



D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44
DEPARTMENT OF ROBOTICS AND AUTOMATION

JULY 2024 NEWS LETTER

Department Activities:

Department of robotics and automation has conducted One week STTP on "Introduction and Hands on software training of Roboanalyzer & Mechanalyzer"

The poster features logos at the top for NAAC, NBA, ISTE, DYP, Robotics Society of India, and IQAC. The main text identifies the event as a one-week FDP organized by the Department of Robotics & Automation Engineering at D.Y. Patil College of Engineering, Akurdi, Pune, in association with ISTE and IQAC. The topic is 'Introduction and Hands on Software Training of Roboanalyzer & Mech-Analyzer'. The first session is on Day 1 (16/07/2024) from 3.30 pm to 4.30 pm, covering DH Parameters and Robot Kinematics & Dynamics. The speaker is Mr. Vinod Atpadkar, CEO of SVR Infotech, Pune. A Google Meet link is provided for joining the session. The poster also lists the convenor, dean, and principal.

D.Y.PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE
(AN AUTONOMOUS INSTITUTE)

Department of Robotics & Automation Engineering
in Association with ISTE & IQAC Cell of DYPCOE

ORGANIZING
ONE WEEK FDP
ON
"INTRODUCTION AND HANDS ON SOFTWARE TRAINING OF
ROBOANALYZER & MECH-ANALYZER"

Day 1 : Session 1

Date: 16/07/2024
Time: 3.30 pm to 4.30 pm
Topic: 1. DH Parameters
2. Robot Kinematics & Dynamics

SPEAKER

Mr. Vinod Atpadkar
CEO, SVR Infotech, Pune

JOIN
<https://meet.google.com/kfs-jgao-rbs>

Dr. N. K. Kamble
Convener

Dr. S. S. Sarnobat
Dean Administration

Dr. Mrs. P. Malathi
Principal & IQAC Chairman

Name of Faculty Coordinator :

Mrs. Tejas A. Jadhav

Dr N. K. Kamble
Head of Department



D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44

DEPARTMENT OF ROBOTICS AND AUTOMATION

JULY 2024 NEWS LETTER

Department Activities:

Department of robotics and automation has conducted Parent Teacher meeting for Second year , Third Year and Final Year.



D.Y.Patil College of Engineering, Akurdi
Department of Robotics and Automation
Engineering

PARENT TEACHER MEETING



*WELCOME
TO
PARENT TEACHER MEETING
OF
ACADAMIC YEAR 2024-25*



Name of Faculty Coordinator :

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Dr N. K. Kamble
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JULY 2024 NEWS LETTER

Department Activities:

Department of robotics and automation has BOS meeting for Syllabus structure of B-Tech and M-Tech.



Name of Faculty Coordinator :

Mrs. Tejas A. Jadhav

Dr N. K. Kamble
Head of Department



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DEPARTMENT OF ROBOTICS AND AUTOMATION

JULY 2024 NEWS LETTER

Department Activities:

Department of robotics and automation actively participated in the Mentimeter Webinar held on Saturday, July 13, 2024, from 11:30 AM to 12:30 PM.



