Guru Gobind Singh College of Engineering and Research Centre, Nashik

Program Report

Department of Automation and Robotics

Title of Program	**Guest Lecture on Robotics Technology & its Applications**
Objective of Program	The objective of the Session is - To learn how Robotics is focused on automating tasks to improve efficiency, reduce human error, and enhance productivity in industries such as manufacturing, automotive, and healthcare. - To develop robots that can operate autonomously, make decisions in real time, and adapt to dynamic environments using sensors, AI, and machine learning, IOT etc. - To study how Robotics drives innovation in a wide range of industries including space exploration, agriculture, and disaster response, solving problems that are difficult or dangerous for humans - By connecting everyday automation devices, IoT enables the collection of valuable data, which can be used to monitor, analyze, and improve processes (e.g., smart homes, predictive maintenance for machinery.
PO Mapped	PO5, PO6, PO10
Date & Time of Program	27/02/2025 AT 10:00 am
Venue	**Automation and Robotics Department**
Organised By	Automation and Robotics Department
Participants	Second Year Students of Automation and Robotics
No of Participants	38
Details of Expert	**Ms. Siraj Tiwari** Design & Development Engineer, Cognifront, Nashik
Photograph/Video Available	Photo Available with AR Dept
Nature of Photo Submission	Soft Copy
Brief about the Program (Activity/Event)	In this session Ms Siraj Tiwari given brief introduction about combining robotics and IoT allows for the creation of robots and devices that can not only perform physical tasks but also gather, analyze, and act on data in real-time. For example, a robot equipped with IoT sensors can monitor its environment and make decisions based on that data. IoT-enabled robots can seamlessly communicate with other devices in their environment, enabling better coordination and more complex interactions. This is particularly useful in smart factories, warehouses, and healthcare systems where robots, sensors, and devices must work together.
Name and Sign of Program Incharge	Prof. Sandip S. Patil , Prof. Gokul Jadhav
Supporting Staff	Dr Manoj D Salunke, Mr. Tushar Sonawane, Mr Hujefa Pinjari
Program Approved by HOD	Prof. Sandip S. Patil HOD
Program Approved by Principal	Dr. Neelkanth G. Nikam PRINCIPAL

IQAC Coordinator
Guru Gobind Singh College of
Engineering and Research Centre, Nashik

