



An Autonomous Institute
Report on
PROJECT EXPO 2026

The Project Expo 2026 is a flagship academic and innovation event organized by MVJ College of Engineering (MVJCE). It provides a dynamic platform for young innovators to showcase their ideas, projects, and working prototypes developed across diverse engineering disciplines. The event promotes creativity, interdisciplinary collaboration, and solution-oriented thinking aligned with emerging and cutting-edge technologies.

The Project Expo was conducted on **9th May 2026** from 10:00 AM onwards in Dr. M V Jayaraman Auditorium, MVJ College of Engineering. Structured into three major streams—Mechanical Sciences, Computer Sciences, and Electrical Sciences—the Expo ensures systematic categorization and expert evaluation of projects. With participation from multiple institutions across Karnataka and neighbouring states, the event fosters healthy competition, encourages experiential learning, and cultivates an innovation-driven culture among students.

The Project Expo 2026 commenced with a formal welcome address, marking the beginning of the event by warmly inviting the dignitaries, faculty members, students, participants, judges, industry experts, and guests. The event, themed **“Youth and Innovation: Building Modern India,”** set the tone for a day dedicated to innovation, creativity, and technical excellence.

The Chief Guest for the occasion was Dr. Rishikesh Krishna, Former Director of IIM Bangalore. The event was further honoured by the presence of Padma Bhushan Dr. B. N. Suresh, Chairman and Chancellor of IIST, Trivandrum, and Chairman of the Board of Governors, MVJCE.

The inaugural session was also graced by several eminent personalities, including Dr. D. K. Singh, Director of the Human Space Flight Centre, ISRO; Ms. Anita, Partner at Future Now Consulting, IBM Consulting, Bangalore; and Dr. Bala Bharadwaj, Former Managing Director of the Boeing Engineering and Technology Center in India.

In addition, Members of the Board of Governors, Prof. B. N. Raghunandan, Former Dean of Engineering, IISc, and Dr. Ramachandra, Former Director of GTRE, were present at the event.

The presence of such distinguished dignitaries added great value to the occasion and served as a source of inspiration for the participants. The welcome address conveyed sincere gratitude for their presence and emphasized the significance of the Project Expo as a platform for fostering innovation and promoting youth-driven technological development.

Following the welcome address, the event proceeded with an invocation song, invoking a sense of positivity and marking an auspicious beginning to the proceedings.



Fig. 1. Invocation Song by students

This was followed by the traditional lighting of the lamp by the dignitaries, symbolizing the dispelling of ignorance and the spread of knowledge.



Fig. 2. Lighting of the lamp by Dr. B N Suresh, Dr. Rishiksha Krishnan, Prof. Raghunandan, Dr. Ajayan K R, Dr. Brindha M.

The Principal, Dr. Ajayan K. R, delivered the welcome address, extending warm greetings to the dignitaries, members of the Board of Governors, faculty, students, and participants.

In his address, he emphasized the significance of Project Expo 2026 as a flagship biannual event that celebrates innovation and technical creativity among students. He noted that the theme, “Youth and Innovation: Building Modern India,” reflects the institution’s vision of nurturing ideas that contribute to national progress.



Fig. 3. Welcome address by Dr. Ajayan K R, Principal, MVJCE

As part of the felicitation ceremony, Dr. Ajayan K. R, Principal, MVJCE, presented a bouquet to Padma Bhushan Dr. B. N. Suresh, as a token of respect and gratitude followed by Padma Bhushan Dr. B. N. Suresh presenting a bouquet to the Chief Guest, Dr. Rishikesha Krishnan, as a mark of appreciation and a warm welcome to the event.



Fig. 4. Felicitation of Padmabhushan Dr. B N Suresh and Dr. Rishikesha Krishnan

As part of the inaugural proceedings, a book titled “**Engineering Tomorrow: a compendium of Youth Innovations**” was formally released by Dr. Rishikesha Krishnan, Padma Bhushan Dr. B. N. Suresh, and Dr. Ajayan K. R. The publication showcases the creativity, technical expertise, and problem-solving capabilities of the young innovators participating in Project Expo 2026. It brings together details of the diverse projects exhibited across various engineering disciplines, reflecting innovative ideas and highlighting the remarkable talent and ingenuity of the participants.



