



Dayananda Sagar Academy of Technology & Management
(Autonomous Institute under VTU)

Affiliated to **VTU**
Approved by **AICTE**
Accredited by **NAAC** with **A+** Grade
6 Programs Accredited by **NBA**
(CSE, ISE, ECE, EEE, MECH, CV)



REPORT ON

1st International Conference on Advanced Multidisciplinary Innovations in Science & Engineering for Industry 5.0 (AMISE 5.0 - 2026)

28th March 2026 (Online Mode)

30th March 2026 (Offline Mode)

**31st March 2026 to 3rd April 2026
(Offshore Mode at Bangkok, Thailand)**

Organized by

Department of Mechanical Engineering,

Dayananda Sagar Academy of Technology and Management,

Bengaluru – 560082

SUBMITTED BY

Dr. Santhosh N - Conference Chair	(Professor and Head, ME)
Dr. Rajanish M- Conference Chair	(Associate Professor, ME)
Dr. Mallikarjun Biradar - Convener	(Associate Professor, ME)
Dr. Gururaja M N - Convener	(Associate Professor, ME)
Dr. Ashok Kumar M S - Coordinator	(Assistant Professor, ME)
Dr. Abhinav - Coordinator	(Assistant Professor, ME)



PREAMBLE

The **Department of Mechanical Engineering**, Dayananda Sagar Academy of Technology and Management (DSATM), Bengaluru, successfully organized the **1st International Conference on Advanced Multidisciplinary Innovations in Science & Engineering for Industry 5.0 (AMISE 5.0 – 2026)**. The conference was conducted in a **hybrid global format**, comprising **online sessions on 28th March 2026, offline sessions on 30th March 2026 at the DSATM Auditorium, and offshore sessions on 01st April 2026 in Bangkok, Thailand**. This unique structure enabled broad participation from national and international researchers, academicians, and industry professionals.

The conference witnessed significant participation across all three modes. A total of **171 participants presented papers in the online sessions**, while **105 participants contributed to the offline sessions held at DSATM**, and **27 participants took part in the offshore sessions conducted in Thailand**. This distribution reflects the strong outreach and adaptability of the conference in engaging a diverse audience through a hybrid platform.

The technical sessions were organized into multiple thematic tracks to accommodate the wide range of research contributions. The **online mode featured 19 tracks**, the **offline mode included 21 tracks**, and the **offshore sessions comprised 3 tracks**. These tracks covered various emerging and core areas of engineering and technology, ensuring comprehensive academic engagement.

In terms of paper contributions, the conference received substantial participation from different regions. A total of **77 papers were contributed by DSATM**, while **161 papers were from institutions within Karnataka**, and **75 papers were from outside Karnataka**, highlighting the national reach of the conference. The thematic distribution of research papers indicated a strong inclination toward emerging technologies, with approximately **37% of papers focused on Artificial Intelligence and Machine Learning**, **17% on 3D Printing**, **10% on Advanced Materials**, **5% on Electronics and Sensors**, and **31% on multidisciplinary domains**.

The conference also emphasized global collaboration and research impact. International partnerships were strengthened through collaborations with institutions in Thailand, including NECTEC, Shinawatra University, and Maejo University. These collaborations facilitated the successful execution of offshore sessions and enhanced global academic exchange.

A key highlight of AMISE 5.0 is the publication outcome. More than **200 research papers are scheduled to be published in Taylor & Francis Conference Proceedings (Scopus Indexed)**, along with **25+ papers in reputed journals such as the Sigma Journal of Natural Science and Engineering**. This reflects the high quality of research presented during the conference.

Overall, AMISE 5.0 stands as a successful example of a **balanced hybrid international conference**, integrating online, offline, and offshore participation. The conference effectively promoted interdisciplinary research, innovation, and global collaboration, aligning with the vision of Industry 5.0. It provided a valuable platform for knowledge exchange and significantly contributed to advancing research and academic excellence in engineering and technology.



DAY 1 REPORT – AMISE 5.0 (ONLINE SESSION) **28th March 2026**

Day 1 of the **1st International Conference on Advanced Multidisciplinary Innovations in Science & Engineering for Industry 5.0 (AMISE 5.0 – 2026)** was successfully conducted on **28th March 2026 in online mode**, commencing at **10:00 AM** with a formal inaugural session. The event witnessed enthusiastic participation from academicians, researchers, industry professionals, and students from across the country and abroad, reflecting the global outreach and academic significance of the conference.

The inaugural session in online mode was graced by the esteemed presence of **Dr. M. Ravishankar**, Principal, DSATM, and **Dr. Carlo Santulli, Italy**, who served as the Chief Guest. Dr. Santulli is a **Professor (Associate) in Materials Science and Technology at the University of Camerino, Italy**, with over **three decades of international research experience**. He holds a Ph.D. in Materials Science and Technology and has made significant contributions in the fields of **natural fibre composites, sustainable materials, recycling technologies, and eco-friendly engineering solutions**. With an extensive publication record and global academic collaborations, he is widely recognized for his work in advancing sustainable materials aligned with Industry 5.0 principles.

In his inaugural address, **Dr. Carlo Santulli** emphasized the growing importance of **sustainability, interdisciplinary research, and the integration of advanced materials with intelligent engineering systems**. He highlighted the need for engineers and researchers to focus on **environmentally responsible innovations, circular economy practices, and global collaboration**, thereby inspiring participants to contribute towards meaningful and impactful research.

Following the inauguration, the conference proceeded with **technical paper presentation sessions conducted across 19 parallel online tracks**. A total of **171 research papers** were presented on Day 1, covering diverse thematic areas such as **Artificial Intelligence and Machine Learning, Additive Manufacturing (3D Printing), Advanced Materials, Electronics and Sensors, and multidisciplinary engineering applications**. The sessions were conducted efficiently using online platforms, ensuring smooth coordination and active engagement.

The successful execution of the technical sessions was made possible through the dedicated efforts of **session chairs, moderators, and student volunteers**. The session chairs, comprising experienced faculty members and domain experts, ensured academic quality by evaluating presentations and guiding discussions. Moderators effectively managed the flow of sessions by coordinating schedules, introducing speakers, and facilitating interactive discussions. Student volunteers played a crucial role in handling technical aspects such as managing virtual platforms, assisting presenters, and ensuring seamless communication, thereby contributing significantly to the overall success of the event.

The sessions were highly interactive, with participants actively engaging in discussions and question-and-answer sessions. This provided an excellent platform for **knowledge exchange, critical thinking, and collaborative learning**, reinforcing the multidisciplinary nature of the conference.

The Day 1 proceedings concluded with a **valedictory address delivered by Dr. M. V. Reddy, Canada (Quebec)**, a distinguished researcher in the field of advanced materials and energy



storage technologies. Dr. Reddy is associated as a **Senior Researcher at Hydro-Québec, Montreal**, and has extensive international research experience spanning over two decades. He obtained his Ph.D. in Materials Science and Engineering from the University of Bordeaux, France, and has made significant contributions to the development of **lithium-ion battery materials, nanotechnology, and sustainable energy systems**. He has authored over **200 research publications with high global citations**, establishing himself among leading researchers in energy-related materials.

