



Nagar Yuvak Shikshan Sanstha's
Rajiv Gandhi College of Engineering & Research, Nagpur



Certificate of Participation

This is to certify that Mr. / Ms. Jiwan Dehankar TGPCOE, Nagpur
has participated in STTP on "Discrete Mathematics & Graph Theory using Python
Programming & SAGEMath" jointly organised by Department of Information Technology &
Department of Applied Mathematics & Humanities during 24th-26th April 2019.

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Shobha
Dr. P.D. Shobha
Coordinator

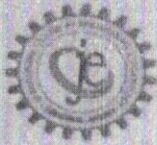
Department of Applied Mathematics &
Humanities

M. M. Goswami
Dr. M. M. Goswami
Coordinator

H.O.D. (Information Technology)

Manali M. Kshirsagar
Dr. Manali M. Kshirsagar
Principal
RGCE

Principal
Tulsiramji Gaikwad-Patil College of
Engineering & Technology,
Nagpur



JAGADAMBHA BAHUUDDESHIYA GRAMIN VIKAS SANETH'S
JAGADAMBHA
COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL
Approved by AICTE, Recognised by DTE & Affiliated to S.G.B. Amravati University, Amravati



AICTE-ISTE, New Delhi Approved

Short Term Training Programme

(APPROVAL No.: ISTE/Proceedings/STTP-SF/MAH-030/2019-20 Dated May 08, 2019)
(One week Interdisciplinary)

CERTIFICATE

This is to certify that

Dr./Prof./Mr./Ms. Jiwan Dehankar

of

Tulsiram Gaikwad Patil College of Engineering & Technology, Nagpur.

Attended one week Short Term Training Programme on

"Recent Trends in Machine Learning & IOT"

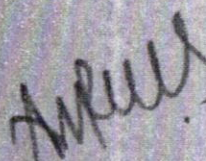
Approved by AICTE-ISTE, New Delhi during 20th May 2019 to 24th May 2019

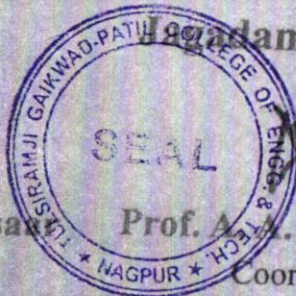
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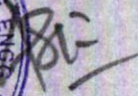
Department of Computer Engineering

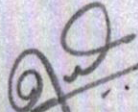
Jagadambha College of Engineering & Technology, Yavatmal

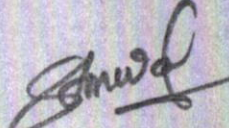
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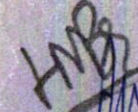

Prof. A. Rukhsana
Coordinator




Prof. A. R. Kolpyakwar
Coordinator


Prof. A. R. Wasukar
Coordinator


Prof. S. A. Murab
HOD, Comp. Engg. Dept.
Organizing Secretary


Dr. H. M. Baradkar
Principal
Tulsiramji Gaikwad-Patil College of
Engineering & Technology,
Nagpur



Certificate

This is to certify that Mr./Ms. Jiwan N. Dehankar

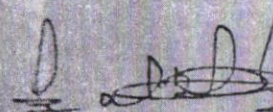
has successfully completed AICTE-ISTE approved Induction/Refresher Programme

“ Recent Trends in Webtechnology - Search Engine Optimization ” held during

9/7/2018 to 14/7/2018 Organized by Guru Nanak Institute of Technology

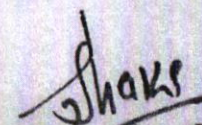
Nagpur, Maharashtra

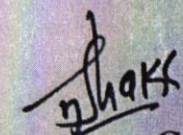
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Advisor, AICTE



Executive Secretary, ISTE


Principal


Program Coordinator
Principal

Tulsiramji Garkwad-Patil College of

Engineering & Technology,
Nagpur



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College of Engineering & Technology, Nagpur

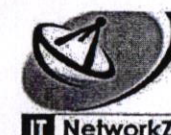
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Department of Computer Science & Engineering

organizes

**Three Days Workshop on
"Machine Learning Using Python"**

In Association With

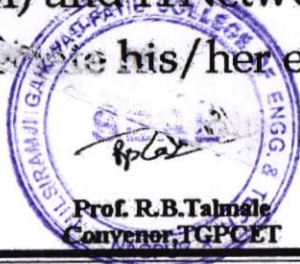


7th-9th June 2018

Certificate

This is to certify that Mr./Ms. Rajesh Babu
has participated in "Three Days Workshop on Machine Learning Using Python"
held on 7th-9th June 2018 at TGPCET Nagpur organized by Department of
Computer Science and Engineering in Association with Computer Society of
India (CSI) and IT NetworkZ Nagpur.

We appreciate his/her enthusiasm and wish him/her all the best for future.



Prof. R.B. Talmele
Convener, TGPCET

G.K. Awari

Dr. G.K. Awari
Principal, TGPCET

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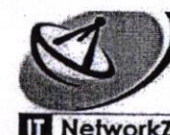
Department of Computer Science & Engineering

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7th-9th June 2018

In Association With



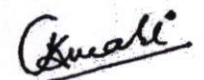
Certificate

This is to certify that ~~Mr.~~/Ms. Neha Moghe
has participated in "Three Days Workshop on Machine Learning Using Python"
held on 7th-9th June 2018 at TGPCET Nagpur organized by Department of
Computer Science and Engineering in Association with Computer Society of
India (CSI) and ITNetworkz Nagpur.

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Prof. R.B. Talmale
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Dr. G.K. Awari
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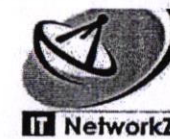
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7th-9th June 2018



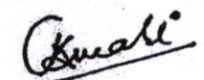
Certificate

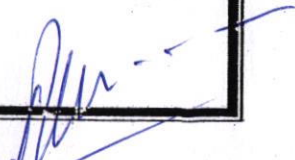
This is to certify that Mr./Ms. Jiwan Dehankar
has participated in "Three Days Workshop on Machine Learning Using Python"
held on 7th-9th June 2018 at TGPCET Nagpur organized by Department of
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Dr. G.K. Awari
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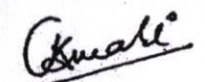
7th-9th June 2018

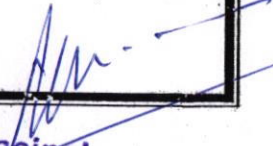
Certificate

This is to certify that Mr./Ms. Vijay Badi
has participated in "Three Days Workshop on Machine Learning Using Python"
held on 7th-9th June 2018 at TGPCET Nagpur organized by Department of
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We appreciate his/her enthusiasm and wish him/her all the best for future.


Prof. R.B. Talmale
Convenor, TGPCET


Dr. G.K. Awari
Principal, TGPCET


Principal
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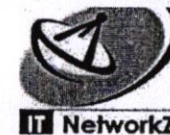
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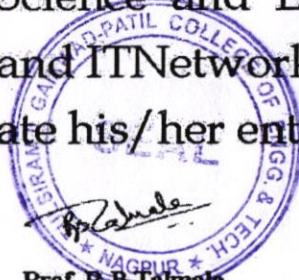


7th-9th June 2018

Certificate

This is to certify that Mr./Ms. Gulrukh Nazneen
has participated in "Three Days Workshop on Machine Learning Using Python"
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Computer Science and Engineering in Association with Computer Society of
India (CSI) and ITNetworkz Nagpur.

We appreciate his/her enthusiasm and wish him/her all the best for future.



Prof. R.B. Patil
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G.K. Awari

Dr. G.K. Awari
Principal, TGPCET

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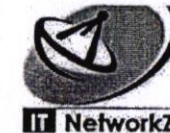
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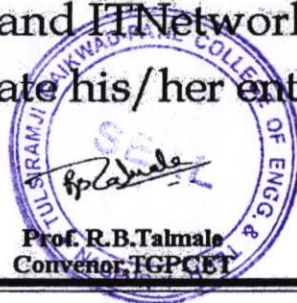


7th-9th June 2018

Certificate

This is to certify that Mr./Ms. Priyanka Bhende
has participated in "Three Days Workshop on Machine Learning Using Python"
held on 7th-9th June 2018 at TGPCET Nagpur organized by Department of
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Prof. R.B. Talmale
Convenor, TGPCET

Awari

Dr. G.K. Awari
Principal, TGPCET

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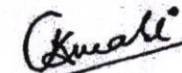
Certificate

This is to certify that Mr./Ms. Jayant Adhikari
has participated in "Three Days Workshop on Machine Learning Using Python"
held on 7th-9th June 2018 at TGPCET Nagpur organized by Department of
Computer Science and Engineering in Association with Computer Society of
India (CSI) and ITNetworkZ Nagpur.

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Prof. R.B. Talmale
Convenor, TGPCET



Dr. G.K. Awari
Principal, TGPCET

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Tulsi Ramji Gaikwad-Patil College of
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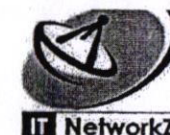
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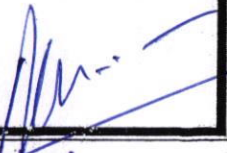
Certificate

This is to certify that Mr./Ms. Saiswapna Shisukonda
has participated in "Three Days Workshop on Machine Learning Using Python"
held on 7th-9th June 2018 at TGPCET Nagpur organized by Department of
Computer Science and Engineering in Association with Computer Society of
India (CSI) and IT NetworkZ Nagpur.

We appreciate his/her enthusiasm and wish him/her all the best for future.


Prof. R.B. Talpale
Convenor, TGPCET


Dr. G.K. Awari
Principal, TGPCET


Principal
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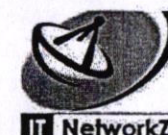
Department of Computer Science & Engineering

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7th-9th June 2018

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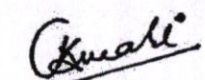


Certificate

This is to certify that Mr./Ms. Gurudev Sawarkar
has participated in "Three Days Workshop on Machine Learning Using Python"
held on 7th-9th June 2018 at TGPCET Nagpur organized by Department of
Computer Science and Engineering in Association with Computer Society of
India (CSI) and ITNetworkz Nagpur.

We appreciate his/her enthusiasm and wish him/her all the best for future.


Prof. R.B. Talmale
Convenor, TGPCET


Dr. G.K. Awari
Principal, TGPCET


Principal
Tulsi Ramji Gaikwad-Patil College of
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Nagpur

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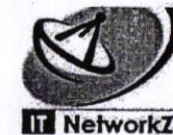
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In Association With



7th-9th June 2018

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This is to certify that Mr./Ms. T. P. Raju
has participated in "Three Days Workshop on Machine Learning Using Python"
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Computer Science and Engineering in Association with Computer Society of
India (CSI) and ITNetworkZ Nagpur.