Fig. 5. Release of Book - “Engineering Tomorrow: a compendium of Youth Innovations” by Padma Bhushan Dr. B N Suresh, Dr. Rishiksha Krishnan and Dr. Ajayan K R

Dr. Brindha M, Dean – Administration, introduced Padma Bhushan Dr. B. N. Suresh as a distinguished aerospace engineer with exceptional contributions to space technology, particularly in launch vehicle development, navigation, control systems, and aerospace engineering. She highlighted his illustrious career, including his tenure as Director of the Vikram Sarabhai Space Centre and Founding Director of the Indian Institute of Space Science and Technology (IIST). A former Member of the Space Commission, he has also served in academic and leadership roles at premier institutions and has received numerous national and international recognitions, including the Padma Shri and Padma Bhushan. Currently serving as Chairman of the Board of Governors at MVJ College of Engineering, his visionary leadership continues to guide the institution’s growth, innovation, and academic excellence.



Fig. 6. Dr. Brindha M introducing Padmabhushan Dr. B N Suresh

Padma Bhushan Dr. B. N. Suresh addressed the gathering, highlighting the significance of Project Expo as a flagship initiative aimed at fostering innovation and practical learning among students, highlighting its growth from a modest beginning in 2019 to a large-scale event with wide participation across states. He noted that the Expo represents months of dedicated effort and provides a platform to showcase over 60 innovative projects, reflecting the creativity, technical competence, and problem-solving abilities of young minds. Stressing the importance of innovation in nation-building, he aligned his thoughts with the vision of *Viksit Bharat 2047*, identifying the next two decades as a golden era for India's growth in science, technology, and entrepreneurship. He drew attention to national missions such as semiconductor development, quantum technologies, and green hydrogen, which offer immense opportunities for students. Encouraging students to think beyond conventional career paths, he highlighted the need to develop original ideas, embrace entrepreneurship, and contribute toward self-reliance and technological advancement. He concluded by inspiring students to actively engage with such platforms, collaborate across disciplines, and contribute meaningfully towards building a modern and innovative India.



Fig. 7. Padmabhushan Dr. B N Suresh addressing the gathering

Following his address, Padma Bhushan Dr. B. N. Suresh was felicitated by Dr. Ajayan K. R., Principal, MVJCE, with the presentation of a *ponnadai* and a memento as a token of respect and gratitude.



Fig. 8. Dr. Ajayan K R, Principal MVJCE felicitating Padmabhushan Dr. B N Suresh

This was followed by the inaugural address by the Chief Guest, Dr. Rishikesha Krishnan, Former Director, IIM Bangalore. Dr. Rishikesha Krishnan, addressed the gathering by emphasizing the importance of innovation as a systematic and structured process, particularly in transforming ideas into successful startups. He highlighted that many organizations struggle with innovation due to challenges such as lack of a strong idea pipeline, ineffective development processes, and low conversion of ideas into impactful solutions. Shifting focus to young innovators, he stressed the importance of identifying the right problems to solve, guided by the concepts of “pain, wave, and waste.” He illustrated this through practical examples from startups and real-world applications, demonstrating how meaningful problem selection leads to impactful innovation. He further emphasized the need to align technology with market needs, adopt continuous experimentation, and validate ideas through practical testing. Encouraging students to immerse themselves in real-world challenges and think critically, he concluded by inspiring them to pursue innovation with purpose, adaptability, and a strong problem-solving mindset to create impactful solutions.