In his valedictory address, Dr. M V Reddy appreciated the **excellent organization and seamless execution** of the online sessions and commended the quality of research presented by participants. He emphasized the importance of **innovation in energy storage, sustainable engineering practices, and interdisciplinary collaboration** to address global technological challenges. He also encouraged young researchers to focus on emerging areas such as **electric mobility, advanced materials, and clean energy technologies**.

In conclusion, Day 1 of AMISE 5.0 was highly successful, marked by **strong international participation, high-quality research presentations, and effective online coordination**. The insightful inaugural address by **Dr. Carlo Santulli** and the motivating valedictory speech by **Dr. M. V. Reddy** added significant academic and global value to the conference. The successful execution of the online sessions laid a strong foundation for the subsequent offline and offshore sessions, reaffirming DSATM's commitment to **academic excellence, innovation, and global collaboration**.

Outcomes

- Successful Global Participation with **171 online** paper presentations across **19 tracks**
- Strong Research Focus on AI & ML, Advanced Materials, and Additive Manufacturing
- Enhanced Knowledge Exchange through interactive technical sessions and discussions
- Promotion of Interdisciplinary Research aligned with Industry 5.0 concepts
- Exposure to International Expertise through keynote by **Dr. Carlo Santulli (Italy)**.
- Encouragement for Sustainable Engineering and eco-friendly innovations
- Effective Online Conference Management with seamless coordination
- Active Involvement of Faculty & Students in technical and organizational roles
- Motivation for Young Researchers towards emerging areas like energy storage, EVs, and smart systems
- Foundation for Hybrid Global Collaboration for upcoming sessions by **Dr. M V Reddy (Researcher, Hydro-Québec, Canada)**.



PHOTOGRAPHS - AMISE 5.0 (ONLINE SESSION) **28th March 2026**



Photographs of Dr. Carlo Santulli, Professor, Materials Science and Technology, University of Camerino, Italy



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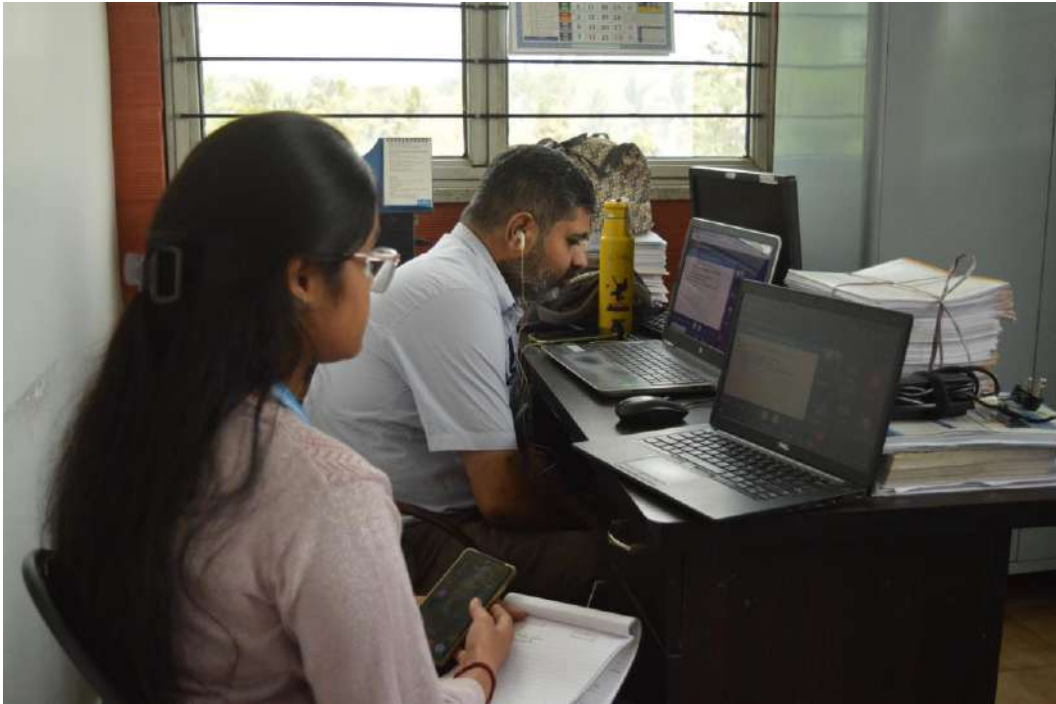
Photographs of **DSI Video** played in the **Inaugural of the online session of AMISE 5.0** on 28th March 2026.



Photographs of **Light Lamping** in the **Inaugural** of the online session of **AMISE 5.0** on 28th March 2026.



Photographs of **Light Lamping** in the **Inaugural** of the online session of **AMISE 5.0** on 28th March 2026.



Photographs of Faculty **Moderators** along with Student **Volunteers**, moderating the online sessions on 28th March 2026.



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Photographs of **AMISE 5.0 Conference Standees** in the **Mechanical Engineering Department** and in the **DSATM Auditorium**



Chiranth Prasad (Presenting, annotating)

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**1st International Conference on
"Advanced Multidisciplinary Innovations in Science
& Engineering for Industry 5.0 (AMISE 5.0)"**

Paper ID: 331

An Intelligent PDA Framework Leveraging Reinforcement Learning for Real-Time Task Monitoring and Reminders

Authors:
Chiranth P, Abhishek N Biradar, Pooja S Kiragi, Veeresh Angadi, Prof. Sandhya N
DSATM, Bengaluru

Presenting Author:
Chiranth P

Department of Mechanical Engineering, DSATM, Bengaluru

2:03 PM | AMISE 5.0 Online Track 9: Artifici...

Padmini Chandrashekar (Presenting, annotating)

1st International Conference on
"Advanced Multidisciplinary Innovations in Science
& Engineering for Industry 5.0 (AMISE 5.0)"

Paper ID: 295

Intelligent Content Filtering and Summarization Fra

Padmini C, Dr. Sheshappa S N
Sir. M. Visvesvaraya Institute of Technology, Bangalore
Visvesvaraya Institute of Technology, Belagavi

Presenting Author: Padmini C

Department of Mechanical Engineering, DSATM, Bengaluru

12:16 PM | AMISE 5.0 Online Track 9: Artifici...

Screenshots of the **Authors** presenting in **Online Mode** at the **AMISE 5.0 Conference** on **28th March 2026**



DAY 2 REPORT – AMISE 5.0 (OFFLINE SESSION) **30th March 2026**

An offline session of the **1st International Conference on Advanced Multidisciplinary Innovations in Science & Engineering for Industry 5.0 (AMISE 5.0 – 2026)** was successfully conducted on **30th March 2026** at Dayananda Sagar Academy of Technology and Management (DSATM) **Auditorium**, Bengaluru, bringing together academicians, researchers, industry experts, and students for a comprehensive knowledge-sharing platform.

The event commenced with a formal inauguration ceremony at 10.00 AM. The session was inaugurated by eminent dignitaries including **Dr. M. Ravishankar**, Principal, DSATM, **Dr. S. N. Omkar**, Chief Scientific Officer, IISc, and **Mr. Deepak M. K.**, CEO, Lakshya Space, **Dr. Nandini C**, Vice Principal, DSATM, **Dr. Sumithra Devi K. A.**, Dean – Academics, DSATM, **Dr. Santhosh N**, Professor and Head, Department of Mechanical Engineering, DSATM.