PRINCIPAL
GURU GOBIND SINGH COLLEGE OF ENGINEERING
& RESEARCH CENTRE, NASHIK

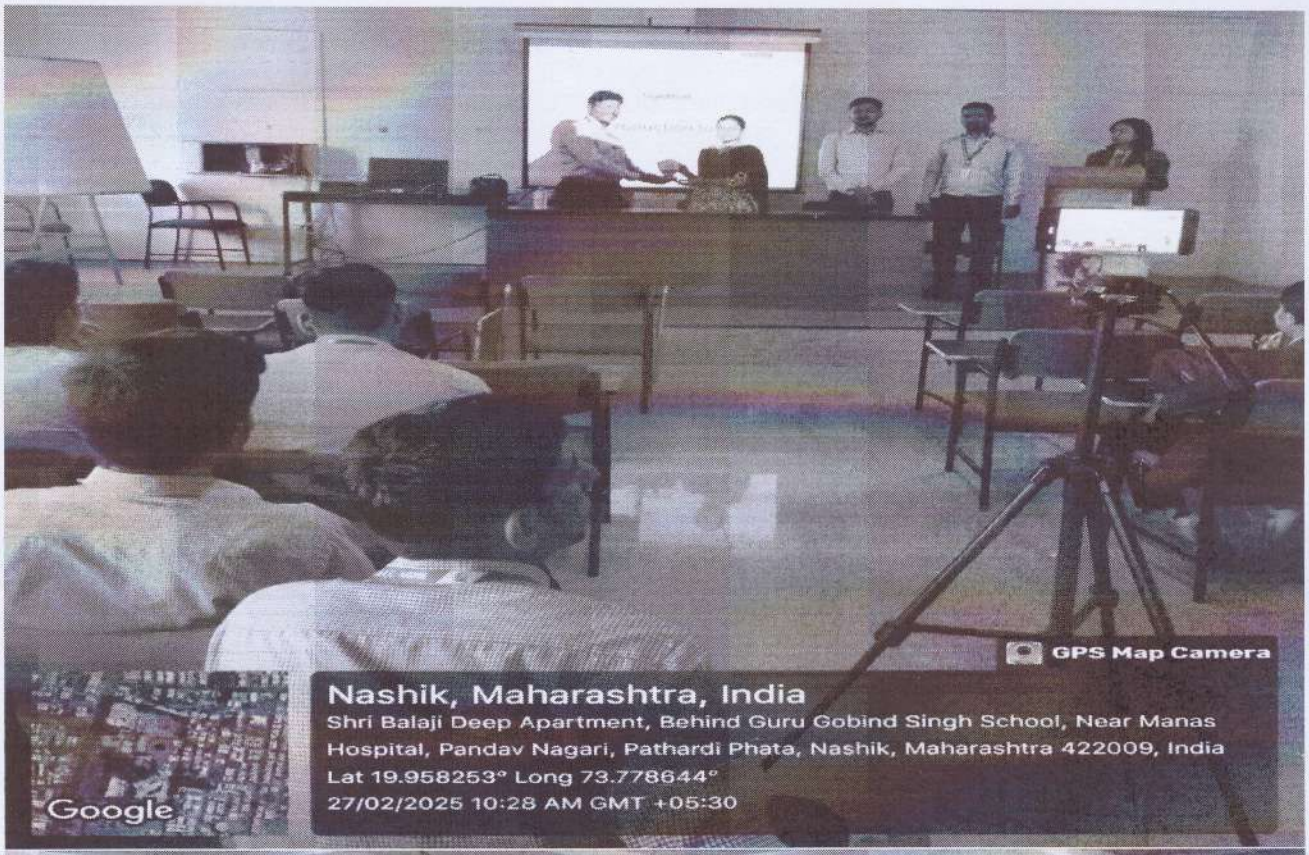
AICTE I.NO
WESTERN/2013/
1-1404766831
Dt 22.04.2013

Guru Gobind Singh College of Engineering and Research Centre, Nashik

Program Report

Department of Automation and Robotics

Activity: Guest Lecture on Robotics Technology & its Applications
Speaker: Ms. Siraj Tiwari (Design & Development Engineer, Cognifront, Nashik)
Date: 27/02/2025 Venue: Seminar Hall, Automation and Robotics Department



Head
Department of Automation And Robotics
Guru Gobind Singh College of
Engineering & Research Centre, Nashik

PRINCIPAL
GURU GOBIND SINGH COLLEGE OF ENGINEERING
& RESEARCH CENTRE, NASHIK

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Estd. 2013 Approved By AICTE, Govt. of Maharashtra and DTE, Maharashtra State

Automation & Robotics

To,

Ms. Siraj Tiwari,

Engineer,

Cognifront, Nashik.

Subject: - Invitation for the Expert Talk

Dear Sir,

Guru Gobind Singh College of Engineering & Research Centre, Nasik is one of the emerging colleges in Nashik region established in 2013. This college is accredited by NAAC, approved by AICTE, and DTE Govt. of Maharashtra. It is affiliated to Savitribai Phule Pune University, Pune.

The Department of Automation & Robotics Engineering is planning to organize expert talk on "Robotics Technology & its Applications" scheduled on 27th Feb 2025, Under Automation & Robotics Students Association (ARSA). It gives us immense pleasure to invite you as Expert for this session. I kindly request you to honour us by your presence at our campus on **27th Feb 2025 at 10:00 a.m.**

Thank you.

Prof. Sandip S. Paul
HOD
Automation & Robotics

Recieved

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Date-27th Feb 2025

Automation & Robotics

To,

Ms. Siraj Tiwari,

Engineer,

Cognifront, Nashik.