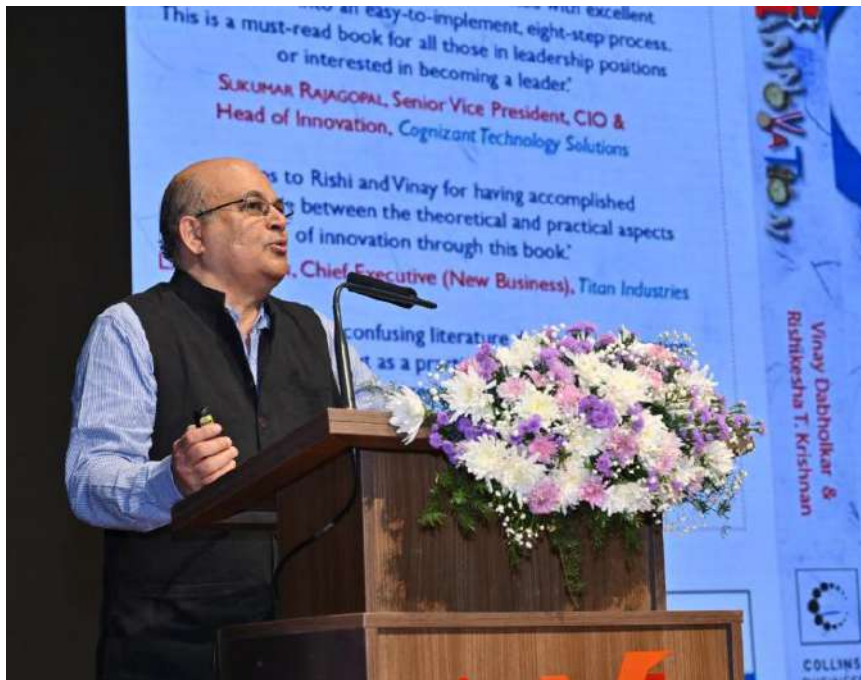


Fig. 9. Dr. Rishikesha Krishnan delivering the inaugural address

As part of the felicitation ceremony, Dr. Ajayan K. R., Principal, MVJCE, felicitated the Chief Guest, Dr. Rishikesha Krishnan, by presenting a *ponnadai* and a memento as a token of gratitude and appreciation for his valuable presence and contribution to Project Expo 2026.



Fig. 10. Dr. Ajayan K R, Principal, MVJCE felicitating Dr. Rishikesha Krishnan

The event had three invited talks by **Dr. D. K. Singh**, Director, Human Space Flight Centre, ISRO, **Ms. Anita**, Partner, Future Now Consulting, IBM Consulting, Bangalore, **Dr. Bala Bharadwaj**, Former Managing Director, Boeing Engineering and Technology Center in India.

Dr. Brindha M, Dean – Administration, presented a bouquet to the speaker Dr. D K Singh as a token of respect.



Fig. 11. Dr. Brindha M, Dean - Administration presenting a bouquet to Dr. D K Singh

The first talk was delivered by Dr. D. K. Singh, Director, Human Spaceflight Centre, ISRO, on the topic “Emerging Technologies which Shape and Build Modern India.” In his talk, he emphasized the role of emerging technologies in achieving the vision of *Viksit Bharat 2047*, highlighting its four key pillars—youth as drivers of change, women as enablers of empowerment, and the upliftment of the poor and farmers for inclusive national development. He discussed key technological domains such as financial inclusion, healthcare, energy, infrastructure, and national security, and explained how innovations like UPI, artificial intelligence, satellite technologies, and data-driven systems are transforming governance and societal progress. He further highlighted advancements in sustainable energy technologies, including green hydrogen, biomass, and efficient energy storage systems such as batteries and superconducting storage, which are critical for future power management. Drawing from ISRO’s contributions, he illustrated the role of space-based technologies in agriculture, healthcare, and energy forecasting. He also stressed the importance of strengthening defence technologies and self-reliance for national security, identifying them as key enablers for a developed India. Encouraging students to focus on solving real-world challenges, he urged them to align technological innovations with societal needs and contribute towards building a self-reliant, technologically advanced, and sustainable nation.



Fig. 12. Dr. D K Singh delivering the expert talk on “Emerging Technologies which Shape and Build Modern India”

As part of the felicitation ceremony, Prof. B N Raghunandan felicitated Dr. D. K. Singh by presenting a *ponnadai* and a memento as a token of gratitude and appreciation for his valuable talk and insightful contribution to Project Expo 2026.



Fig. 13. Dr. B N Raghunandan felicitating Dr. D K Singh

Dr. Salim, Dean – Research and Development, presented a bouquet to the speaker Ms. Anita as a token of respect.



Fig. 14. Dr. Salim, Dean – Research and Development presenting a bouquet to Ms. Anita

The second talk was delivered by Ms. Anita, Partner, Future Now Consulting, IBM Consulting, Bangalore, on the topic “The Future Scientific and Technological Skills to Meet Viksit Bharat 2047 – Building India’s Talent for an AI-Powered Inclusive Future.” She highlighted that the next two decades represent a golden era for India’s growth and urged students to see themselves as key contributors to this transformation. Referring to the four pillars of *Viksit Bharat 2047*—youth, women, the poor, and farmers—she emphasized the critical role of talent development in achieving national progress. She stressed that future success depends not merely on securing jobs but on acquiring relevant skills, encouraging students to shift from a job-oriented mindset to a skill-oriented approach. She discussed the growing importance of artificial intelligence, explaining that AI should be seen as a collaborator rather than a replacement for human capabilities, and emphasized the need for continuous learning, adaptability, and innovation. She also highlighted emerging areas such as AI, data science, cloud computing, and cybersecurity, urging students to develop interdisciplinary skillsets that combine technical expertise with domain knowledge. Encouraging students to build careers in India and contribute to its innovation ecosystem, she motivated them to identify real-world problems, embrace experimentation, and continuously upskill to remain relevant in an AI-driven, inclusive future.