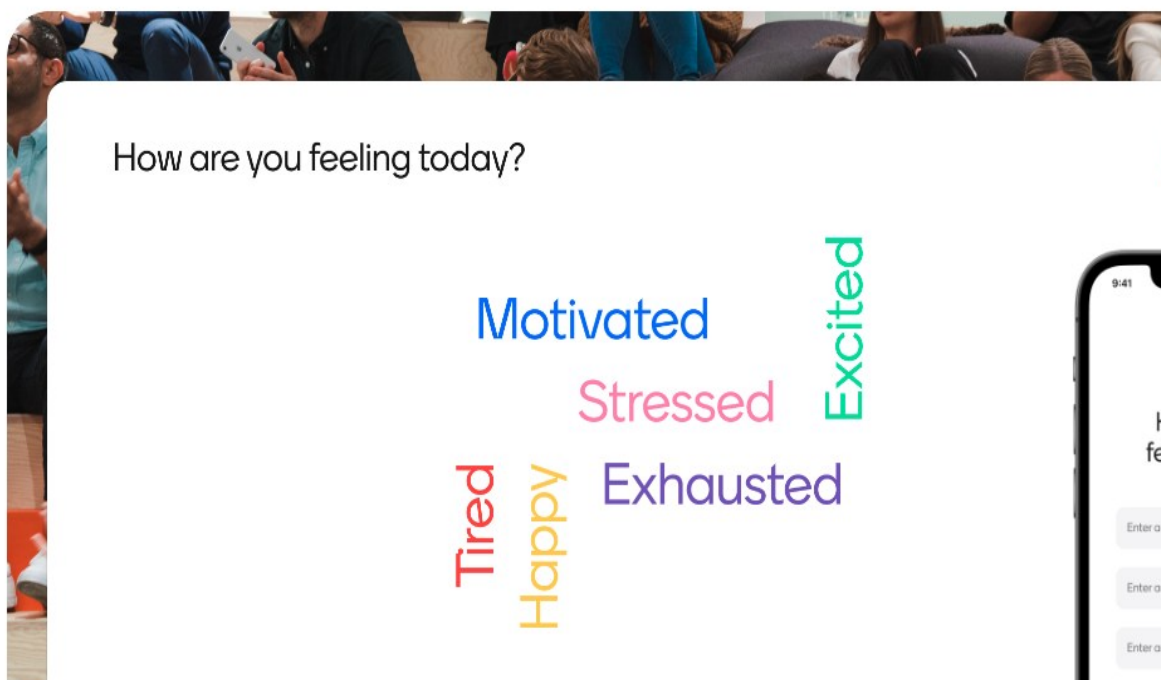
Work ▾ Education ▾ Features ▾ Resources ▾ Pricing Talk to sales

Break the ice

Get instant feedback

Evaluate understanding

Make decisions



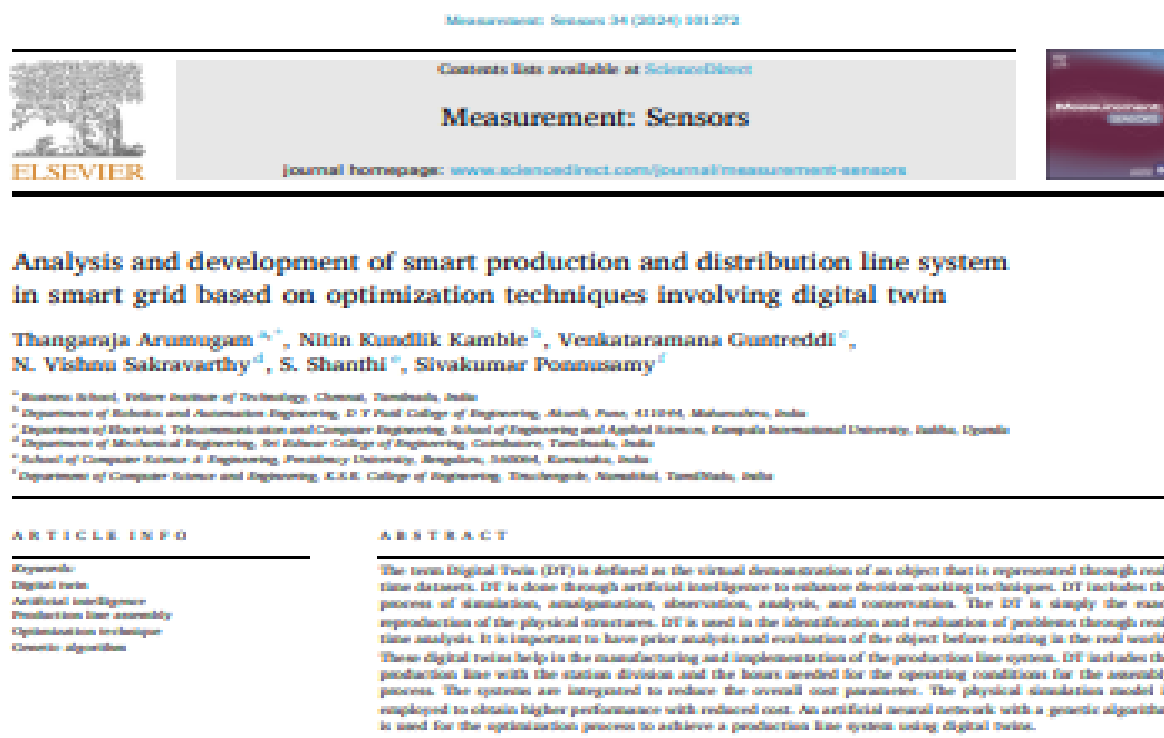
Name of Faculty Coordinator :