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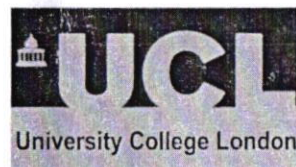
Prof. R.B. Takale
Convenor, TGPCET

Gawali

Dr. G.K. Awari
Principal, TGPCET

Principal
Tulsiramji Gaikwad-Patil College of
Engineering & Technology,
Nagpur

Sr.No. PNP116001



WORKSHOP ON ARTIFICIAL INTELLIGENCE AND DEEP LEARNING

CERTIFICATE OF PARTICIPATION

This is to certify that Abhimanyu Dutonde

has participated in
a hands on Workshop on Artificial Intelligence and Deep Learning
held at G H Raison College of Engineering, Nagpur from September 8, 2018 to September 10, 2018

Conducted by leadingIndia.ai, a nation wide initiative by Bennett University,
Greater Noida, India



VideoKEN

IEEE
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society

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Brunel
University
London

Deepak Garg

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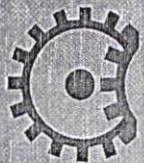
Dr. Deepak Garg

Director leadingIndia.ai

Professor and Head, Computer Science Engineering,
Bennett University, Greater Noida

Principal

Tulsi Ramji Gaikwad Patil College of
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Certificate of Participation

TWO DAYS WORKSHOP ON MACHINE LEARNING & NETWORKING

This is to certify that Mr. Anup Gade
has Participated in Two Days workshop on Machine learning & Networking
organized by Department of Information Technology, TGPCET, Nagpur
from 12/03/2019 to 13/03/2019. His/Her participation in program is
appreciated.

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Prof. Sandeep Gaikwad
Principal, TGPCET

Dr. Prabha Nair

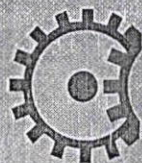
Vice Principal (Academics)

Prof. Anup Gade
HoD, IT

Principal

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Certificate of Participation

TWO DAYS WORKSHOP ON

MACHINE LEARNING & NETWORKING

This is to certify that Mr. Sarvesh Warjurkar
has Participated in Two Days workshop on Machine learning & Networking
organized by Department of Information Technology, TGPCET, Nagpur
from 12/03/2019 to 13/03/2019. His/Her participation in program is
appreciated.

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Prof. Sandeep Gaikwad
Principal, TGPCET

Dr. Prabha Nair

Vice Principal (Academics)

Prof. Anup Gade
HoD, IT

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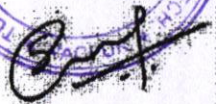
Department of
Information Technology



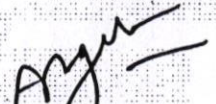
Certificate of Participation **TWO DAYS WORKSHOP ON MACHINE LEARNING & NETWORKING**

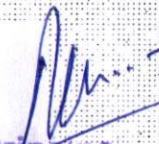
This is to certify that Ms. Rashmi Bhat
has Participated in Two Days workshop on Machine learning & Networking
organized by Department of Information Technology, TGPCET, Nagpur
from 12/03/2019 to 13/03/2019. His/Her participation in program is
appreciated.

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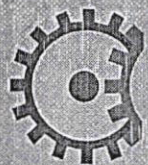

Prof. Sandeep Gaikwad
Principal, TGPCET


Dr. Prabha Nair
Vice Principal (Academics)


Prof. Anup Gade
HoD, IT


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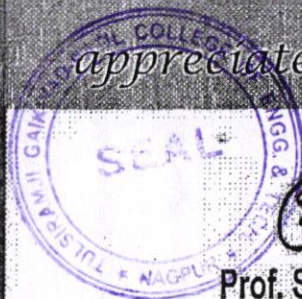
TWO DAYS WORKSHOP

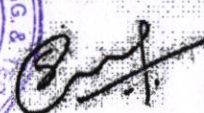
ON

MACHINE LEARNING & NETWORKING

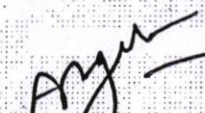
This is to certify that Mr. Abbay Rewalkar
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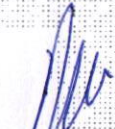
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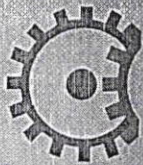

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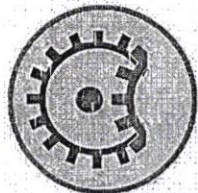
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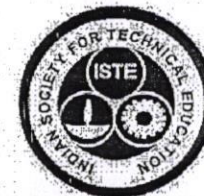
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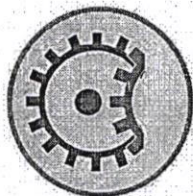


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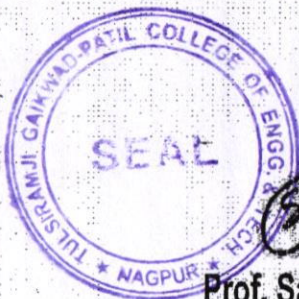
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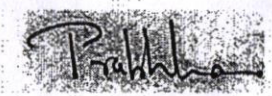
This is to certify that Mr./Ms. Jayant Rohankar

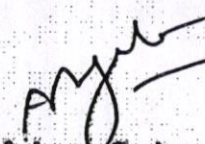
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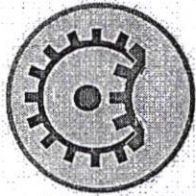

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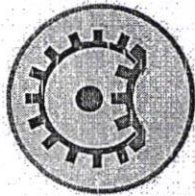
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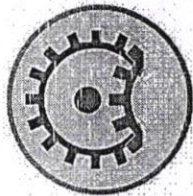
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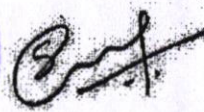
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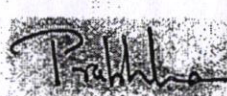
This is to certify that Mr./Ms. Abhay Rewatkar

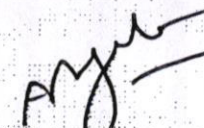
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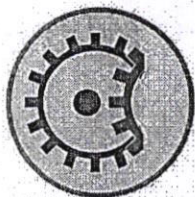

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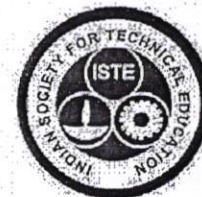

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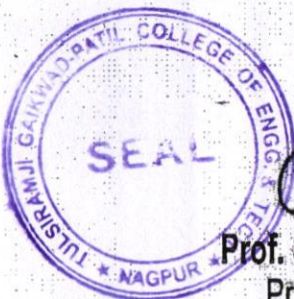
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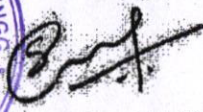
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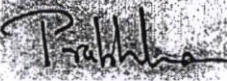
This is to certify that Mr./Ms. Punam Dandare

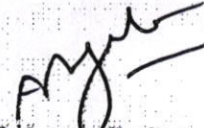
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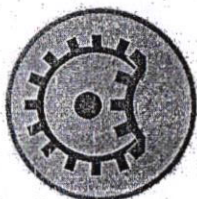

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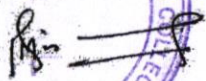
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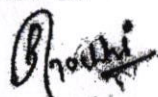
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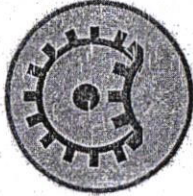

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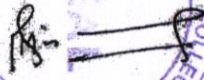
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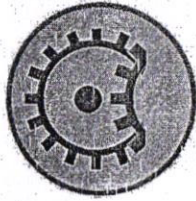
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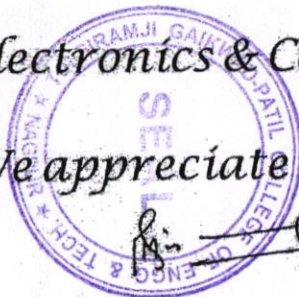
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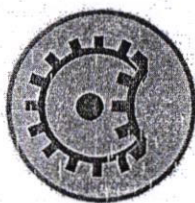
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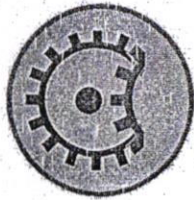
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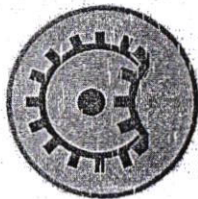
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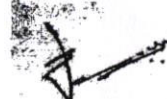
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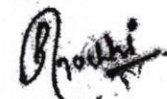
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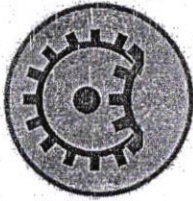


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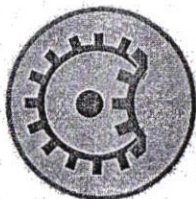
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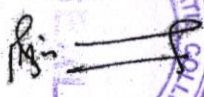
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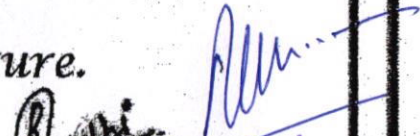
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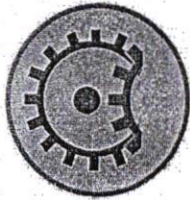

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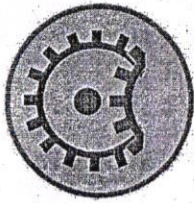
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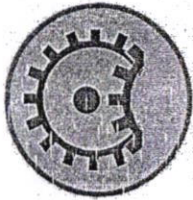
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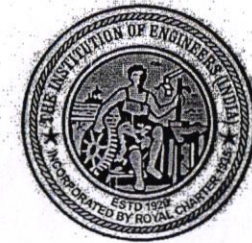
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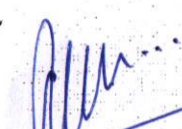
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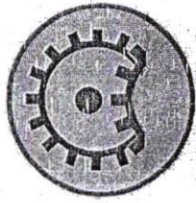



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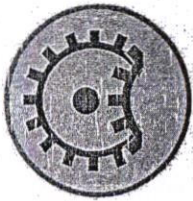


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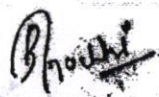


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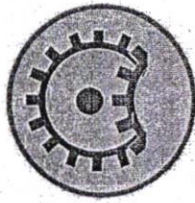



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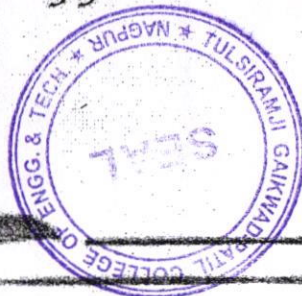
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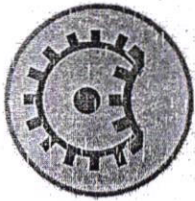
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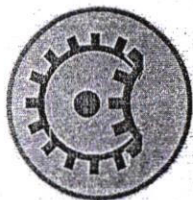
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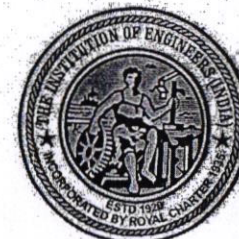
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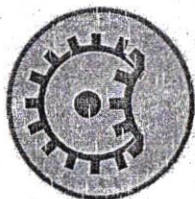
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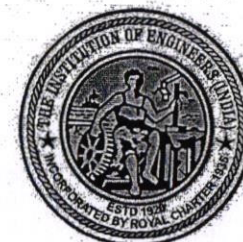
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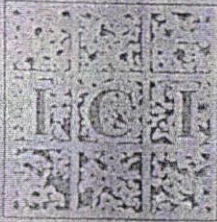
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Karnataka Bengaluru Centre

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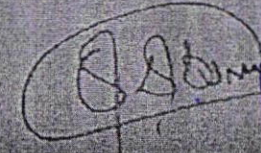
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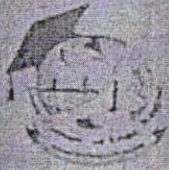
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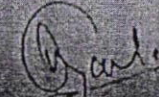
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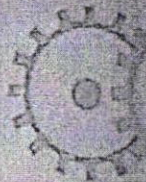

