A Report on Webinar "Insights from Global Leaders in Robotics"
Organized By Department of CSE- Artificial Intelligence
in Association with
IEEE Robotics & Automation Society of Hyderabad Section Chapter, India
Date: 20.11.2024

Report Submitted by: Mr. K. Mahammad Assistant Professor, Dept. of CSE- Artificial Intelligence, MITS.
Participants: 130+ Global Participants (From MITS 2 Faculty and 10 Students)
Date and Time: 20.11.2024, 06:45 P.M to 09:00 P.M IST
Mode of Conduct: Online
Report Received on 23.11.2024.
Registration Link: https://forms.gle/FNjZnT4hypVXmpgL8.

Event Overview:

The virtual event "Insights from Global Leaders in Robotics" was organized by the IEEE Hyderabad Section and co-hosted by multiple academic institutions. The event was held on November 20, 2024, with the aim of shaping the future of young engineers by offering a global perspective on robotics and career pathways. The event brought together renowned experts in the field of robotics to share their insights and experiences with the attendees. The event was well-attended by students, researchers, and industry professionals. This event was a collaboration between IEEE RAS chapters from several regions and universities:

- IEEE RAS Universidad Veracruzana Ing Boca del Rio, Mexico
- IEEE RAS New Hampshire Section Chapter, USA
- IEEE RAS SBC Mehran University of Engineering and Technology, Pakistan
- IEEE RAS SBC Sreenidhi Institute of Science & Technology, India
- IEEE RAS Nigerian Section Chapter, Nigeria
- IEEE RAS SBC Matrusri Engineering College, India
- IEEE RAS SBC VNR Vignana Jyothi Institute of Engineering & Technology, India
- **IEEE RAS SBC Madanapalle Institute of Technology & Science, India**
- IEEE RAS SBC KL University Hyderabad, India
- IEEE SB KL University Vijayawada, India

This broad co-hosting allowed the event to cater to a diverse audience, fostering an international dialogue on the future of robotics.

Schedule:

Event Details:

Date: 20/11/2024
Time: 6:45 PM to 9:00 PM IST
Venue: Webex Meet

Meeting Link: Join Webinar

https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=mce65ea43aac65d26b6258799257dd7ef
Meeting Number: 2538 105 1968
Password: IEEE

Agenda Overview:

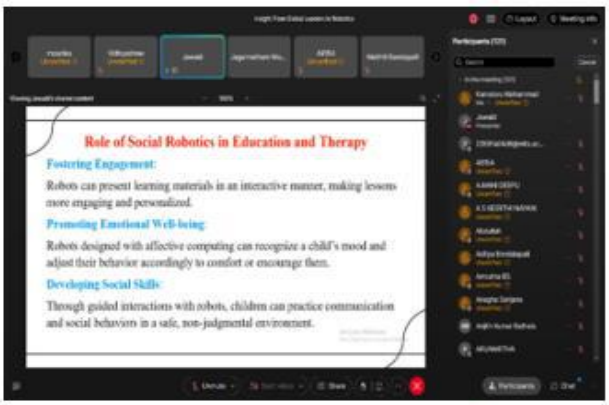
Time (IST)	Event	Speaker
18:50	Introduction to IEEE Hyderabad Section	Dr. Y Vijayalata
19:00	Introduction to IEEE RAS Hyderabad Section	Dr. Sudharsan Jayabalan
19:10	Talk 1: "Social and Educational Robotics for Children with Intellectual Disabilities"	Prof. Dr. Jawaid Daudpoto
19:40	Question Session 1	-
19:45	Talk 2: "Recent Advances and Career Opportunities in Robotics"	Dr. Rogelio de Jesus Portillo-Velez
20:15	Question Session 2	-
20:20	Talk 3: "Robotics as a Subsumption: Career Opportunities"	Dr. Sridhar
20:50	Question Session 3	-
20:55	Thank You and Valedictory	-

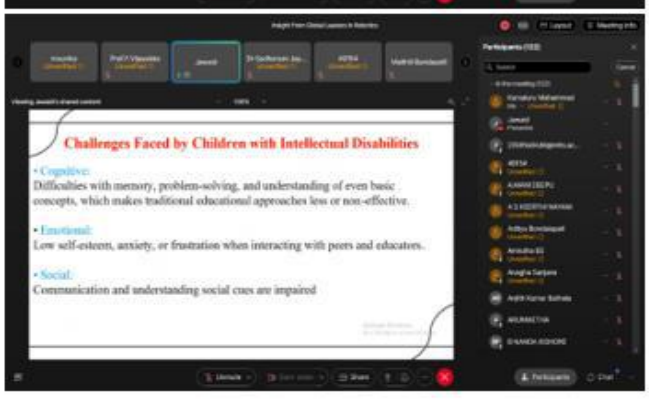
Event Highlights:

The event started at 06:45 PM by Dr. Y Vijayalata, Chairman, IEEE Hyderabad initiated the event by introducing the IEEE Hyderabad Section, emphasizing its commitment to technological progress and research development within the region.
Dr. Sudharsan Jayabalan, Chairman, IEEE RAS Hyderabad Section elaborated on the mission and activities of the IEEE Robotics and Automation Society in Hyderabad. His discussion highlighted the section's focus on innovation, training, and collaboration in the field of robotics.

Talk 1: "Social and Educational Robotics for Children with Intellectual Disabilities"

Time: 19:10 - 19:40 IST
Speaker: Prof. Dr. Jawaid Daudpoto, Professor & Chairman, Department of Mechatronic Engineering, Mehran University of Engineering and Technology, Pakistan.
Prof. Dr. Daudpoto's presentation explored the integration of robotics in educational settings to support children with intellectual disabilities. He showcased case studies demonstrating how robotic tools can enhance learning and social interactions for children, leading to more effective educational outcomes.
Question Session 1: (19:40 - 19:45) The audience engaged with Dr. Daudpoto on practical implementations of educational robotics**.**





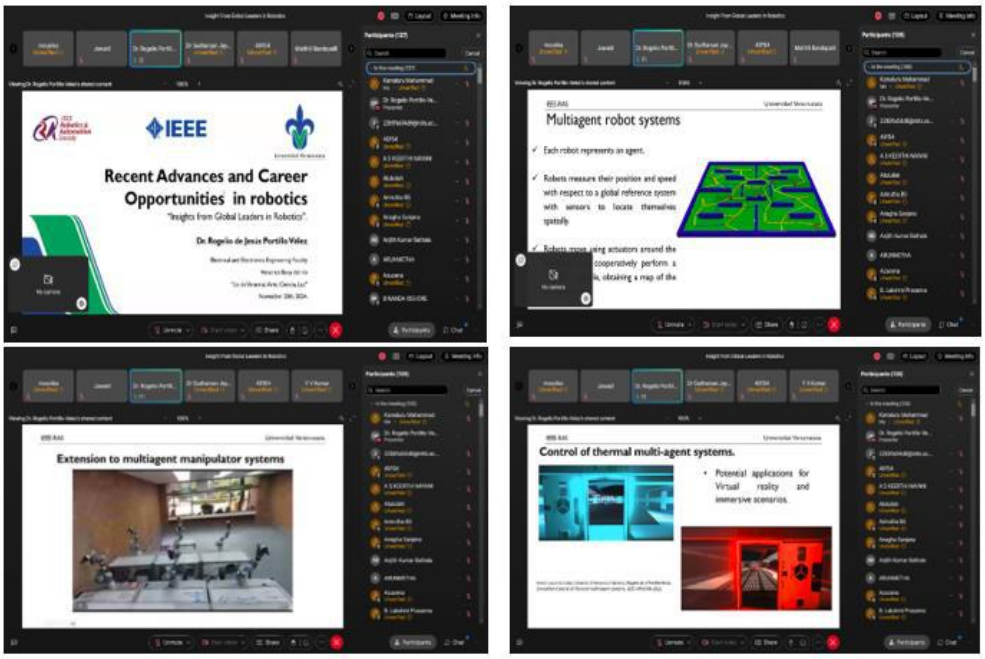
Talk 2: "Recent Advances and Career Opportunities in Robotics"

Time: 19:45 - 20:15 IST

Speaker: Dr. Rogelio de Jesus Portillo-Velez, Professor, Universidad Veracruzana, Mexico.

Dr. Portillo-Velez shared insights into the latest technological advancements in robotics, including AI, machine learning, and automation, along with the associated career opportunities. His discussion aimed to inspire young engineers to explore the diverse fields within robotics.

Question Session 2: (20:15 - 20:20) Participants asked questions on the potential career paths and opportunities in emerging robotic technologies.