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Dr N. K. Kamble
Head of Department

Faculty Achievements and Participation:

Dr. Nitin Kamble , H.O.D. of robotics and automation has published a paper on “Analysis & development of smart production and distribution line system in smart grid based on optimisation techniques involving digital twin” in science direct elsever



1. Introduction

The mobile phone usage and the consumer market have a rapid growth in the past decades. This is due to the advanced sophistication given by mobile phones in day-to-day life [1]. This leads to an increase in the demands of the consumers. Mobile phones are also referred to as a 3C electronic product which represents computer and communication and consumer [2].

This is an intensive manufacturing process that includes several constraints and consequences. Mobile phones are updated eagerly to enhance their usage and to meet the demand of consumers [3]. The production includes specific characteristics such as high-frequency production change parameters, higher flexibility, and faster communication parameters. This leads to the optimization of workshop production lines. The research and implementation of the mobile phone production line involves nearly about 5 months and the lifecycle of the mobile phone product is less than a year [4]. The implementation and optimization are done within a short period in the high-frequency

production line. The design and implementation scheme is done efficiently in the workshop production line. The important functioning of the 3C assembly line involves multilane mixing with cross-sharing of data and machine duplicating. There are numerous testing processes involved in the mobile phones and its networking system [5].

They are done through the aid of artificial intelligence that helps to obtain exact optimum solutions. This is preceded with the use of digital twins that help to enhance the physical to virtual representations leading to a decrease in the computational time [6]. It provides various supporting tools for the design and development of the product implementation and its structures. This makes the system more reliable without the disturbances of external parameters. This is used to obtain higher accuracy and increased production.

This includes the Internet of Things for storing and exchange of data in the system enabling two-way communication systems [7]. Thus the designing and production lines of mobile phones were implemented through digital twins. The working and the degrees of functioning are optimized through the optimization algorithm. This also includes the

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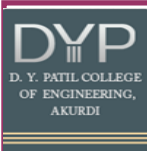
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JULY 2024 NEWS LETTER

Faculty Achievements and Participation:

- Mr. Vipul Rathod has completed the one week FDP on One week FDP on National education policy 2020"



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JULY 2024 NEWS LETTER

Faculty Achievements and Participation:

- Dr. R. P. Jadhav and Mrs. Sujata U. Khirao have completed the one week FDP of NITTTR on "Question paper design for outcome based curriculum"



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JULY 2024 NEWS LETTER

Student Achievements and Participation:

Following students of Robotics and automation department attained One week STTP on "Introduction and Hands on software training of Roboanalyzer & Mechanalyzer"

- Nandini Pujari
- Pranav Jadhav
- Devesh Wale
- Geetanjali Nimse
- Tushar Kalantre
- Vrushali kulkarni
- Yugandhara Shinde
- Akash Devkar
- Gauri Bhutada
- Ishaan
- Om Thakare
- Prathamesh Mavle

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JULY 2024 NEWS LETTER

Student Achievements and Participation:

Mrs. Girija Kedari, student of third year has completed certification Course on "Introduction to Analytics"



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JULY 2024 NEWS LETTER

Student Achievements and Participation:

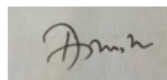
- Mrs Sonam Dongare , student of final year has participated in 2024-Prayas 2 days Externship in ETCON , Kharadi
- Mrs Sonam Dongare , student of final year has ocompleted certification course on"Google data Analytics"



2024 - Prayas Certificate of Participation

Ms. Sonam Dongare

is presented for participating in Prayas corporate exposure program which trains and provide corporate exposure