The proceedings initiated with the screening of Dayananda Sagar Institutions (DSI) video, after which **Dr. M. Ravishankar**, Principal DSATM delivered the welcome address. Following the traditional lamp-lighting ceremony—a symbol of knowledge and enlightenment, the dignitaries were facilitated and subsequently they addressed the gathering and shared their insights on innovation, interdisciplinary research, and the vital role of emerging technologies in today’s landscape.

In the inauguration program, **Dr. M. Ravishankar**, Principal, DSATM, highlighted the institution’s vision towards academic excellence and industry collaboration. **Dr. Nandini C** encouraged students to actively engage in such platforms to enhance their skills.

A key highlight was the expert talk by **Dr. S. N. Omkar**, who shared insights into advanced research in aerospace and computational intelligence. **Mr. Deepak M. K** provided valuable perspectives on opportunities in the space industry, startups, and future technological demands.

The inaugural session concluded with the vote of thanks by **Dr. Santhosh N**, Professor and Head, Department of Mechanical Engineering. **Dr. Nandini A. Pattanashetti**, Assistant Professor, Department of Chemistry hosted the event and **Dr. Pavani** and **Dr. Nikshepa** from Information Science and Engineering Department coordinated the backstage along with **Dr. Vinay D L**, from Mechanical Engineering Department. The inaugural session was followed with an engaging interaction between participants and speakers, fostering academic curiosity and professional awareness.

The inaugural session was followed by Keynote Address by **Dr. Venkateswaralu K**, Professor-Emeritus, Dayananda Sagar College of Engineering, Bengaluru, on Advanced Materials. This was followed by technical paper presentation sessions. A total of 105 research papers were presented across 21 specialized tracks, ensuring a broad coverage of emerging and core engineering domains. The presentations were systematically organized into parallel sessions, each chaired by domain experts who facilitated discussions, evaluated presentations, and provided valuable technical feedback. The offline format enabled effective knowledge exchange, fostering better clarity, collaboration, and networking among participants.

The tracks encompassed diverse areas such as Artificial Intelligence and Machine Learning, Smart Manufacturing, Robotics and Automation, Additive Manufacturing, Thermal Engineering, Design Engineering, Composite Materials, Electric and Hybrid Vehicles, Aerospace Engineering, Data Science, Internet of Things (IoT), Cyber-Physical Systems, Renewable Energy, Mechatronics,



Computer Vision, Structural Analysis and FEM, Product Design, Sustainable Engineering, Advanced Materials, Industrial Engineering, and Emerging Technologies. Each track witnessed high-quality presentations reflecting current research trends and innovative solutions.

The sessions were highly interactive, with active participation during question-and-answer segments, enabling presenters to receive constructive insights and suggestions from experts. The offline engagement significantly enhanced the depth of discussions and encouraged collaborative thinking. Overall, Day 2 successfully achieved its objective of promoting research dissemination, technical excellence, and academic-industry interaction, making it a crucial component of the two-day event.

Outcomes:

- **Enhanced Technical Knowledge** through exposure to latest trends in AI, manufacturing, energy, and emerging technologies
- **Successful Presentation of 105 Research Papers** across **21 specialized tracks**
- **Promotion of Interdisciplinary Research** aligned with Industry 5.0 concepts
- **Strengthened Academic–Industry Interaction** through expert talks and discussions
- **Improved Research Quality** through feedback from session chairs and domain experts
- **Hands-on Learning Experience** via offline engagement and direct interaction
- **Development of Presentation & Communication Skills** among participants
- **Increased Awareness of Career Opportunities** in research, industry, and startups
- **Effective Networking & Collaboration Opportunities** among institutions and researchers
- **Encouragement for Innovation and Problem-Solving Approach**
- **Boost in Student Confidence and Professional Exposure**
- **Reinforcement of Research Culture at DSATM**



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PHOTOGRAPHS OF DAY 2 – AMISE 5.0 (OFFLINE SESSION)

30th March 2026



DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT
(Autonomous institute under VTU. Approved by AICTE & UGC, Accredited by NAAC A+ Grade)
Bengaluru – 560082, Karnataka

INAUGURAL PROGRAMME
International Conference on
Advanced Multidisciplinary Innovations in
Science & Engineering for Industry 5.0
(AMISE 5.0 - 2026)

30th March 2026 | 10:00 AM
Auditorium, DSATM, Bengaluru

<p><i>Chief Guest</i></p> <p>Dr. S.N Omkar Chief Research Scientist Department of Aerospace Engineering Indian Institute of Science, Bengaluru</p>	<p><i>Guest of Honour</i></p> <p>Mr. Deepak M K Founder & CEO, Lakshya Space, Bengaluru</p>
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• CHIEF PATRONS •

<p>Dr. D. Hemachandra Sagar Chairman, DSI</p>	<p>Dr. D. Premachandra Sagar Vice Chairman, DSI</p>	<p>Sri. Galiswamy Secretary, DSI</p>
<p>Mrs. Tintisha H Sagar Joint Secretary, DSI</p>	<p>Mr. Rohan P Sagar Joint Secretary, DSI</p>	<p>Mr. Nishan H Sagar Joint Secretary, DSI</p>

• PATRONS •

<p>Dr. Ravishankar M Principal</p>	<p>Dr. Nandini C Vice Principal</p>	<p>Dr. Sumithra Devi K A Dean - Academics</p>
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• Organized By •

Department of Mechanical Engineering
Dayananda Sagar Academy of Technology and Management
DSATM Bengaluru

Invitation of the Program



Photographs of our honourable Principal **Dr. M Ravishankar** guiding the dignitaries to the **Auditorium** for the inauguration of the offline session of **AMISE 5.0 Conference** on **30th March 2026**



Photographs of august gathering during the inauguration of the **AMISE 5.0 Conference** on **30th March 2026**



Photographs of the **Introduction and Screening of DSI Video** in the Auditorium



Photographic Collage of the Welcoming our esteemed Principal **Dr. M Ravishankar** to the inauguration program.



Photograph of **Invocation and Lamp Lighting**



Photograph of Felicitation of Chief Guest **Dr. S N Omkar**, (Chief Research Scientist, IISc)



Photograph of Felicitation of Guest of Honour, **Deepak M K**, (Founder and CEO, Lakshya Space)



Photograph of the **dignitaries on the dais**



Photograph of the release of the **book of abstracts**



Photograph of the address by Chief Guest **Dr. S N Omkar**, (Chief Research Scientist, IISc)



Photograph of the address by Guest of Honour, **Deepak M K**, (Founder and CEO, Lakshya Space)



Photograph of the felicitation to **Dr. M Ravishankar**, Principal, DSATM



Photograph of the felicitation to **Dr. Nandini C**, Vice Principal, DSATM



Photograph of the felicitation to **Dr. Sumithra Devi K A**, Dean-Academics, DSATM



Photograph of the **session chairs** in front of the standee in the DSATM Auditorium



Photograph of the authors **presenting the paper** and **session chairs** evaluating the presentation.



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Photograph of the authors **presenting the paper** and **session chairs** evaluating the presentation.