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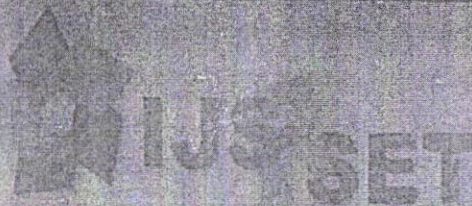
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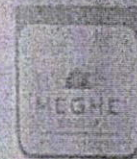
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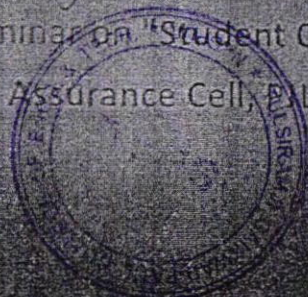
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12

Study and Analysis of Cable Stayed Bridges Using STAAD Pro

Nayan K. Janbandhu¹, Sandeep Gaikwad²

¹M-Tech Research Scholar (Structural Engineering), Department of Civil Engineering, Tulstramji Gaikwad Patil College of Engineering and Technology, Mohgaon, Nagpur

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Abstract—Long span Bridges are constructed to cross obstacles. Bridges are structures which are built to provide a passage over lake, river, valley, road or any other obstruction. During the past twenty years cable stayed bridge has occurred as the most structurally dominant system for the long spans. Long span bridge could be achieved with use of high strength materials and innovative techniques. Live load acting on the bridge is transferred to the bridge deck, which in turn both the dead load of the superstructure (self-weight of the bridge deck) and live load of the bridge is balanced by tension cables which is anchored to the tower. The tower of the bridge carries the total working load. Innovative efforts has been taken to reduce the depth of girders of large span bridges resulting in the development of cable stayed bridge decks in which the deck system is suspended by steel cables. The objective of this is to study and analysis in detail the cable stayed bridge which has continuously evolving as an efficient structure.

Keywords—Bridges, Cable Stayed Bridges, Structures, STAAD Pro

I. Introduction

In the recent years cable stayed bridges have received more attention than any other bridge mainly in the United States, Japan and Europe as well as in third-world countries due to their ability to cover large spans. Cable-stayed can cross almost 1000m (Tatara Bridge, Japan; Norman die Bridge, France). In India few of the cable stayed bridges are constructed and a couple of them are underway. Like Bandra-Worli sea link, Second Hoogly Bridge are the finest example of application of cable stayed bridge in India. Cable stayed bridges for road over bridge in Bangalore and Chennai have come up and a cable stayed road over bridge is proposed in various smaller emerging cities. There is still place for innovation in Cable-stayed bridge techniques. The achievement of man has been attributed to how large, long and tall he can create the structures around him. From the very beginning of the human race he has been trying to prove that he can create some very astonishing and amazing structures around him, like Pyramids of Egypt. After end of World War II there was shortage of construction materials like steel and cement thereby need to obtain optimum structural performance from these materials became necessary. New systems and technologies were evolved to meet these requirements.

Cable stayed bridges are constructed along a structural system which comprises of a deck and continuous girders which are supported by stays in the form of cables attached to tower located at the main piers. Stiffness of the overall structure can be provided by stiff towers or can be stiffened by taking backstays to individual or by employing intermediate tension piers or combination of the stiffness of the main span, the tower and the back span, credited to several advantages over suspension bridges, predominantly being associated with the relaxed foundation requirements, with the introduction of high strength materials, development of welding technology and progress in structural analysis and new construction technique which is very much in vogue [10]. The development and application of computers opened up new and practically unlimited possibilities for the exact solution of these highly statically indeterminate systems and for precise static analysis of their three-dimensional performance. This leads to economic benefits which can favors cable-stayed bridges in free spans of up to 1000m. In the twentieth century the development and research has take place enormously in the field of the bridge engineering to fulfill the need of the very long span bridges. With development of new materials and techniques for analysis of very long span cable supported structures came in to practice. For very long span bridges the high strength steel cable are used as a structural load resisting elements. Some importance of cable supported bridges is illustrated here [6].

II. Types Of Bridges

2.1. SUSPENSION BRIDGES

Decks of suspension bridges is hanged by vertical hangers which are connected to main suspension outer nary cables. The main cable is continuous, over saddles at the pylons or towers, from anchorage to anchorage. In a suspension bridge, a procedure to find the initial configuration under dead load is relatively simple as the main extremities are fixed at earth constraints.

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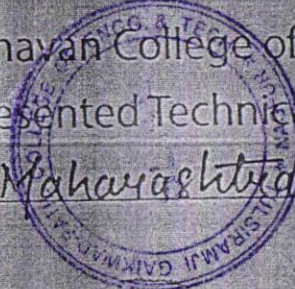


इषान्दान 2019

Certificate Of Participation

This is to Certify Mr./Ms. Rucha Bhagat
From Dept of Civil Engineering has participated in the True Copy Attested
National Conference on Advances in Engineering, Technology and Applied Sciences
Organized by Department of Information Technology held during 25th & 26th March 2019
at Yeshwantrao Chavan College of Engineering, Nagpur.

He/She has presented Technical paper titled A Study On Major Irrigation
Projects in Maharashtra



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In-charge Head

Prof. R. C. Dharmik
Program Chair

Dr. M. M. Raghuwanshi
Organizing Secretary

Prof. R. A. Fadnavis
Organizing Secretary

Prof. S. S. Gugulothu
Organizing Secretary

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Nagpur Road, Near Village Lonara, Tah. Bhadrawati, Dist. Chardapur (M.S.) - 442 902

National Conference on Emerging Trends in Engineering, Science & Technology, 2019



(NC-EEST)
22nd & 23rd Feb 2019



Certificate

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This is to certify that Dr./Prof./Mr./Mrs. Shreyas R. Shende
from Renaissance Polytechnic, Chardapur has Attended/Presented Paper at the National Conference
on "Emerging Trends in Engineering, Science & Technology, 2019" organised by Shri Sai College of Engineering &
Technology, Bhadrawati held on 22nd & 23rd Feb. 2019.



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Tulsiramji Gaikwad Patil College of Engineering & Technology, Nagpur

Prof. V. H. Sadran

Dr. Vinod S. Gorantliwar

Dr. J. E. Agrawal

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49, Kherwadi, Bandra (East), Mumbai - 400 051.

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Date: 02/02/2019

This is to certify that Shri / Smt. Mr. Shreyas Rajiv Shende

designation Lecturer, Institute N. M. Puglia Trust's Renaissance Polytechnic, Datala - 1666

has successfully completed the training in Power Plant Familiarization

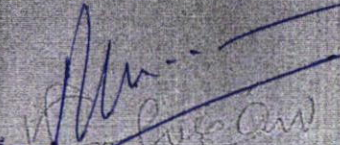
from 29/01/2019 to 02/02/2019 conducted by Adani Electricity Mumbai Ltd.

Adani Dahanu Thermal Power Station, Dahanu

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Program Co-ordinator


Deputy Secretary


Principal
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ICIREST-19

5th International Conference

on

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This is to certify that Prof. / Mr. / Ms. Apeksha D. Naharkar
of Tulsi Ramji Gaikwad Patil C.O.E. and T. Nagpur participated / presented
a paper titled "Investigation of post Tensioned Segmental Bridge by"
in the 5th International Conference IS Code Method.

H/s / Her participation in the Conference is appreciated.

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Dr. Mohan Gaikwad Patil
Chairman, GPO

Prof. Sandeep Gaikwad
Chairman, ICIREST-19

Dr. Prabha S. Nair
Vice-Chairman, ICIREST-19

Prof. Anurag Gaikwad
Convener, ICIREST-19

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Date: 23.03.2019



International Conference
on
**RECENT ADVANCEMENT IN CIVIL ENGINEERING
AND INFRASTRUCTURAL DEVELOPMENTS**

5th-6th July 2019
(IC-RACEID-19)

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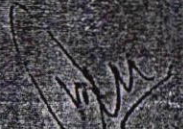
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This is to certify that Priya Bhurse has presented the paper
entitled as Seismic response of rectangular RC building with and
without infill walls considering soil structure interaction at the
International Conference on Recent Advancement in Civil Engineering and Infrastructural
Developments (IC-RACEID-19), held during 5-6 July 2019 at G H Raison College of Engineering,
Nagpur, India.


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Director


Dr. B. V. Khode
General Chair


Dr. P. Y. Pawade
General Chair

National Institute of Construction Management and Research (NICMAR)

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organised

Workshop on 'Job Opportunities & Entrepreneurship in Construction, Real Estate, Infrastructure And Project (CRIP) Sector

Certificate

This is to certify that Mr/Ms/Dr Rucha Bhagat
has participated in workshop on 'Job Opportunities & Entrepreneurship in Construction, Real Estate
Infrastructure And Project (CRIP) sector'.

Venue: Department of Civil Engineering, Yeshwantrao Chavan College of Engineering, Hingna Road,
Wanadongri, Nagpur

Date: 24/09/2018



Dr. S. R. Khandeshwar

Professor and Head, Department of Civil Engineering
YCCE

[Signature]

Dr. Jonardan Koner
Dean – Admissions, Research & Publications
NICMAR

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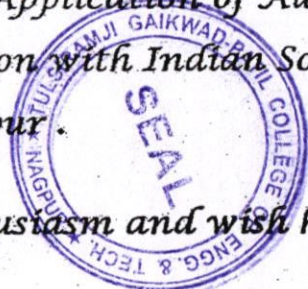
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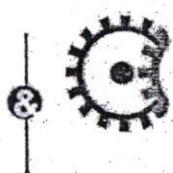
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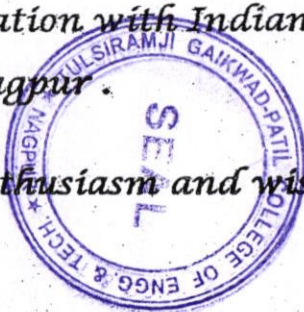
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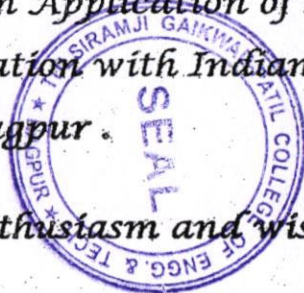
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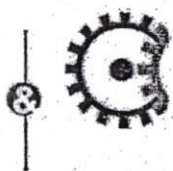
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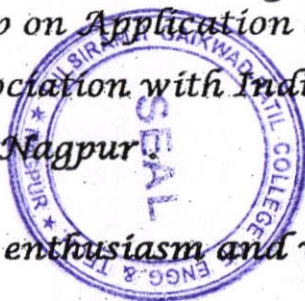
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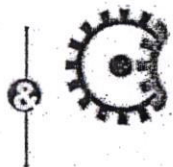
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Mr. Amey Khedikar
HoD Civil

Dr. G. K. Awari
Principal
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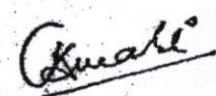
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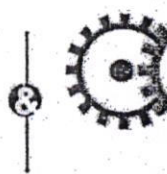