Ashish Kapoor
Director Human Resource – India, Eaton Corporation



Name of Facul-

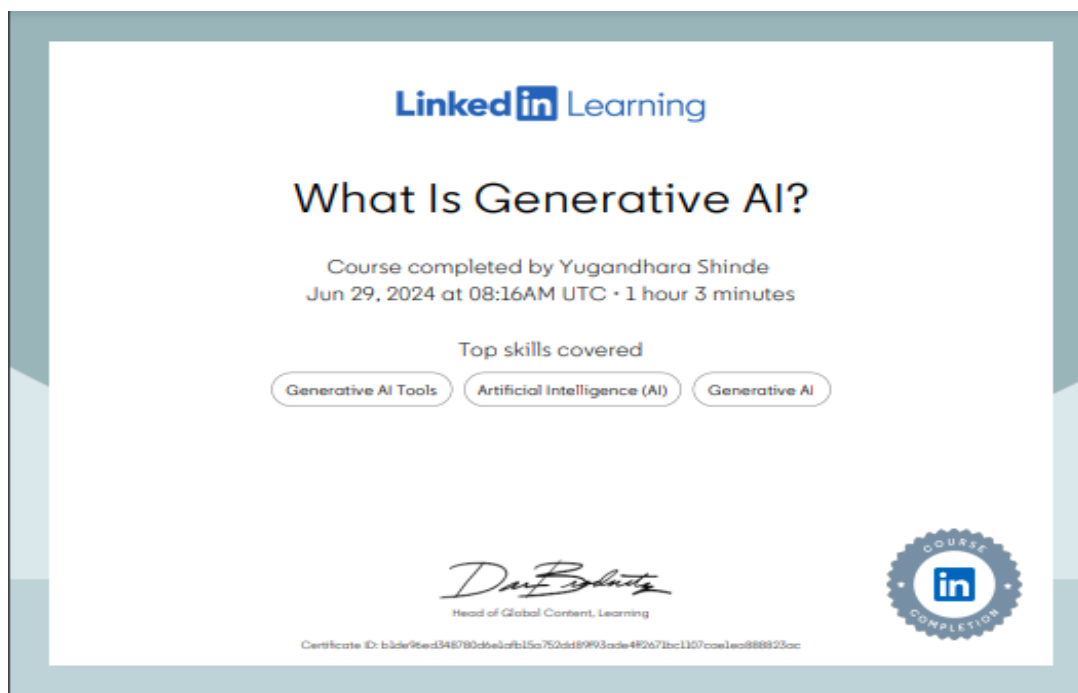
Mrs. Tejas A. Jadhav

Dr N. K. Kamble
Head of Department

JULY 2024 NEWS LETTER

Student Achievements and Participation:

- Mrs Yugandhara Shinde, student of third year has completed certification course on "What is Generative AI"
- Mrs Yugandhara Shinde, student of third year has completed certification course on "Introduction to Azure static web App"



**Microsoft Learn
Student Ambassador**

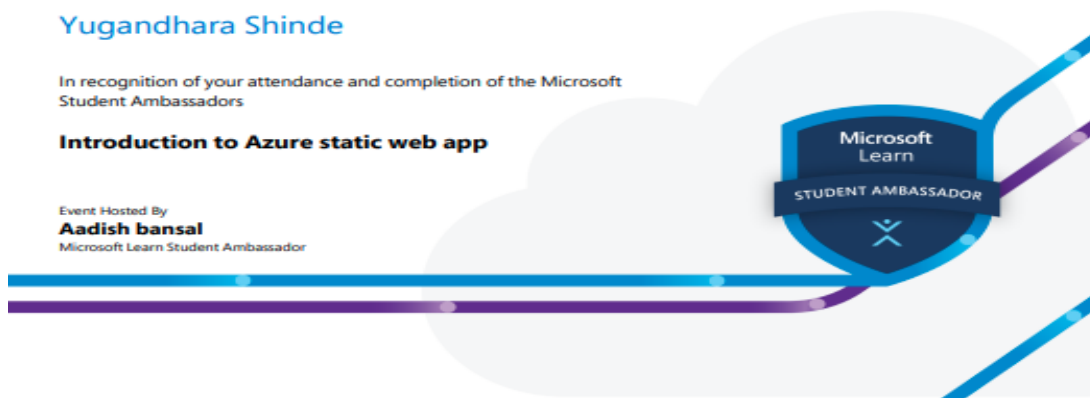
This certificate is presented to:

Yugandhara Shinde

In recognition of your attendance and completion of the Microsoft
Student Ambassadors

Introduction to Azure static web app

Event Hosted By
Aadish bansal
Microsoft Learn Student Ambassador



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