IEEE Foldscope Workshop

1. **Name of the Event**: IEEE Foldscope Workshop

2. **Mode**: Offline

3. **Venue**: Symbiosis Institute of Technology (SIT), Hyderabad

4. **Date and Time**: April 4, 2025 | 9:30 AM – 11:30 AM

5. **Name of the Organizing Institute:** Symbiosis Institute of Technology (SIT), Hyderabad

6. **Name of the Organizing Council:** IEEE SIT Hyderabad Student Branch and NSS Club: BuildHope

    In collaboration with:

    ● AP SIGHT Project

    ● IEEE Pune Section

    ● IEEE Bombay Section

    ● IEEE SIT Student Branch

    ● IEEE Education Society Young Professionals

7. **Name and Contact of the faculty Coordinator(s):**

    Mr. Sai Prashanth Mallellu, Student Affairs & Adjunct Faculty, SIT Hyderabad
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8. **Name and Contact of the Head of the Institute:**
    Prof. Rajanikanth Aluvalu, Director, SIT Hyderabad
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9. **Objective of the event:**

    1. The primary objective of the IEEE Foldscope Workshop was to promote hands-on, inquiry-based learning among school students by introducing them to the fascinating world of microscopy through the use of Foldscopes—ultra-affordable, origami-based paper microscopes. This

initiative sought to make scientific tools and learning experiences accessible to young learners from underserved communities, thereby igniting their curiosity for science, technology, engineering, and mathematics (STEM). The event also aimed to foster a culture of scientific exploration, creativity, and critical thinking by bridging the gap between textbook knowledge and real-world observation.

2. Additionally, the workshop aligned with the community engagement goals of the Symbiosis Institute of Technology, Hyderabad, and IEEE, encouraging collaborative participation from IEEE volunteers, NSS BuildHope members, and school students in a shared learning environment. It was designed to create a memorable learning experience that could potentially inspire future careers in science and technology