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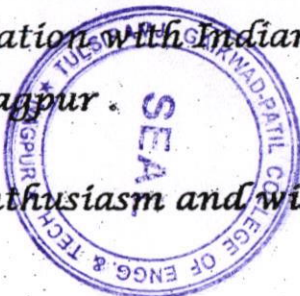
"Application of Auto-CAD In Civil Engineering"

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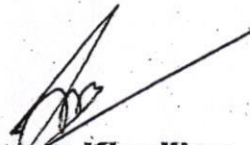
is is to certify that Mr/Ms. Lomesh Chandewar of
T. G. P. C. E. T., Nagpur. has participated
Two days "Workshop on Application of Auto-CAD in Civil Engineering" held on 8th-9th June
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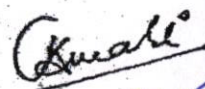
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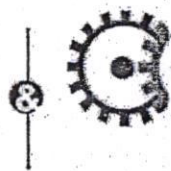

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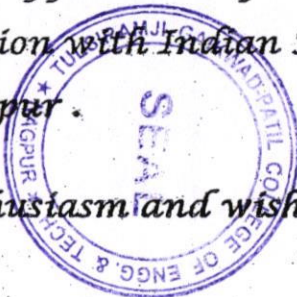
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Mr. Sanjay Bhadke
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Dr. G. K. Awari
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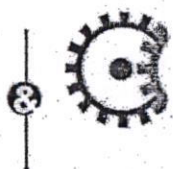
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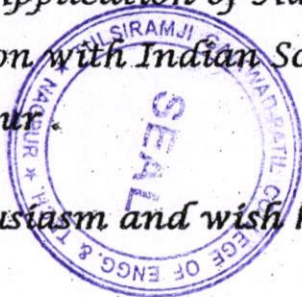
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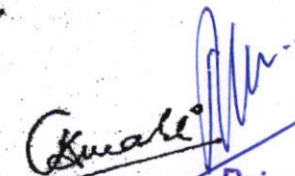
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Convener

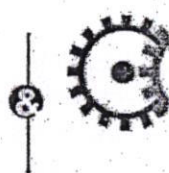
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Mr. Sanjay Bhadke
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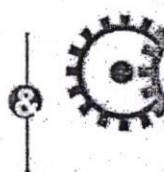
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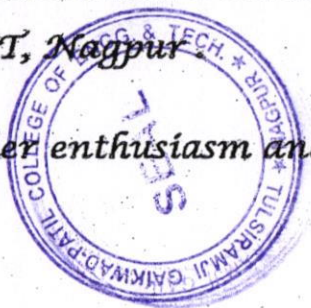
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Mr. Sanjay Bhadke
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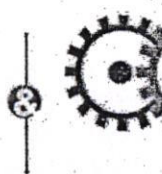
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Mr. Sanjay Bhadke
Convener

Mr. Amey Khedikar
HoD Civil

Dr. G. K. Awari
Principal

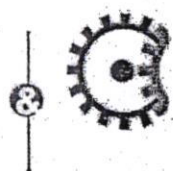
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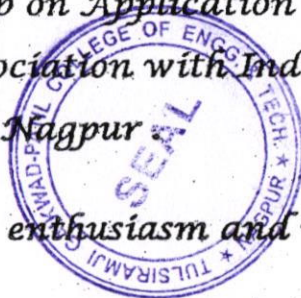
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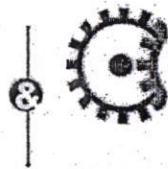
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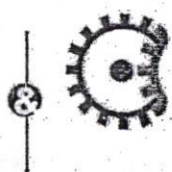
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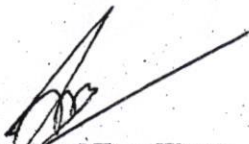
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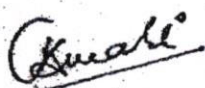
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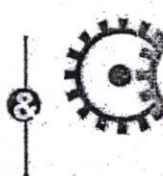

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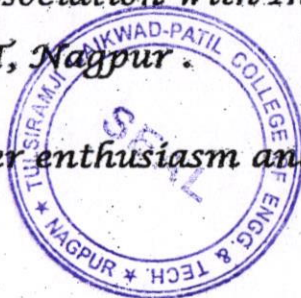
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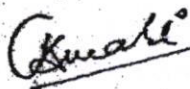
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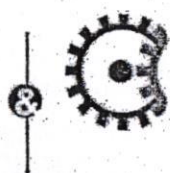
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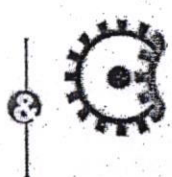
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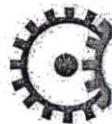
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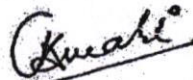
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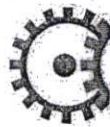

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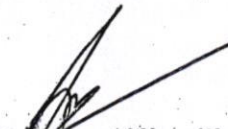
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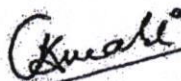
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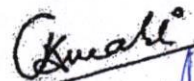
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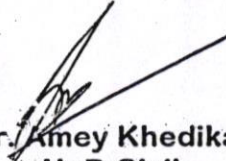
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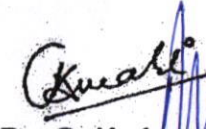
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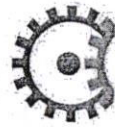

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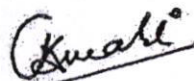
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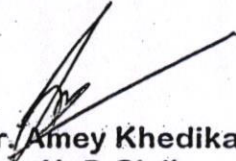
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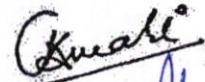
This is to certify that Mr/Ms. Lomesh Chandewar of
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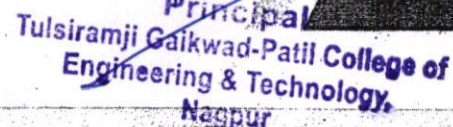
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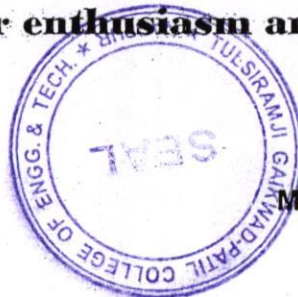
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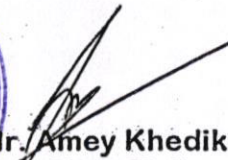
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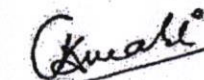
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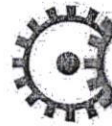
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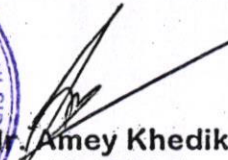
This is to certify that Mr/Ms. Pina Khandale of
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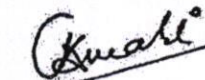
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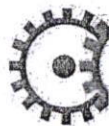

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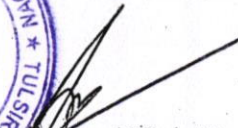
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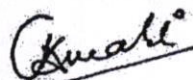
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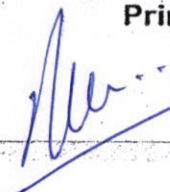

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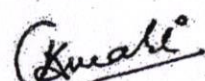
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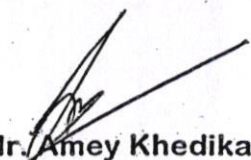
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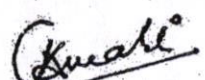
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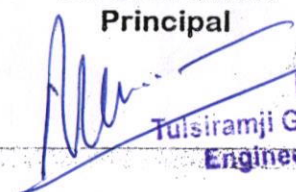
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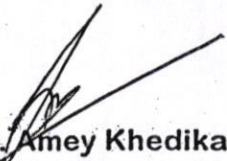
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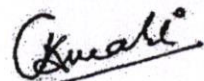
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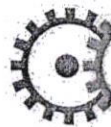
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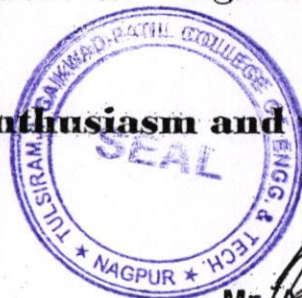
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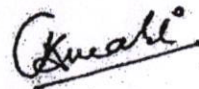
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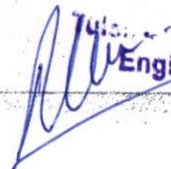
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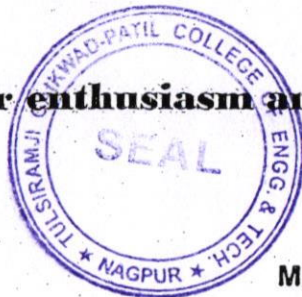
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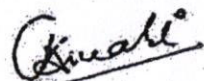
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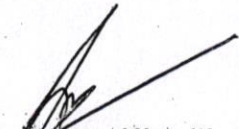
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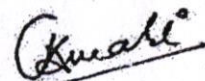
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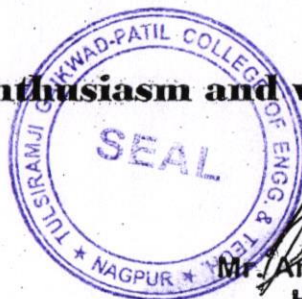
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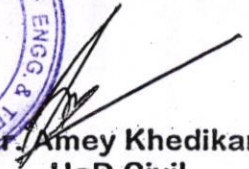
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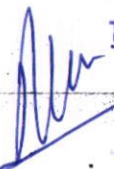
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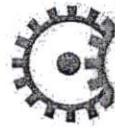

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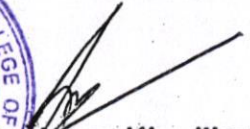
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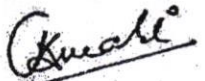
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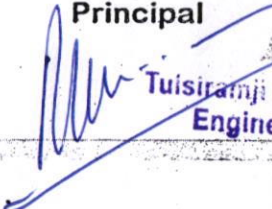
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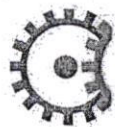

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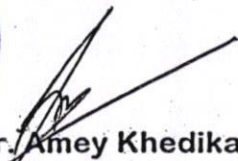
This is to certify that Mr/Ms. Milind Khemgaokar of
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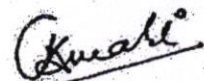
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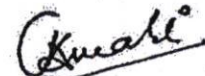
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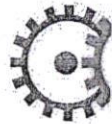

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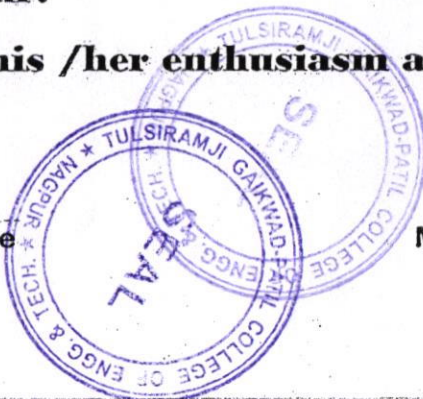
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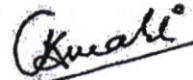
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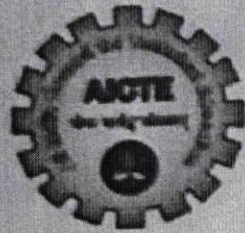