REPORT – AMISE 5.0

(OFFSHORE SESSION-BANGKOK, THAILAND)

31st March 2026 to 3rd April 2026

The offshore segment of the **1st International Conference on Advanced Multidisciplinary Innovations in Science & Engineering for Industry 5.0 (AMISE – 5.0, 2026)** was successfully conducted in Thailand from **31st March 2026 to 3rd April 2026**. This international extension of the conference provided a global platform for knowledge exchange, research dissemination, and academic collaboration.

The offshore conference featured **3 specialized tracks**, under which a total of **27 research papers** were presented by participants from diverse institutions. These presentations highlighted advancements in multidisciplinary domains including Artificial Intelligence, advanced manufacturing, materials engineering, and emerging technologies aligned with Industry 5.0.

The session was graced by **Mr. Pornthep SriNarula (Paul Narula)**, a renowned Motivator, Innovator, and Influencer, as well as a Holistic Healing, Health, and Vegan Educator based in Bangkok, Thailand. His address focused on the importance of holistic well-being, sustainable living, and the integration of health-conscious practices with modern technological advancements, inspiring participants to adopt a balanced and mindful approach in both personal and professional domains.

The session was further enriched by the presence of **Dr. Prakash Bhuyar**, Assistant Dean and Research Director at **Maejo University**, Chiang Mai, Thailand. He delivered an insightful talk on international research collaboration, advancements in agricultural and multidisciplinary research, and the importance of innovation-driven education. His interaction provided valuable perspectives on global research trends and opportunities for academic partnerships.

Additionally, **Dr. Raju Botta**, Researcher at **NECTEC (National Electronics and Computer Technology Center)**, **NSTDA (National Science and Technology Development Agency)**, Thailand, addressed the gathering and shared his expertise in advanced technologies, electronics, and computational research. He emphasized the role of cutting-edge research institutions like NECTEC in driving technological innovation and fostering industry–academia collaboration.

The session witnessed active participation from delegates, researchers, and faculty members, with engaging discussions and knowledge exchange. The presence of such eminent speakers significantly enhanced the academic value of the offshore conference, providing participants with global exposure and insights into emerging interdisciplinary domains.

A major highlight of the offshore conference was the strengthening of global academic partnerships through the signing of **Memorandums of Understanding (MoU's)** with reputed international institutions. The MoU's were established with:

- **NECTEC (National Electronics and Computer Technology Centre), NSTDA (National Science and Technology Development Agency), Thailand**
- **Maejo University, Thailand**

These collaborations aim to promote joint research, faculty and student exchange programs, and international academic cooperation.



As part of the academic visit, delegates had the opportunity to visit **NECTEC, NSTDA**, one of Thailand's premier research organizations, where they gained insights into cutting-edge developments in electronics, computing technologies, and innovation-driven research. Additionally, institutional visits were organized to:

- **Thammasat University, Thailand**
- **Shinawatra University, Thailand**

These visits provided exposure to international academic infrastructure, research ecosystems, and best practices in higher education and innovation.

The offshore conference not only enhanced the global outreach of DSATM but also created avenues for long-term collaboration, interdisciplinary research, and international academic engagement. Participants gained valuable exposure to global research trends, industry expectations, and cross-cultural academic environments.

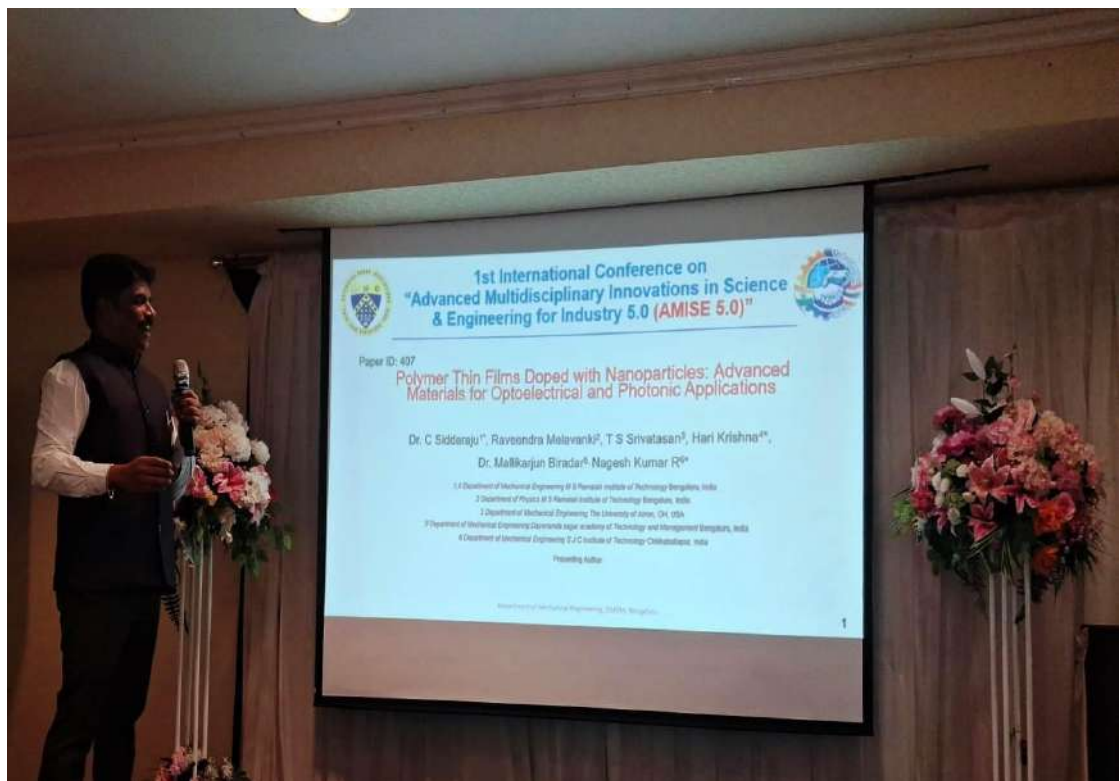
Overall, the offshore session in Thailand was a significant success, contributing to the internationalization of the conference and reinforcing DSATM's commitment toward global excellence in education and research.

Outcomes:

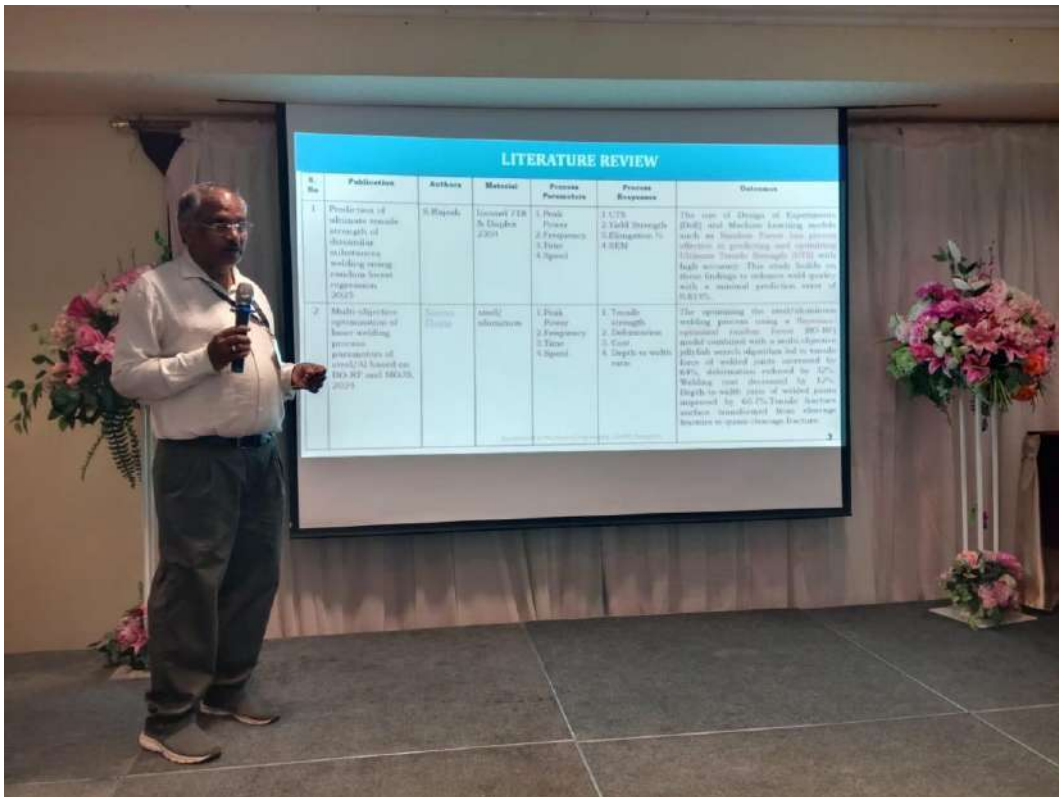
- Enhanced **international collaboration** through MoU's with NECTEC (NSTDA), and Maejo University.
- Strengthened **global academic networking** among researchers, faculty, and industry experts.
- Provided **international exposure** to participants through offshore paper presentations (27 papers across 3 tracks).
- Facilitated **knowledge exchange on emerging technologies** such as AI, advanced manufacturing, and interdisciplinary research.
- Improved understanding of **global research trends and innovation ecosystems** through expert talks and interactions.
- Gained insights into **advanced research infrastructure** during visits to NECTEC, Thammasat University, and Shinawatra University.
- Promoted **industry–academia collaboration**, especially in electronics, computing, and multidisciplinary engineering domains.
- Encouraged **joint research initiatives, publications, and academic exchange programs** with international institutions.
- Developed awareness of **holistic and sustainable practices** through expert sessions (health, innovation, and lifestyle integration).
- Strengthened **DSATM's global presence and reputation** in international academic and research communities.
- Enabled participants to build **professional connections and future collaboration opportunities**.
- Contributed to the **successful international extension of AMISE – 5.0**, making it a truly global conference.



Photograph of the Conference conducted at **Bangkok, Thailand.**



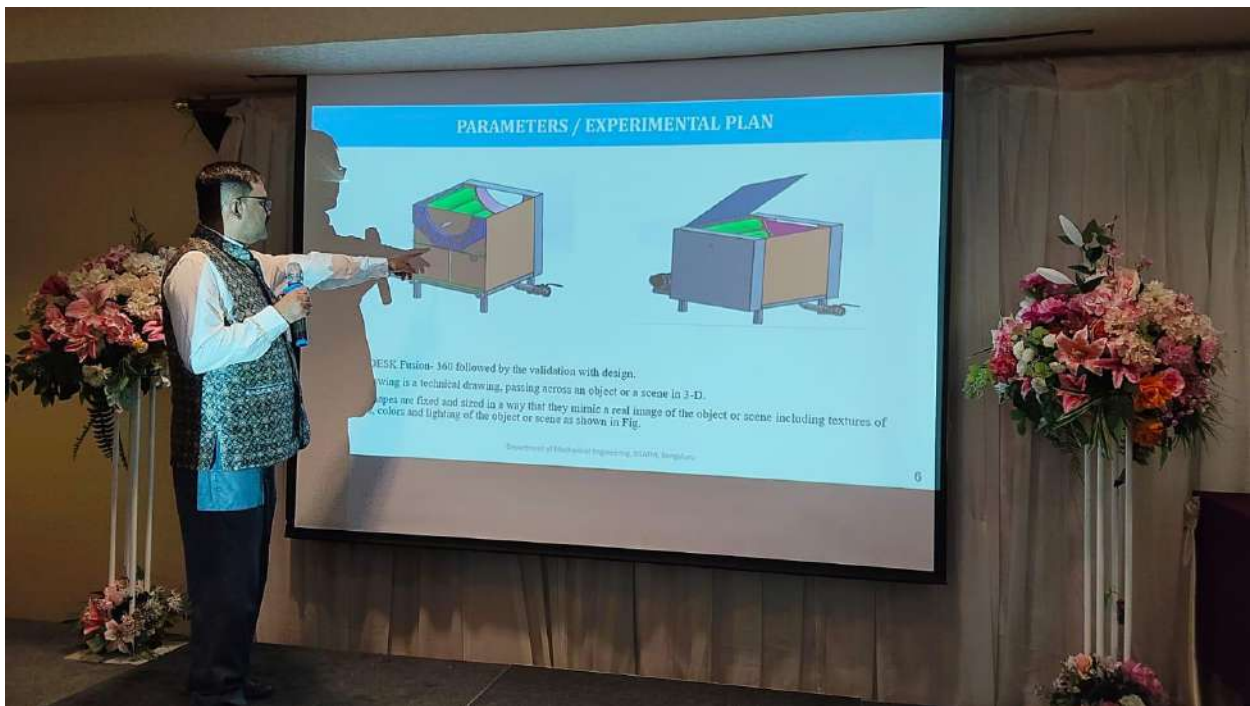
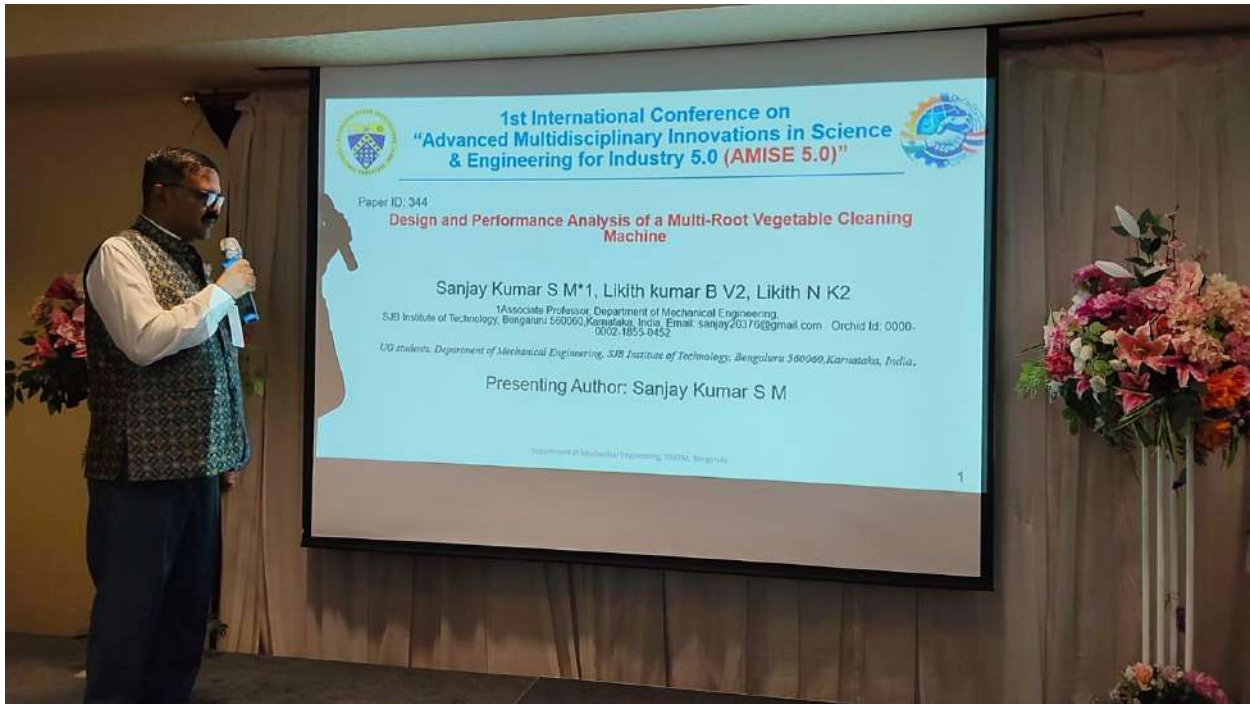
Photograph of the authors presenting their paper at **Bangkok, Thailand**.



