Sinhgad Technical Education Society's
SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA
(Affiliated to Savitribai Phule Pune University and Approved by AICTE, New Delhi)
Accredited by NAAC with Grade "A"
INSTITUTION'S INNOVATION COUNCIL

School Outreach – Khopoli Sajgoan, Raigad District

Organized by: Institution's Innovation Council (IIC), SIT Lonavala

Venue: ZP School, Sajgoan, Khopoli, Raigad District

Date: 22nd March 2025

Introduction:

As part of its mission to promote innovation and inspire young learners, the Institution's Innovation Council (IIC), Sinhgad Institutes of Technology, Lonavala, organized a School Outreach Program at ZP School Sajgoan, Khopoli on 22nd March 2025. The focus of this program was to introduce students to robotics through the ROBO-Rashtra Robot, designed and demonstrated by IIC members.

Event Details:

- **Coordinator & Demonstrator:** *Mr. Manas Kale*
- **Supporting Team Members:** IIC SIT Lonavala Students

The workshop began with **an engaging session** where Mr. Manas Kale explained in detail the **process of building the ROBO-Rashtra robot**, including its design, functioning, and applications. The demonstration highlighted how robotics can contribute to solving real-world problems and foster creativity among students.

A **hands-on experience** was then provided, where **every student from Class 4th to 8th** had the opportunity to operate the robot themselves. This interactive approach created excitement and a practical understanding of robotics among the students.

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Impact:

- Students developed an **understanding of robotics basics** and its applications.

- The **hands-on exposure** boosted their confidence and curiosity in technology.

- The program helped nurture **creativity, innovation, and problem-solving skills** at the school level.

- Students expressed high satisfaction and enthusiasm for participating in such workshops.
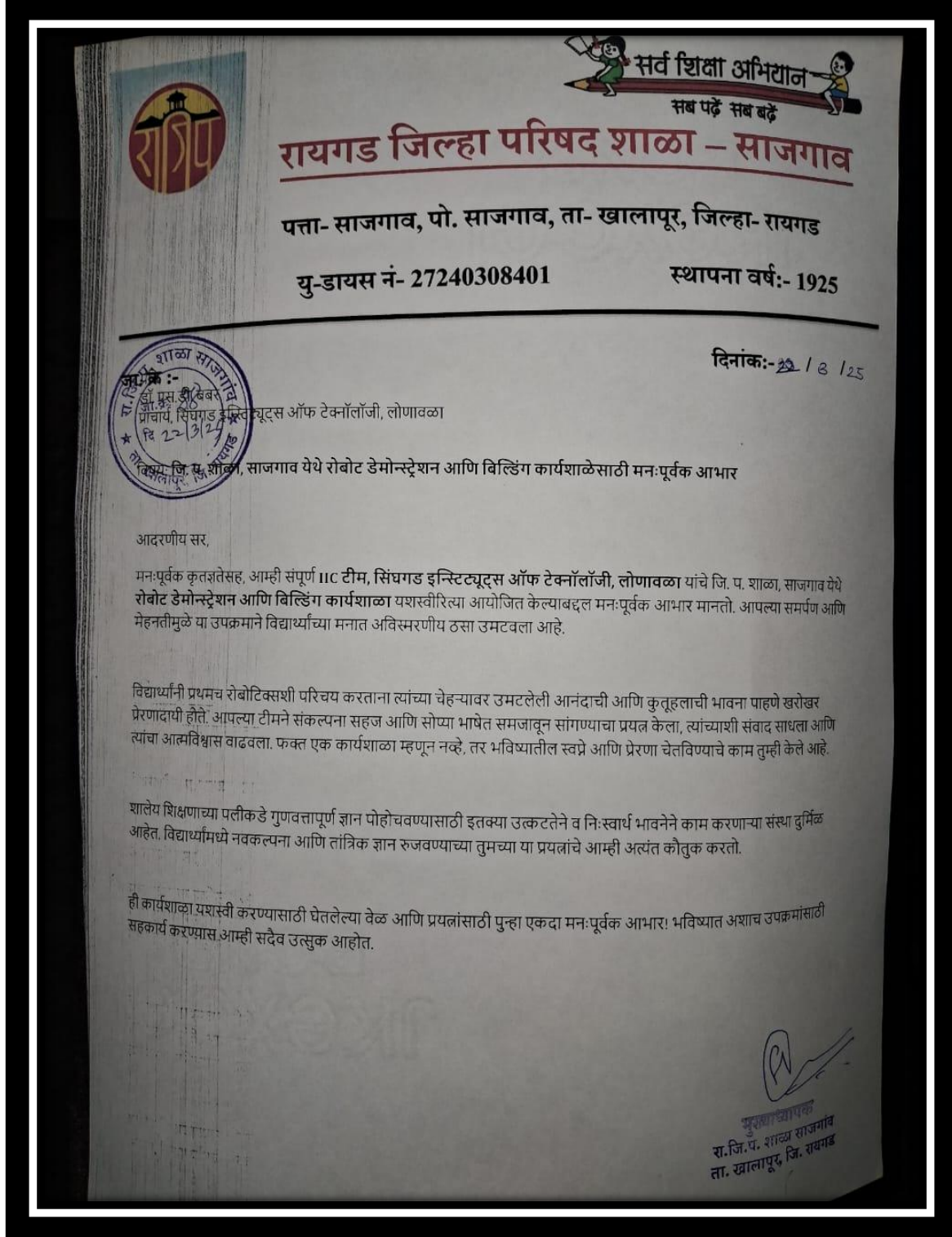
Acknowledgment:

At the end of the program, the **School Administration** appreciated the efforts of IIC SIT students. The **Principal and teachers of ZP School Sajgoan** presented a **Letter of Appreciation** to the IIC team for conducting a **Free Robotics Workshop** and inspiring their students.

Conclusion:

The **ROBO-Rashtra Demonstration Workshop** at ZP School Sajgoan was a **remarkable success**, fulfilling the goal of spreading awareness and practical knowledge of robotics among school children. The active participation and satisfaction of students highlight the importance of such initiatives in promoting **STEM education** in rural and semi-urban areas.

The IIC SIT team looks forward to conducting more such **outreach programs**, bridging the gap between higher education and school-level learning while igniting innovation in young minds.

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PHOTOGRAPHS

Letter of Appreciation.

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Mr. Manas Kale with students.

Felicitation of Mr. Manas Kale by the School Principal.

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Students operating the Robot.

Group photo with students.

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ATTENDANCE

IIC Volunteers:

1)Manas Kale

Z.P School Participants:

55+ *Students*

Pandurang Shankar Kale – Class Teacher

In total 6 staff Members

Total Participants: 65+ students