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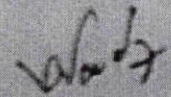
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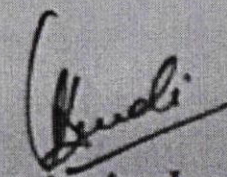
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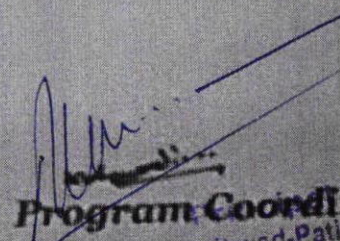
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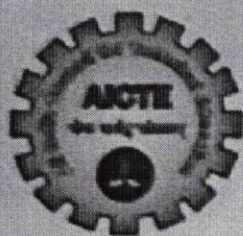
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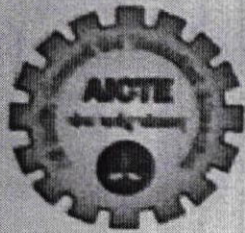
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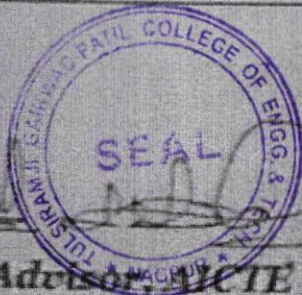
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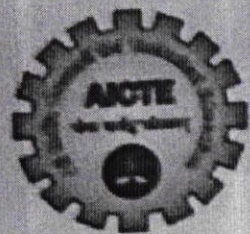
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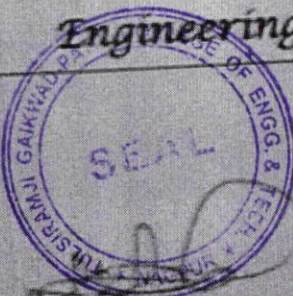
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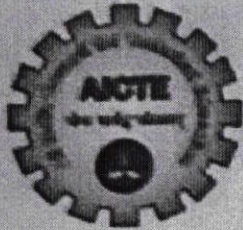
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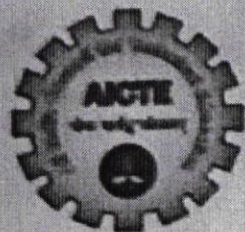
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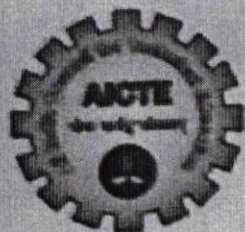


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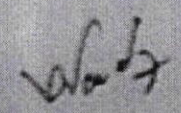
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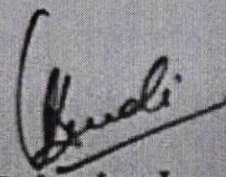
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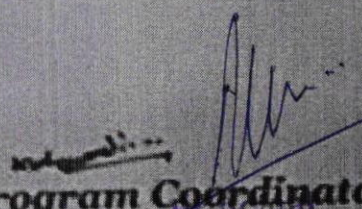
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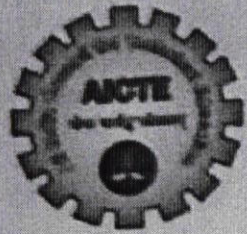

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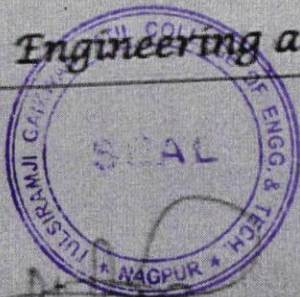
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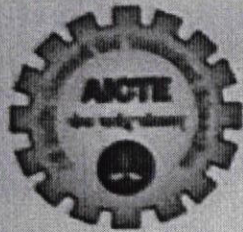
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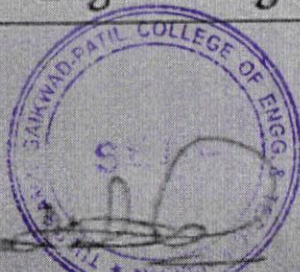
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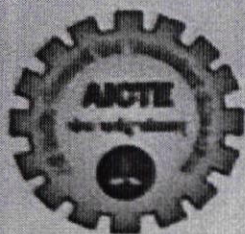
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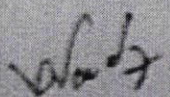
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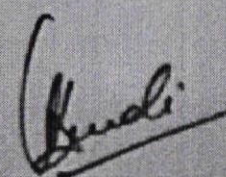
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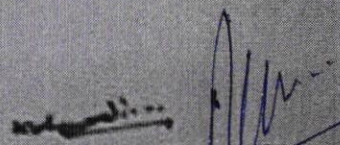
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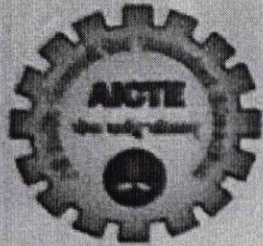

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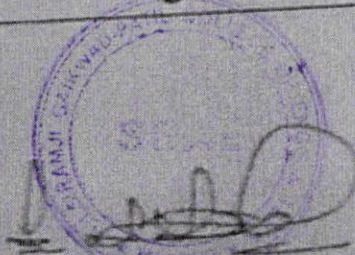
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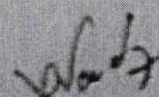
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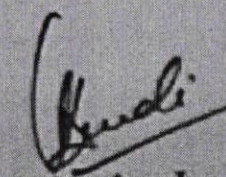
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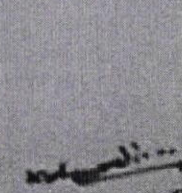
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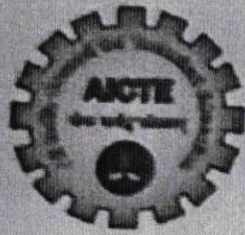
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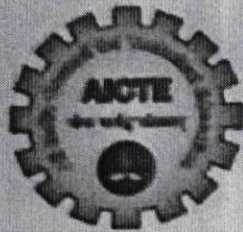
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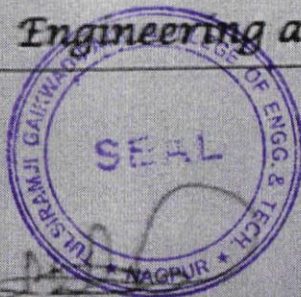
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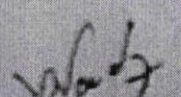
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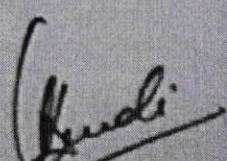
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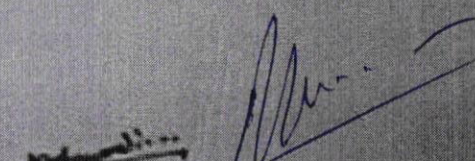
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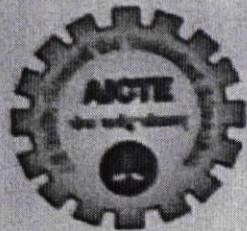



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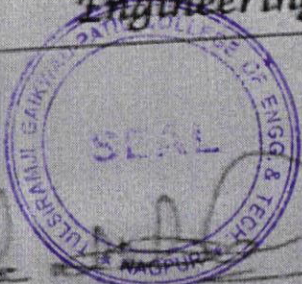
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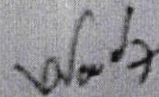
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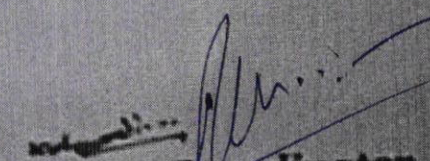
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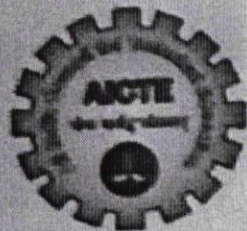
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Department of Mechanical Engineering
Short Term Training Program
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Practical Exposure to FEA and Digital Manufacturing
(22nd to 26th APRIL-2019)

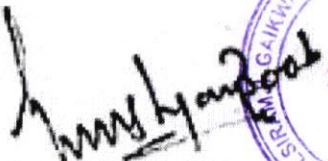
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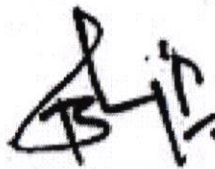
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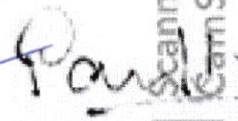

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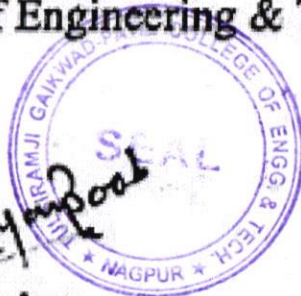
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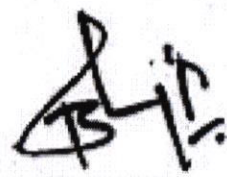


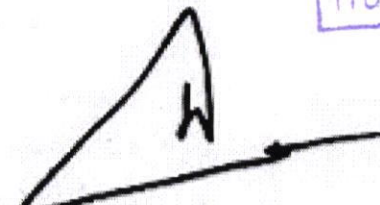
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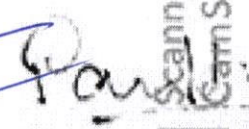



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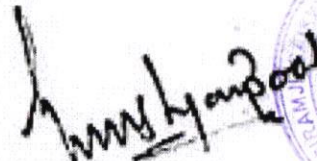
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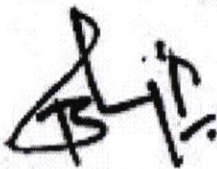
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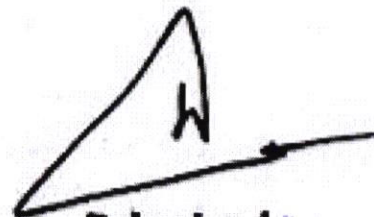
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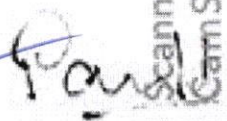

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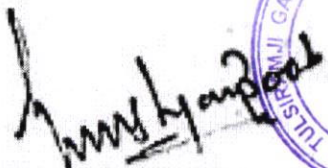
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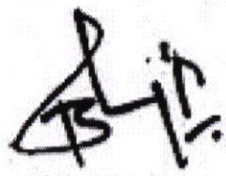
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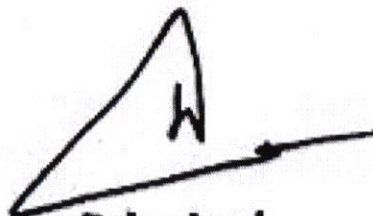
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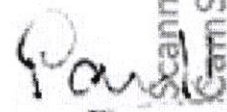

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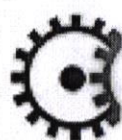

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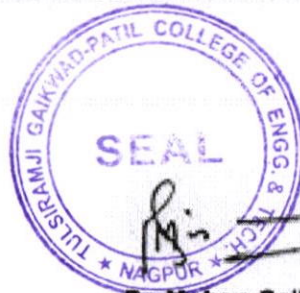
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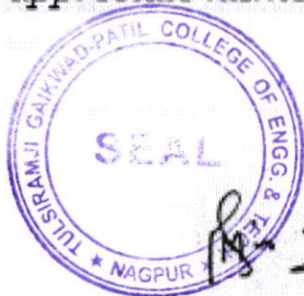
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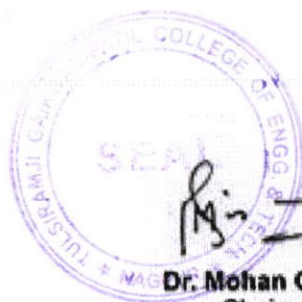
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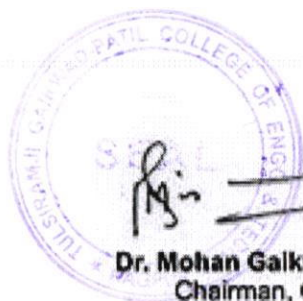
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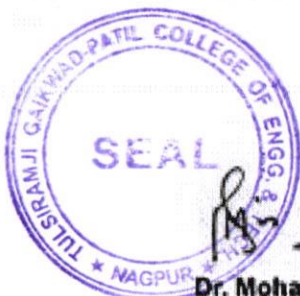
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Dr. G. K. Awari
Principal Convener

[Signature]

Dr. D. P. Mase
Chairman
IE(I) NLC

Principal
Tulsiramji Gaikwad-Patil College of
Engineering & Technology,
Nagpur



Visvesvaraya National Institute of Technology, Nagpur

Certificate of Participation

is awarded to

Mr/Ms/Mrs. Prof. Pratik Ghutke, T.G.P.C.E.T, Nagpur.

for participation in TEQIP III sponsored five days workshop on

“Smart Techniques in Power Systems”

held from 15th March, 2019 to 19th March, 2019

at Department of Electrical Engineering, V.N.I.T, Nagpur.