Photograph of the **Dr. Mallikarjun Biradar** presenting his paper at **Bangkok, Thailand**.



Photograph of the **Dr. Rajanish M** presenting his paper at **Bangkok, Thailand**.



Photograph of the **Dr. Sanjay S M**, Director - R&D, from SJBIT presenting his paper in AMISE 5.0 Conference template with DSI logo at **Bangkok, Thailand**.



Photograph of the MoU signing between **Dr. Prakash Bhuyar**, Assistant Dean, Maejo University and **Dr. Sandhya N**, Professor and Head-AIML, DSATM.



Photograph of the **Dr. Mallikarjun Biradar**, Professor-ME, DSATM handing over the appreciation certificate to **Dr. Prakash Bhuyar** from Maejo University.



Photograph of the visit by **DSATM faculty members** to Shinawatra University and Thammasat University.



Photograph of the signing of MoU between **Dr. Nandini C**, Vice Principal, Professor and Head, **Computer Science & Engineering, DSATM** and **Dr. Raju Botta**, **NESTEC, Thailand**.



Photograph of the signing of MoU between **Dr. Santhosh N**, Professor and Head, and **Dr. Mallikarjun Biradar**, Professor, **Department of Mechanical Engineering, DSATM** and **Dr. Raju Botta**, **NESTEC, Thailand**.



Photograph of the Exchange of the MoU's



Concluding remarks by **Dr. Mallikarjun Biradar**, Professor-ME, DSATM, at NESTEC, Thailand.



FEEDBACK FORMS

The AMISE 5.0 conference witnessed overwhelming feedback with a total of **298 responses**, reflecting its strong academic reach and credibility. A significant proportion of contributors were **authors (65.1%) and co-authors (28.5%)**, highlighting the conference's primary focus on research dissemination and scholarly engagement. The diversity of participation extended beyond the host institution, showcasing a wide spectrum of institutions across India and even international representation, thereby reinforcing the conference's growing global footprint.

One of the most notable aspects of AMISE 5.0 was the **broad institutional participation beyond Karnataka**. While institutions from Karnataka such as Dayananda Sagar Academy of Technology and Management, BGS Institute of Technology, and Nitte Meenakshi Institute of Technology were well represented, there was also strong participation from **outside Karnataka**, including reputed institutions like **SRM Institute of Science and Technology**, and **Rajalakshmi Engineering College (Chennai)**, **Kamaraj College of Engineering and Technology**, **Kalasalingam Academy of Research and Education (South India)**, and **Amity University (North India)**. Furthermore, the presence of participants from **international institutions such as the University of Washington** demonstrates that AMISE 5.0 has successfully expanded its reach to a **global academic audience**, elevating its status from a national to an emerging international conference platform.

The outreach pattern clearly indicates that **57% of participants came through peer and colleague references**, which reflects the strong academic reputation and trust associated with the conference. This organic mode of dissemination is often a hallmark of high-quality conferences, where prior participants and academic networks play a key role in expanding reach beyond geographical boundaries.

In terms of feedback, AMISE 5.0 achieved **exceptionally high satisfaction ratings across all evaluation parameters**, indicating outstanding execution and participant experience. The **overall organization of the conference received a remarkable 71.1% of respondents rating it as excellent (5/5)**, with an additional 19.8% rating it as very good. Similarly, the **quality of technical sessions also recorded 71.1% excellent ratings**, demonstrating the strength of the technical content and the relevance of the research presented.

The **relevance of topics covered**, which included cutting-edge areas such as Artificial Intelligence, Machine Learning, Industry 5.0, sustainable materials, and smart systems, received **70.8% excellent ratings**, confirming that the conference successfully aligned with current global research trends. The **keynote and invited talks**, which are often a defining feature of international conferences, were also highly appreciated, with **70.8% of participants rating them as excellent**, indicating the presence of knowledgeable and impactful speakers.

Another strong indicator of success is the **registration process**, which received the highest appreciation among all parameters, with **75.5% of respondents awarding it a 5/5 rating**. This reflects the efficiency, transparency, and user-friendliness of the conference management system. Additionally, aspects such as **venue and facilities (71.5% excellent ratings)** and **time management (70.5% excellent ratings)** further reinforce that the event was meticulously planned and executed.

The research contributions presented at AMISE 5.0 also highlight its interdisciplinary and forward-looking nature. A majority of papers focused on **AI-driven applications, IoT systems,**



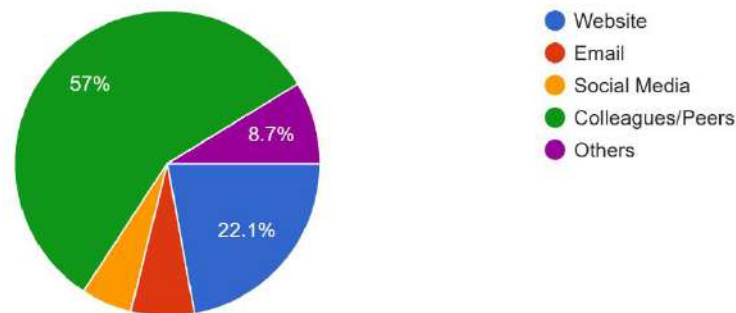
healthcare innovations, smart agriculture, advanced materials, and sustainable engineering solutions, which are globally relevant domains. This diversity not only attracted participants from multiple regions but also contributed to the conference’s **international appeal and academic significance**.

In conclusion, AMISE 5.0 stands out as a **highly successful and impactful conference**, characterized by **strong national and international participation, excellent feedback ratings exceeding 70% in most categories, and high-quality research contributions**. The inclusion of participants from outside Karnataka and international universities significantly enhances its reputation as a **globally relevant academic platform**. With continued focus on expanding international collaborations and outreach, AMISE has the potential to evolve into a **premier international conference in the field of emerging technologies and interdisciplinary research**.