Respected Sir,

On behalf of Guru Gobind Singh College of Engineering & Research Centre, Nashik, we are really grateful that you could spend your valuable time as Expert for the session on **"Robotics Technology & Its Application"** for our Automation & Robotics students. Your valued indepth knowledge were really fascinating & students found them very thoughtful. We look forward to your delightful presence as Guest's for our future events.

Thanking You,

Prof Sandip S. Patil
H.O.D.
(Dept. of Automation & Robotics)

Recieved
Siraj.

GURU GOBIND SINGH FOUNDATION
Guru Gobind Singh College of Engineering & Research Centre, Nashik
Department of Automation and Robotics

Title of Activity: Expert lecture on IoT.
Venue: Date : 27/2/2025

Sr.No	Roll.No	Name of Student	Sign
1	1	ADITI KAMLAKAR BHUJBAL	
2	2	AHERKAR SHUBHANGI SACHIN	
3	3	ATTARDE GAYATRI BHARAT	
4	4	BAWA VICKY ANIL	
5	5	BHALERAO RUSHIKESH RAJENDRA	
6	6	BHALERAO RUSHIKESH SIDDHARTH	
7	7	BHAVSAR DURVESH SATISHCHANDRA	
8	8	BHOR VAIBHAV DHANAJI	
9	9	BOHRI TAHER SHABBIR	
10	10	CHAUDHARI PRATHAMESH DINESH	
11	11	CHAUDHARI SUDHIR MAHESH	
12	12	CHAVAN RAJ DEEPAK	
13	13	CHAVAN ROHIT PANDURANG	
14	14	DAWARE PRIYA SANJAY	
15	15	DEORE RUTUJA DINESH	
16	16	DESHMUKH SATYAKI AJAY	
17	17	DHAMANE RIDDHI SANDEEP	
18	18	DHANDE ESHA JITENDRA	
19	19	GHODE KITIKA SOMNATH	
20	20	GOPHANE TITIKSHA RAJU	
21	21	HARDE SAKSHI DATTATRAY	
22	22	JADHAV ANUJA NANASAHEB	
23	23	JADHAV MINAKSHI TUSHAR	
24	24	JADHAV RUSHIKESH SHARAD	
25	25	JANRAO SAKSHI RAMESH	
26	26	KAKAD KOMAL KISHOR	
27	27	KHANDARE VAISHNAVI SURESH	
28	28	KUMAVAT VIVEK KAILAS	
29	29	LOHAKARE TUSHAR BHARAT	
30	30	MAHAJAN PRANAV ATUL	
31	31	MAHALE KALPESH VINAYAK	
32	32	NAGARE SANKET RAMNATH	
33	33	NAGARE SARANG RAJENDRA	
34	34	NANDAN SAMRUDDHI NARENDRA	
35	35	NEHA NARENDRA JAGTAP	
36	36	NIKUMBH SHAURYAN KISHOR	
37	37	OM SANJAY AHIRE	
38	38	PAGARE SNEHAL PRAMOD	
39	39	PATIL HARSHAL SANJAY	
40	40	PATIL PALAK JITENDRA	
41	41	PATIL RUSHIKESH SACHIN	
42	42	SHAMANE KRUSHI SANTOSH	

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43	43	SHELKE VAIBHAV SUBHASH	Vaibhav
44	44	SHETE GAYATRI BHAUSAHEB	Shete
45	45	SHINDE CHAITANYA KRISHNARAO	Shinde
46	46	SHINDE HRISHIKESH UTTAM	HShinde
47	47	SHIVALE ADITYA SHASHIKANT	
48	48	SIDDHANT ANANT SALVE	Salve
49	49	SIRSAT JAYWANT DNYANESHWAR	
50	50	SONAR ARYAN AVINASH	
51	51	SONAWANE PIYUSH PRADIP	
52	52	TADGE SHUBHAM SANTOSH	
53	53	TAJANE SHUBHAM GOVIND	STajane
54	54	THORVE SAMARTH SHAILESH	
55	55	TIWARI DIYA YOGESH	
56	56	WISHWAKARMA PRIYANKA NISHANT	Priyanka

Prof S.S.Patil
Head
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Miss. Siraj
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