Prof. N.R. Patne
(Workshop Co-ordinator)

Prof. R.J. Satputaley
(Workshop Co-ordinator)

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Prof. S.S. Thakur
(Workshop Co-ordinator)

Prof. M.A. Chaudhari
(HOD, Electrical Engineering)

Principal

Tulsiramji Gaikwad Patil College of
Engineering & Technology,
Nagpur



Visvesvaraya National Institute of Technology, Nagpur

Certificate of Participation

is awarded to

Mr/Ms/Mrs. Prof. Ganesh Wakte, T.G.P.C.E.T, Nagpur.

for participation in TEQIP III sponsored five days workshop on

“Smart Techniques in Power Systems”

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at Department of Electrical Engineering, V.N.I.T, Nagpur.

Prof. N.R. Patne
(Workshop Co-ordinator)

Prof. R.J. Satputaley
(Workshop Co-ordinator)

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Prof. S.S. Thakur
(Workshop Co-ordinator)

Prof. M.A. Chaudhari
(HOD, Electrical Engineering)

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Nagpur





Yeshwantrao Chavan College of Engineering, Nagpur
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Department of Electrical Engineering

Organized

ONE WEEK SHORT TERM TRAINING PROGRAM

on

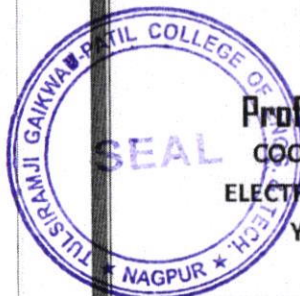
ADVANCES IN POWER ELECTRONICS AND POWER SYSTEM

18th – 23rd February, 2019

CERTIFICATE



This is certify that Mr./Ms./Mrs. Chetan Jambhulkar of
T. G. P. C. E. T., Nagpur. has attended One week Short Term Training Program on
"Advances in Power Electronics and Power System" organized by Department of Electrical Engineering,
Yeshwantrao Chavan College of Engineering Nagpur, in association with The Institution of Engineers (India), Nagpur local centre,
during 18th February – 23rd February 2019.



S.R. Gaigowal
Prof. S. R. Gaigowal
COORDINATOR, STTP
ELECTRICAL DEPARTMENT
YCCE, NAGPUR

P. S. Patil
Prof. P. S. Patil
CO-COORDINATOR, STTP
ELECTRICAL DEPARTMENT
YCCE, NAGPUR

B. Y. Bagde
Dr. B. Y. Bagde
CONVENOR, STTP & HoD
ELECTRICAL DEPARTMENT
YCCE, NAGPUR

U. P. Waghe
Dr. U. P. Waghe
PRINCIPAL
YCCE,
NAGPUR

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Nagpur



Yeshwantrao Chavan College of Engineering, Nagpur
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Department of Electrical Engineering

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ONE WEEK SHORT TERM TRAINING PROGRAM

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This is certify that Mr./Ms./Mrs. Vaishali Malekar of
T. G. P. C. E. T, Nagpur. has attended One week Short Term Training Program on
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Yeshwantrao Chavan College of Engineering Nagpur, in association with The Institution of Engineers (India), Nagpur local centre,
during 18th February – 23rd February 2019.

Signed

Prof. S. R. Gaigowal
COORDINATOR, STTP
ELECTRICAL DEPARTMENT
YCCE, NAGPUR

Signed

Prof. P. S. Patil
CO-COORDINATOR, STTP
ELECTRICAL DEPARTMENT
YCCE, NAGPUR

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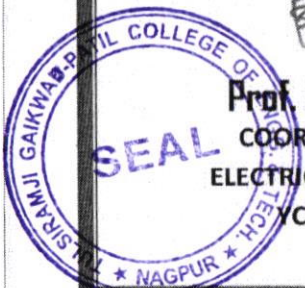
Dr. B. Y. Bagde
CONVENOR, STTP & HoD
ELECTRICAL DEPARTMENT
YCCE, NAGPUR

Signed

Dr. U. P. Waghe
PRINCIPAL
YCCE,
NAGPUR

Signed

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Engineering & Technology,
Nagpur**





Yeshwantrao Chavan College of Engineering, Nagpur
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Department of Electrical Engineering

Organized

ONE WEEK SHORT TERM TRAINING PROGRAM

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ADVANCES IN POWER ELECTRONICS AND POWER SYSTEM

18th – 23rd February, 2019

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This is certify that Mr./Ms./Mrs. Nikita Malwar of
T. G. P. C. E. T, Nagpur. has attended One week Short Term Training Program on
"Advances in Power Electronics and Power System" organized by Department of Electrical Engineering,
Yeshwantrao Chavan College of Engineering Nagpur, in association with The Institution of Engineers (India), Nagpur local centre,
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S.R. Gaigawal

Prof. S. R. Gaigawal
COORDINATOR, STTP
ELECTRICAL DEPARTMENT
YCCE, NAGPUR

P. S. Patil

Prof. P. S. Patil
CO-COORDINATOR, STTP
ELECTRICAL DEPARTMENT
YCCE, NAGPUR

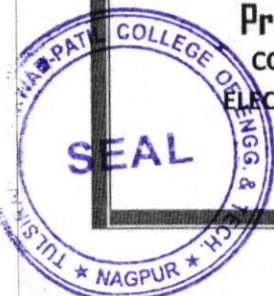
True Copy Attested

B. Y. Bagde

Dr. B. Y. Bagde
CONVENOR, STTP & HoD
ELECTRICAL DEPARTMENT
YCCE, NAGPUR

U. P. Waghe

Dr. U. P. Waghe
PRINCIPAL
YCCE,
NAGPUR



**Tulsiramji Gaikwad-Patil College of
Engineering & Technology,
Nagpur**



TSSM's

Bhivarabai Sawant College of Engineering and Research,

Narhe, Pune

(JSPM Group of Institutes)

In association with

Savitribai Phule Pune University



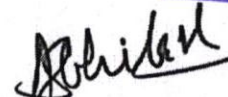
Certificate

This is to Certify that Mr. / Ms. Chetan Ashokrao Jambhulkar
has successfully completed 2 days state level workshop on "**Recent Challenges in Electric and Hybrid Vehicles**" conducted by the Department of Electrical Engineering, TSSM's BSCOER, Narhe, Pune, on 3rd - 4th January 2019 in association with Savitribai Phule Pune University.




Prof. S. S. Kunte
Coordinator

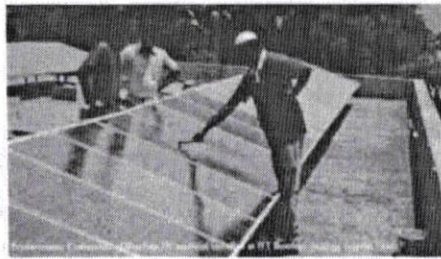
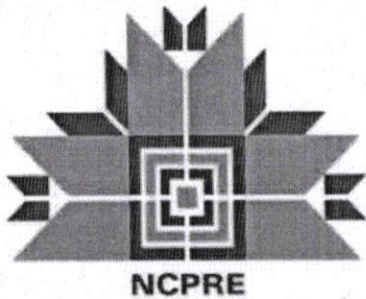

Prof. A. P. Kinge
Co-convenor
HOD, Electrical


Mr. Abhilash Savidhan
Tata Motors, Pune

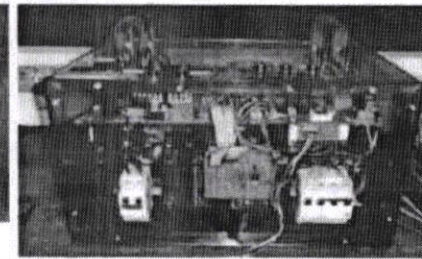

Dr. G. A. Hinge
Convenor
Principal, BSCOER

True Copy Attested


Principal
Tulsiramji Gaikwad Patil College of
Engineering & Technology,
Nagpur



NCPRE



Photovoltaic Users and Mentorship Programme (PUMP)

NCPRE Familiarization Workshop on Photovoltaics *Certificate of Participation*

This is to certify that Mr. Radharaman Shaha from Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur has participated in the NCPRE Familiarization Workshop on Photovoltaics, held at IIT Bombay, Mumbai

on Dec 1, 2018.



Prof. Suryanarayana Doolla
Principal Investigator, PUMP

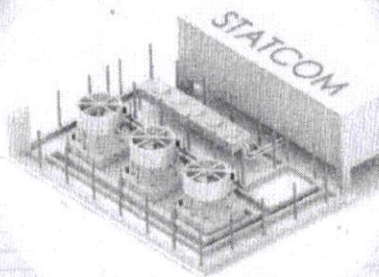
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Engineering & Technology,
Nagpur



G H Raisoni College of Engineering, Nagpur

An Autonomous Institute affiliated to RTM Nagpur University, Nagpur
Dual Accreditation NAAC "A+" Grade & NBA (Tier-I)



CERTIFICATE

Faculty Development Programme

Under Margdarshan Scheme of AICTE

This certificate is awarded to

Prof Radharaman Shaha, T.G.P.C.E.T, Nagpur.