Questionnaire and Responses from Feedback form

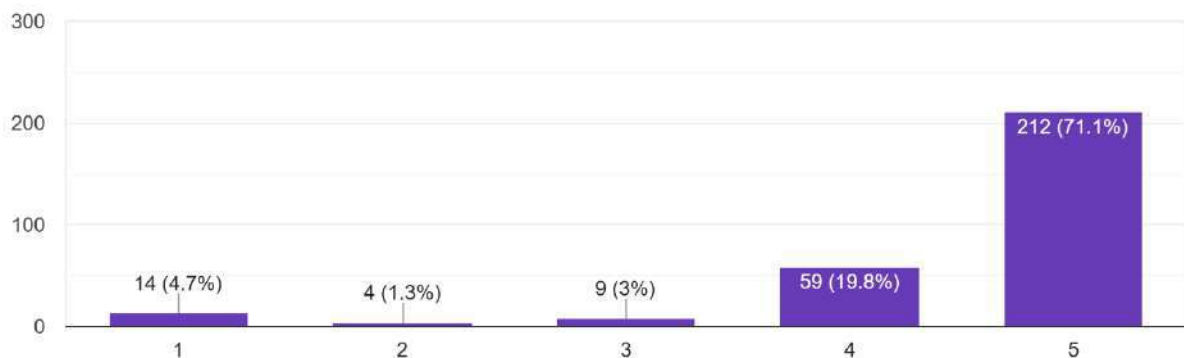
How do you come to know about AMISE 5.0?