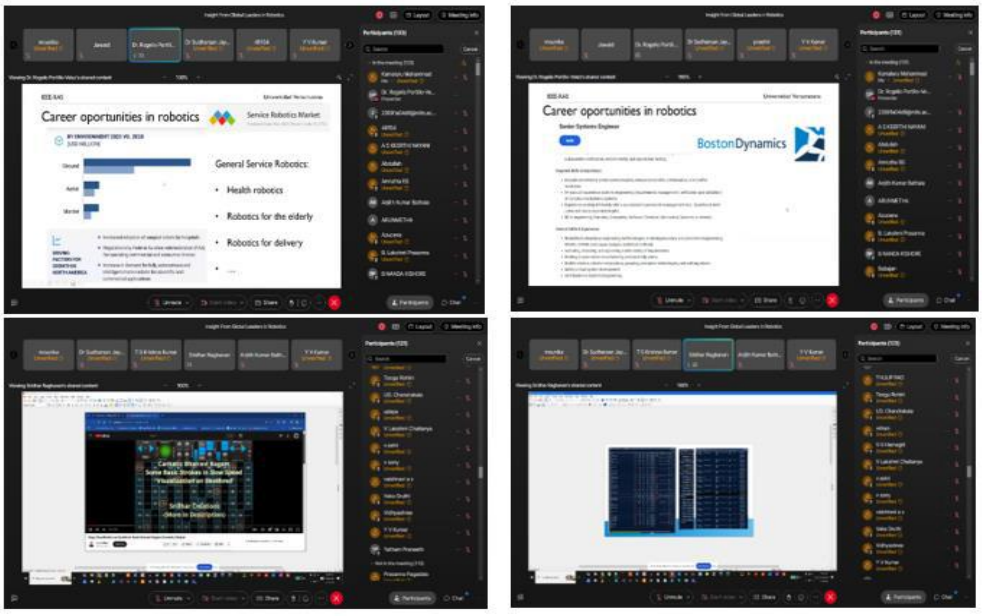
Talk 3: "Robotics as a Subsumption: Career Opportunities"

Time: 20:20 - 20:50 IST

Speaker: Dr. Raghavan, Emeritus Fellow, Motorola & Faculty at Wang Institute, USA.

Dr. Raghavan's talk focused on the concept of subsumption in robotics, where robots operate through a layered architecture to manage tasks and environmental responses. He highlighted the implications of this approach for the future of robotics and the career opportunities it presents.

Question Session 3: (20:50 - 20:55) Dr. Raghavan fielded questions on the challenges and benefits of subsumption-based robotic systems.



Vote of Thanks:

Mounika. S, Secretary, IEEE RAS Hyderabad Section, delivered the vote of thanks, expressing gratitude to the speakers, organizers, and attendees for making the event a success. She also thanked the IEEE Hyderabad Section and Co-hosted colleges for their participation in these insightful discussions.

Outcome of the event:

- Students gained insights into the potential of robotics to aid children with intellectual disabilities, inspiring them to explore innovative applications.
- Students learned about the latest advancements in robotics, such as AI and ML, and the diverse career paths available in this exciting field.
- Students gained a comprehensive understanding of the various sub-fields within robotics, helping them make informed decisions about their future academic and professional pursuits.

Event Participation Certificates:

IEEE Robotics & Automation Society
Hyderabad Section Chapter

CERTIFICATE OF PARTICIPATION

This Certificate is Awarded to

Pattan Dilisha Khanum

For actively participating in the webinar series

" Insights from Global Leader in Robotics"

and attended the following talks held on 20/11/2024

Talk1: *Social and Educational Robotics for Children with Intellectual Disabilities* , by
Prof. Dr. Jawaid Daudpoto ,
Professor & Chairman, Department of Mechatronic Engineering Mehran University of Engineering and Technology, Jamshoro, Sindh, Pakistan.

Talk2: " *Multiagent Robotics* " , by
Dr. Rogelio de Jesus Portillo-Velez Ph.D.,
Professor, Universidad Veracruzana Ing Boca del Rio, Mexico

Talk3: "Robotics as a Subsumption: Career Opportunities" by
Dr Raghavan,
Emeritus Fellow, Motorola & Faculty Wang Institute,
Chair IEEE New Hampshire RAS - USA

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Dr Sudharsan Jayabalan, Ph.D (Robotics)
Chairman
IEEE Robotics and Automation Society,
Hyderabad Section

IEEE Robotics & Automation Society
Hyderabad Section Chapter

CERTIFICATE OF PARTICIPATION

This Certificate is Awarded to

Kamuluri Shabeena

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Dr Sudharsan Jayabalan, Ph.D (Robotics)
Chairman
IEEE Robotics and Automation Society,
Hyderabad Section