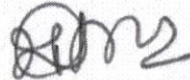
for successfully completing the six days course on

"Practical Aspects of FACTS Devices in Current Scenario"

from 22 October 2018 to 27 October 2018




Dr. Preeti Bajaj
Director


Dr. Prema M. Daigavane
Head of Department
Department of Electrical Engineering

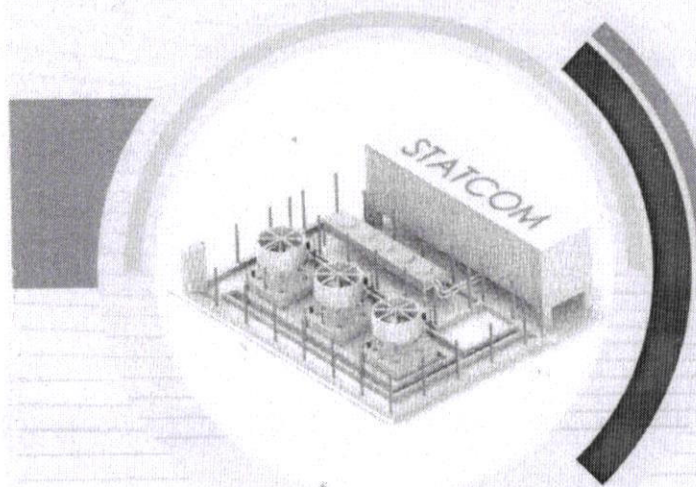

Dr. Sunil P. Nangrani
Co-Ordinator
Department of Electrical Engineering

True Copy Attested



G H Raisoni College of Engineering, Nagpur

An Autonomous Institute affiliated to RTM Nagpur University, Nagpur
Dual Accreditation NAAC "A+" Grade & NBA (Tier-I)



CERTIFICATE

Faculty Development Programme

Under Margdarshan Scheme of AICTE

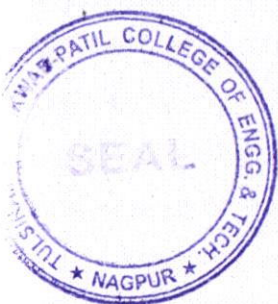
This certificate is awarded to

Prof. Ashwini Admane, T. G. P. C. E. T., Nagpur.

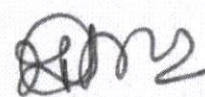
for successfully completing the six days course on

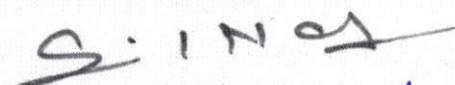
"Practical Aspects of FACTS Devices in Current Scenario"

from 22 October 2018 to 27 October 2018




Dr. Preeti Bajaj
Director


Dr. Prema M. Daigavane
Head of Department
Department of Electrical Engineering


Dr. Sunil P. Nangrani
Co-Ordinator
Department of Electrical Engineering

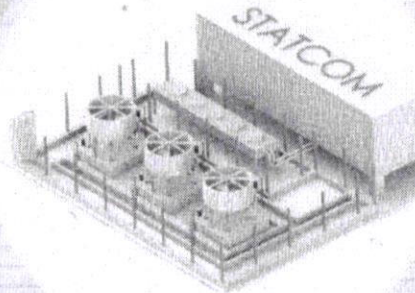
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Principal
Tulsiramji Oakwad Patil College of
Engineering & Technology,
Nagpur



G H Raisoni College of Engineering, Nagpur

An Autonomous Institute affiliated to RTM Nagpur University, Nagpur
Dual Accreditation NAAC "A+" Grade & NBA (Tier-I)



CERTIFICATE

Faculty Development Programme Under Margdarshan Scheme of AICTE

This certificate is awarded to

Prof. Roshani Jethani, T. G. P. C. E. T., Nagpur.

for successfully completing the six days course on

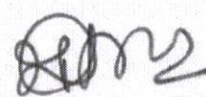
"Practical Aspects of FACTS Devices in Current Scenario"

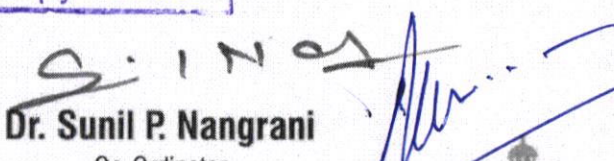
from 22 October 2018 to 27 October 2018

True Copy Attested



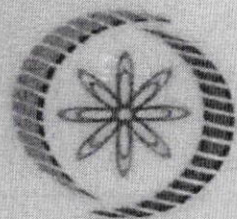

Dr. Preeti Bajaj
Director


Dr. Prema M. Daigavane
Head of Department
Department of Electrical Engineering


Dr. Sunil P. Nangrani
Co-Ordinator
Department of Electrical Engineering

Principal
Tulsiramji Gokwad-Patil College of
Engineering & Technology,

RAISONI



NPTEL-AICTE Faculty Development Programme

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

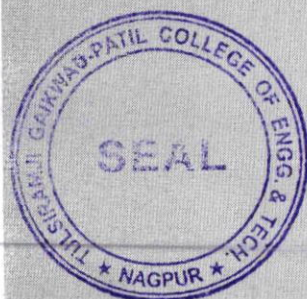


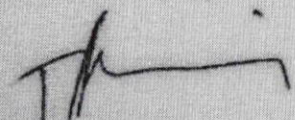
This certificate is awarded to

PRATIK CHOKHOBA GHUTKE

for successfully completing the course

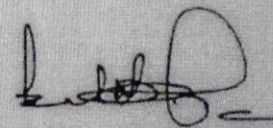
**Advanced Linear Continuous Control Systems:
Applications with MATLAB Programming and Simulink**
with a consolidated score of **53 %**




Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

True Copy Atteste

(Aug-Oct 2018)

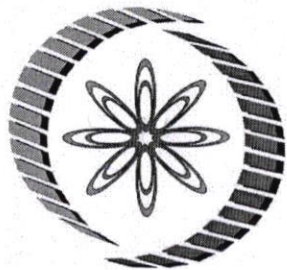

Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL18EE25S11710199

Principal
Tulsi Ram Gargad-Patil College of
Engineering & Technology

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



NPTEL Online Certification

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



This certificate is awarded to

RADHARAMAN SHAHA

for successfully completing the course

Design of Photovoltaic Systems

with a consolidated score of **59 %**



Online Assignments	25.00/25	Proctored Exam	33.75/75
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Prof. G. L. Sivakumar Babu
Chairman, Center for Continuing Education
IISc Bangalore

Total number of candidates certified in this course: **935**

True Copy Attest

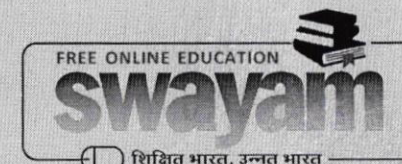
Jul-Oct 2018
(12 week course)

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore

Principal
Tulsiramji Gaikwad-Patil College of
Engineering & Technology,
Nagpur



Roll No: NPTEL18EE35S11710183

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

Department of Electrical Engineering
Organized
FACULTY DEVELOPMENT PROGRAM ON " RECENT
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SYSTEMS"

2nd – 3rd August 2018



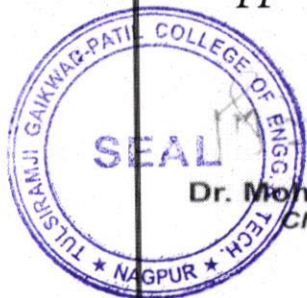
In Association with

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This is to certify that Mr./Ms./Dr. Shraddha Joshi of T.G.T.P.C.E.T has actively participated in the Faculty Development program on "Recent trends in Power Electronics & Power Systems" held on 2nd – 3rd August 2018 at T.G.P.C.E.T., Nagpur organized by department of Electrical Engineering initiated by TGPCET-IE(I) Staff Chapter.

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We appreciate his/her enthusiasm and wish him/her all the best for future.



Dr. Mohan Gaikwad-Patil
Chairman, GPG

Prof. Sandeep Gaikwad
Treasurer, GPGI

Dr. G. K. Awari
Principal, TGPCET
Convener

Prof. Anup Gade
HoD, IT
Co-Convener

Tulsiramji Gaikwad-Patil College of
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Nagpur
HoD, EE
Organizing Secretary

Department of Electrical Engineering
Organized
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2nd – 3rd August 2018



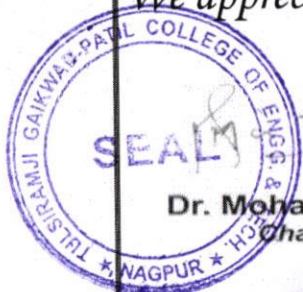
In Association with

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This is to certify that Mr./Ms./Dr. Ganesh Wakte of T.G.T.P.C.E.T has actively participated in the Faculty Development program on "Recent trends in Power Electronics & Power Systems" held on 2nd – 3rd August 2018 at T.G.P.C.E.T., Nagpur organized by department of Electrical Engineering initiated by TGPCET-IE(I) Staff Chapter.

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Chairman, GPG

Prof. Sandeep Gaikwad
Treasurer, GPGI

Dr. G. K. Awari
Principal, TGPCET
Convener

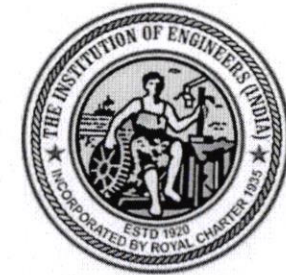
Prof. Anup Gade
HoD, IT
Co-Convener

Tulsiramji Gaikwad-Patil College of
Engineering & Technology,
Nagpur

HoD, EE
Organizing Secretary

Department of Electrical Engineering
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SYSTEMS"

2nd – 3rd August 2018



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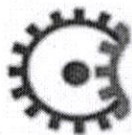
[Signature]
Dr. Mohan Gaikwad-Patil
Chairman, GPG

[Signature]
Prof. Sandeep Gaikwad
Treasurer, GPGI

[Signature]
Dr. G. K. Awari
Principal, TGPCET
Convener

[Signature]
Prof. Anup Gade
HoD, IT
Co-Convener

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Principal
Tulsiramji Gaikwad-Patil College of
Engineering & Technology,
Nagpur
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Organizing Secretary



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TULSIRAMJI GAIKWAD-PATIL

College of Engineering & Technology, Nagpur

NH-7, Mohgaon, Wardha Road, Nagpur - 441 108

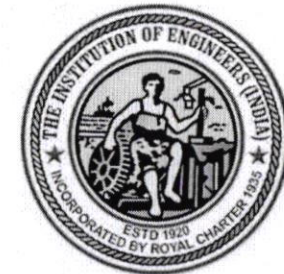
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GAIKWAD-PATIL
GROUP OF INSTITUTIONS

Department of Electrical Engineering
Organized
FACULTY DEVELOPMENT PROGRAM ON " RECENT
TRENDS IN POWER ELECTRONICS & POWER
SYSTEMS"

2nd – 3rd August 2018



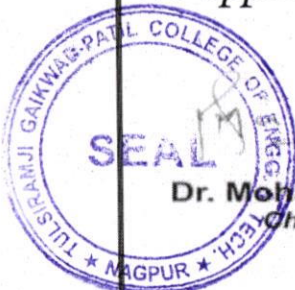
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This is to certify that Mr./Ms./Dr. Radharaman Shaha of T.G.T.P.C.E.T has actively participated in the Faculty Development program on "Recent trends in Power Electronics & Power Systems" held on 2nd – 3rd August 2018 at T.G.P.C.E.T., Nagpur organized by department of Electrical Engineering initiated by TGPCET-IE(I) Staff Chapter.

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Dr. Mohan Gaikwad-Patil
Chairman, GPG

Prof. Sandeep Gaikwad
Treasurer, GPGI

Dr. G. K. Awari
Principal, TGPCET
Convener

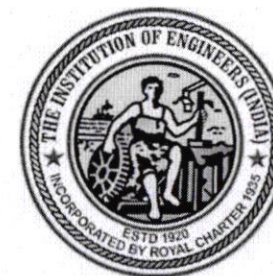
Prof. Anup Gade
HoD, IT
Co-Convener

Principal
Tulsiramji Gaikwad-Patil College of
Engineering & Technology,
Nagpur

HoD, EE
Organizing Secretary

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2nd – 3rd August 2018



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This is to certify that Mr./Ms./Dr. Shraddha Gajbhiye of T.G.T.P.C.E.T has actively participated in the Faculty Development program on "Recent trends in Power Electronics & Power Systems" held on 2nd – 3rd August 2018 at T.G.P.C.E.T., Nagpur organized by department of Electrical Engineering initiated by TGPCET-IE(I) Staff Chapter.