298 responses



Overall Organization of the Conference

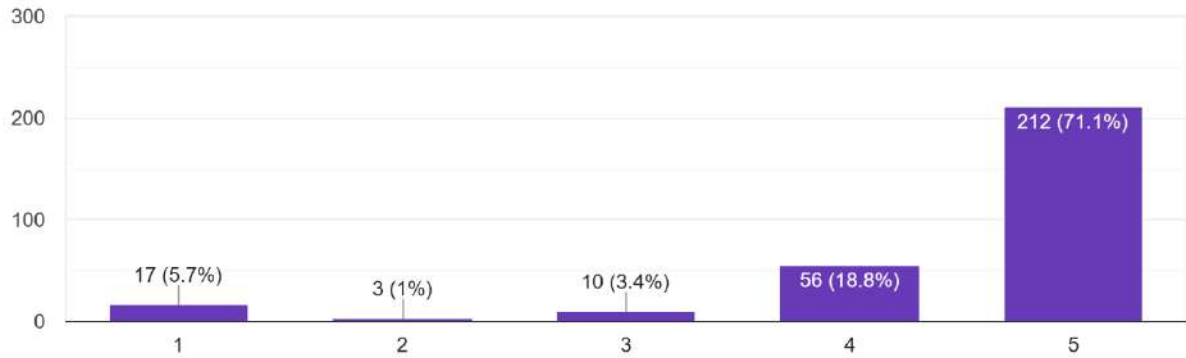
298 responses





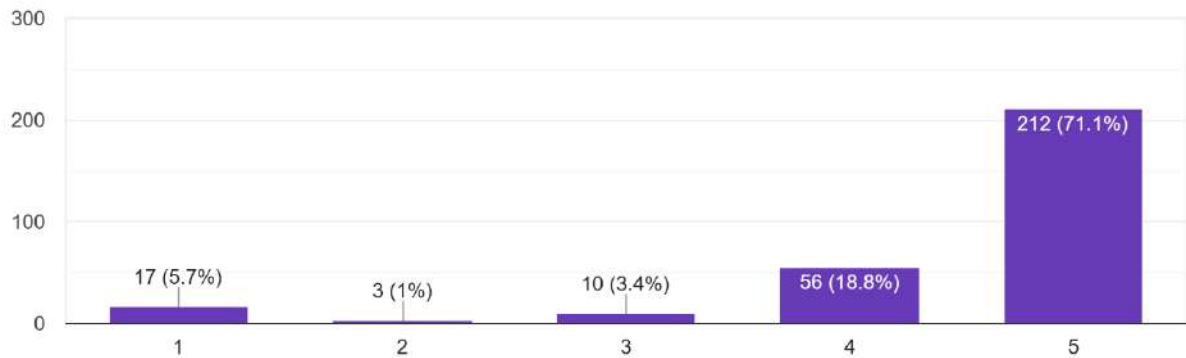
Quality of Technical Sessions

298 responses



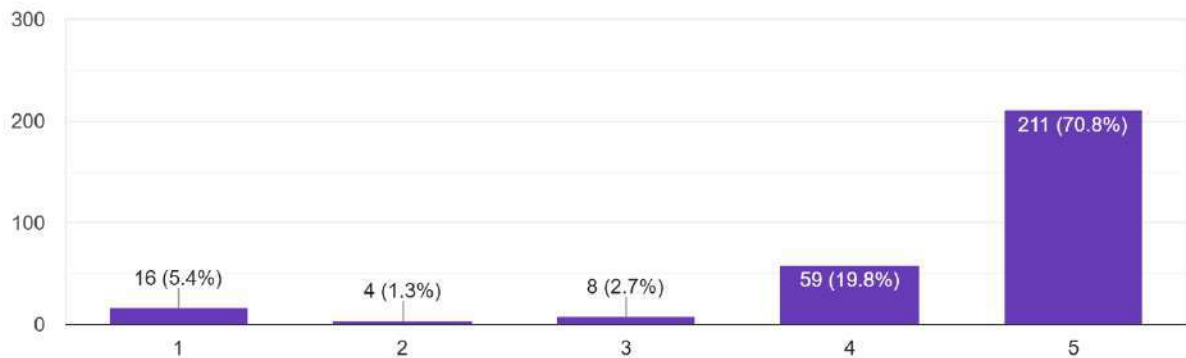
Quality of Technical Sessions

298 responses



Relevance of Topics Covered

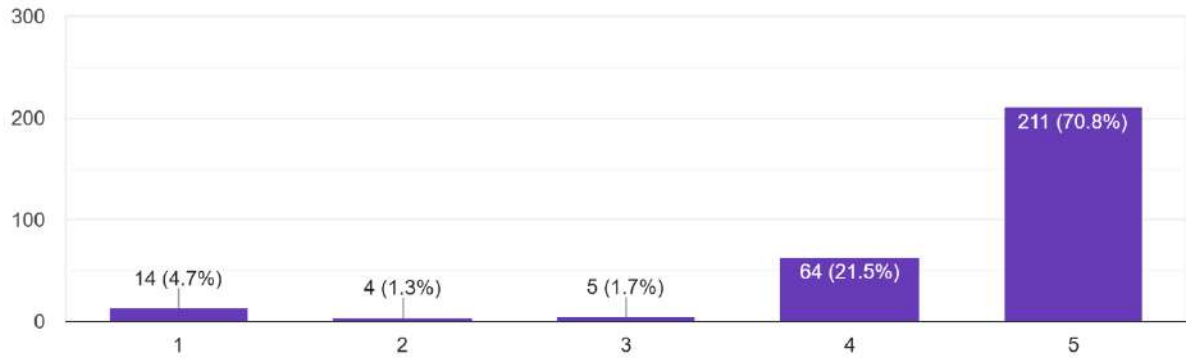
298 responses





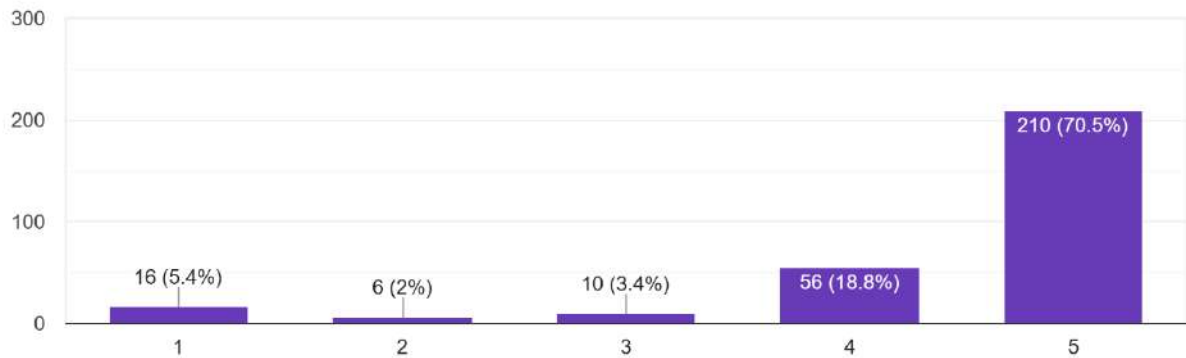
Keynote/Invited Talks Quality

298 responses



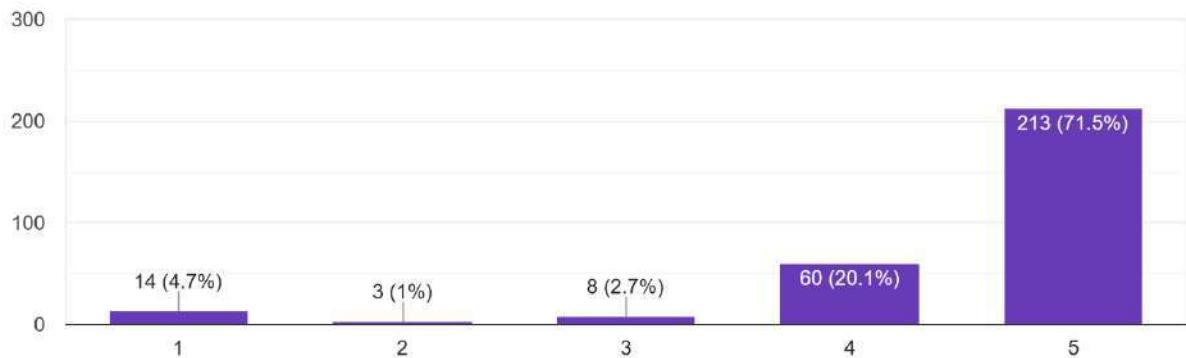
Time management of sessions

298 responses



Conference Venue and Facilities

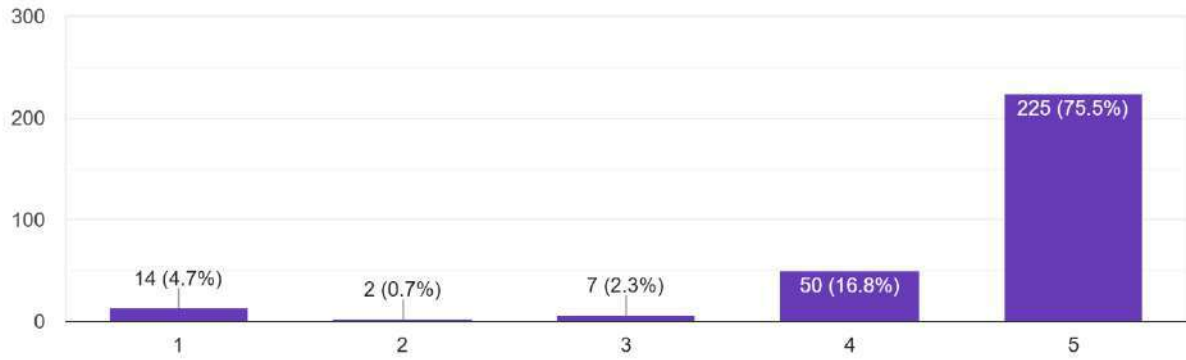
298 responses





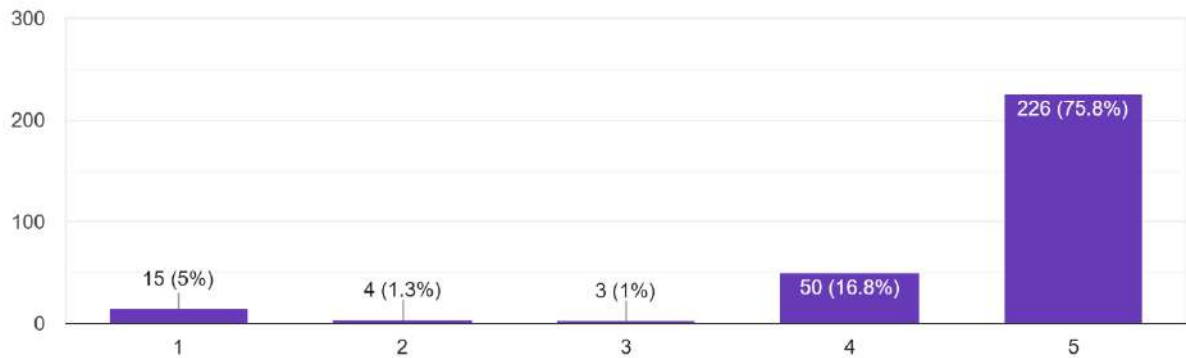
Registration Process Experience

298 responses



Communication & Coordination by Organizing Team

298 responses





DEPARTMENT OF MECHANICAL ENGINEERING

1st International Conference on Advanced Multidisciplinary Innovations in Science & Engineering for Industry 5.0 (AMISE 5.0 – 2026)

COMMITTEE MEMBERS

Sl No	Name of the Responsible Person	Roles & Responsibility
1	Dr. Deepak Kumar B N Dr. Vijayavardhana C	Session Co-ordinators Contact & co-ordinating with session chairs to look after all the tracks (Projector, Mic etc), Collect the participants list from the publication co-ordinator
2	Dr. Vinay D L Mr. Ramesh & Mr. Gaviraju	Organizing co-ordinator Stage arrangements including Lighting the Lamp, water bottle, Nameboard, Inauguration, Valedictory, best paper award distribution, Stage Decoration
3	Dr. Ashok Kumar M S Dr. Ramakrishnaiah	Publication co-ordinator To look after all the publication process, contact the reviewer & completion of paper reviewing process, preparation of the participant list
4	Dr. Abhinav	Keynote Speaker Arrangements Contact Guest & Keynote speaker, certificate write up & distribution
5	Prof. Shivaprakash K S Prof. G K Vinay Kumar	Travel arrangements To & fro Transportation arrangements for guest & session chair, coupon distribution for food & high tea
6	Prof. Ujwal U Prof. Abhishek H A Mr. Dayanand Y K Mr. Narasimha	Participant Registration, Kit distribution & hospitality
7	Dr. Ramakrishnaiah	Flow of the programme