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[Signature]
Dr. Mohan Gaikwad-Patil
Chairman, GPG

[Signature]
Prof. Sandeep Gaikwad
Treasurer, GPGI

[Signature]
Dr. G. K. Awari
Principal, TGPCET
Convener

[Signature]
Prof. Anup Gade
HoD, IT
Co-Convener

[Signature]
Principal
Tulsiramji Gaikwad-Patil College of
Engineering & Technology,
Nagpur

[Signature]
HoD, EE
Organizing Secretary

Department of Electrical Engineering
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**FACULTY DEVELOPMENT PROGRAM ON " RECENT
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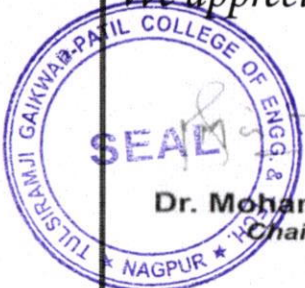
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This is to certify that Mr./Ms./Dr. Vaishali Pawade of T.G.T.P.C.E.T has actively participated in the Faculty Development program on "Recent trends in Power Electronics & Power Systems" held on 2nd – 3rd August 2018 at T.G.P.C.E.T., Nagpur organized by department of Electrical Engineering initiated by TGPCET-IE(I) Staff Chapter.

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Dr. Mohan Gaikwad-Patil
Chairman, GPG

Prof. Sandeep Gaikwad
Treasurer, GPGI

Dr. G. K. Awari
Principal, TGPCET
Convener

Prof. Anup Gade
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Principal
Tulsiramji Gaikwad-Patil College of
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Nagpur
HoD, EE
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College of Engineering & Technology, Nagpur

NH-7, Mohgaon, Wardha Road, Nagpur - 441 108

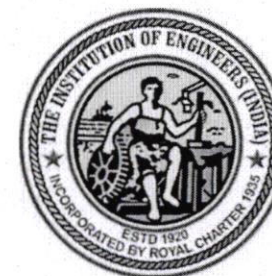
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2nd – 3rd August 2018



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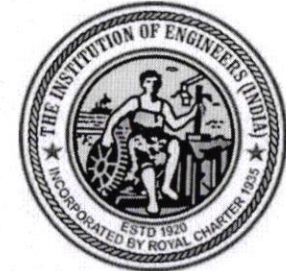
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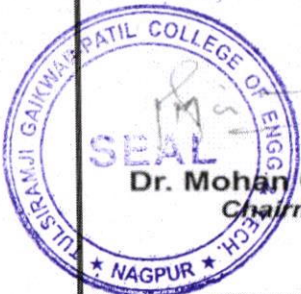
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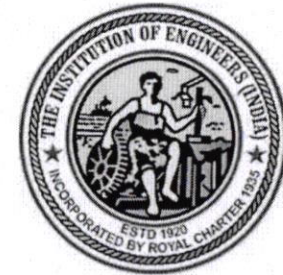
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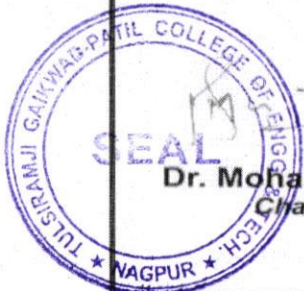
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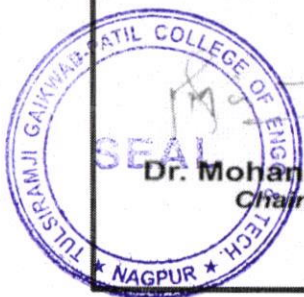
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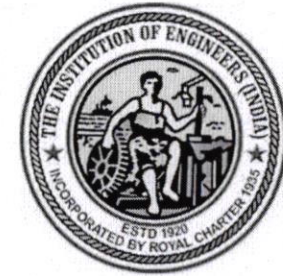
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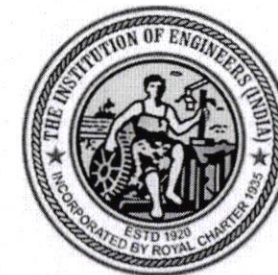
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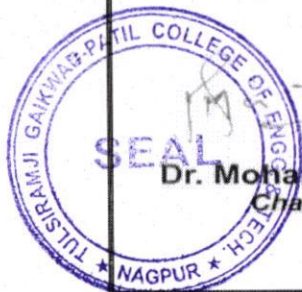
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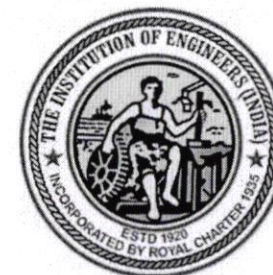
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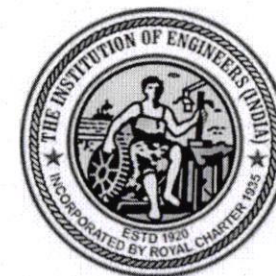
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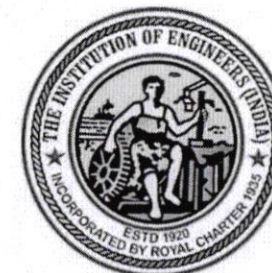
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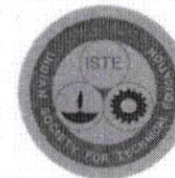
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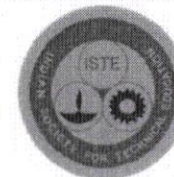


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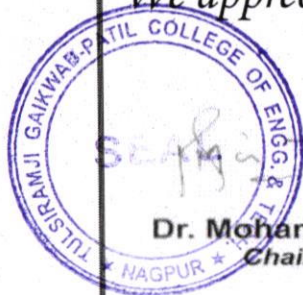
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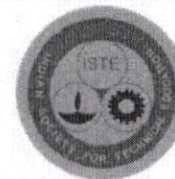
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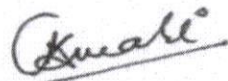
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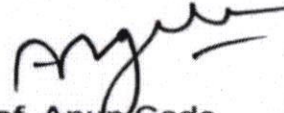
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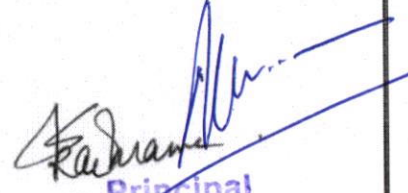
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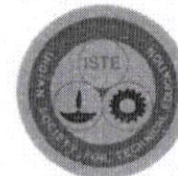
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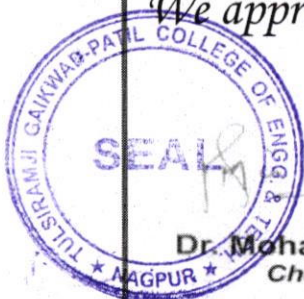


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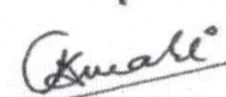
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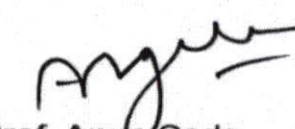
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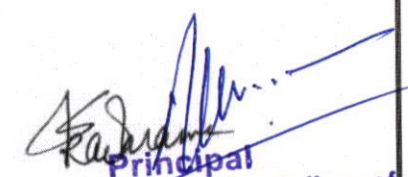
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5th – 6th March 2019

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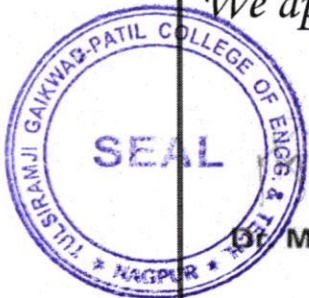


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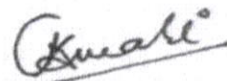
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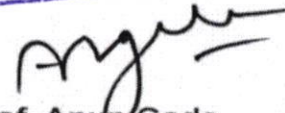
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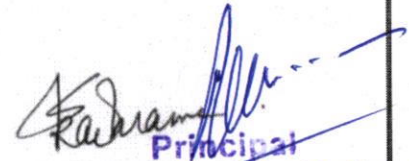
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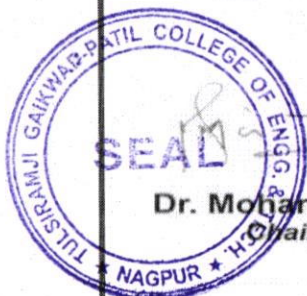
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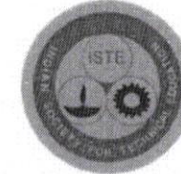
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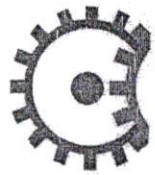
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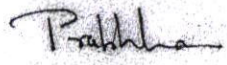
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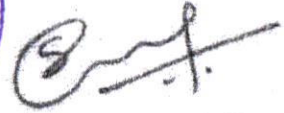
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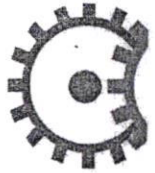

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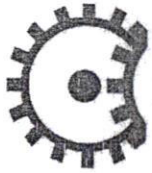
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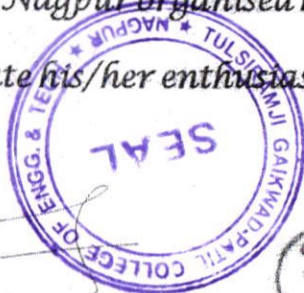


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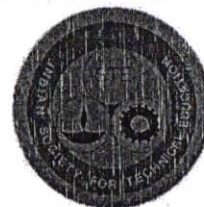
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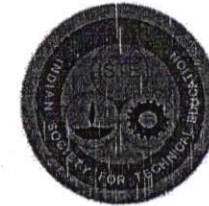
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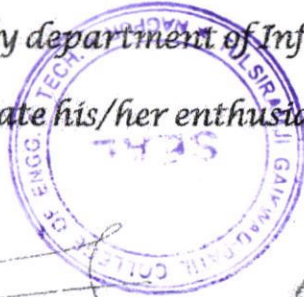
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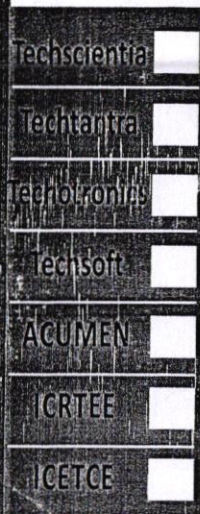
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a paper titled "A Study of Performance Appraisal Procedure"
in the 5th International Conference. adopted at Neosynergy system Pvt. Ltd. Nagpur.

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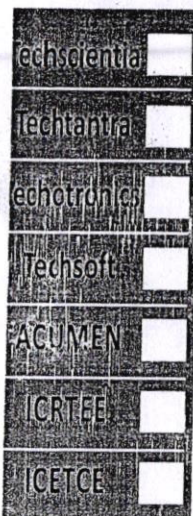
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