Fig. 15. Ms. Anita delivering the expert talk on “The Future Scientific and Technological Skills to Meet Viksit Bharat 2047”

As part of the felicitation ceremony, Dr. K Ramachandra felicitated Ms. Anita by presenting a ponnadai and a memento as a token of gratitude and appreciation for her valuable talk and insightful contribution to Project Expo 2026.



Fig. 16. Dr. K Ramachandran felicitating Ms. Anita

Following the two invited talks, the dignitaries proceeded to visit the Project Expo stalls for the inauguration of the exhibition, where a wide range of innovative student projects were displayed.



Fig. 17. Dr. Rishikesha Krishnan inaugurating the exhibition of Project Expo stalls

The dignitaries interacted with participants, observed the working models, and appreciated the creativity, technical skills, and problem-solving approaches demonstrated by the students.





Fig. 18. Students explaining their projects in the project stalls to all the dignitaries

The event resumed in the afternoon session after lunch, beginning with the formal welcome of Dr. Bala Bharadwaj, Former Managing Director, Boeing Engineering and Technology Centre in India. Dr. Shrinivas L. Gombi, Dean – Academics, presented a bouquet to the speaker as a token of respect.



Fig. 19. Dr. Srinivas L Gombi Dean-Academics presenting a bouquet to Dr. Bala Bharadwaj

This was followed by the third invited talk on the topic “Innovations to Transform Challenges into Opportunities.” He elaborated on the concept of challenges as situations where goals are known but solutions are uncertain, and opportunities as favourable conditions that enable progress. Emphasizing that innovation is the process of transforming the current state into a desired future state, he highlighted the importance of perspective, problem identification, and continuous improvement. Drawing attention to India’s rich history of innovation, he encouraged students to adopt a realistic and solution-oriented mindset rather than limiting themselves to theoretical ideas. Through practical examples, including real-world engineering challenges, he demonstrated how innovative thinking, combined with systematic effort and experimentation, can convert problems into viable solutions. He concluded by motivating students to think beyond academic projects, focus on real-world impact, and actively contribute to innovation-driven growth in alignment with the vision of *Viksit Bharat 2047*.



Fig. 20. Dr. Bala Bharadwaj delivering the expert talk on “Innovations to Transform Challenges into Opportunities”

Dr. Bala Bharadwaj further emphasized that India has a rich legacy in science, engineering, and technology, with a strong foundation of innovation from ancient times. He noted that as the global landscape evolves, India is steadily re-emerging as a significant player on the world stage, offering immense potential for growth and technological advancement. Highlighting the country’s greatest strength, he pointed out that India’s youth possess the creativity, energy, and capability to drive this transformation. He encouraged students to recognize this unique opportunity and actively contribute towards improving society and shaping a better future through innovation and impactful ideas.

As part of the felicitation ceremony, Dr. Ajayan K R felicitated Dr. Bala Bharadvaj by presenting a ponnadai and a memento as a token of gratitude and appreciation for his valuable talk and insightful contribution to Project Expo 2026.



Fig. 21. Dr. Ajayan K R felicitating Dr. Bala Bharadvaj

Following this, a student project presentation was delivered by Team JASON, led by Ashish Ramesh, who showcased their project titled “ARIA” from Mechanical Stream. The presentation highlighted the team’s innovative approach, technical proficiency, and effective application of engineering concepts to address real-world challenges, reflecting the spirit of creativity and innovation promoted through Project Expo 2026.



Fig. 22. Students from Mechanical Stream presenting their project titled “ARIA”

This was followed by another student project presentation by Chandan Kumar from the Electrical stream along with his team, who presented their innovative project titled “Epilepsy Detection using Embedded Systems and Machine Learning.”



Fig. 23. Students from Electrical Stream presenting their project titled “Epilepsy Detection using Embedded Systems and Machine Learning”

Finally, a student project presentation was delivered by Muhammed Yusha and team from the Computer Science stream, Team Buildex, who presented their project titled “Engineering a Socratic AI for Active Code Learning.”

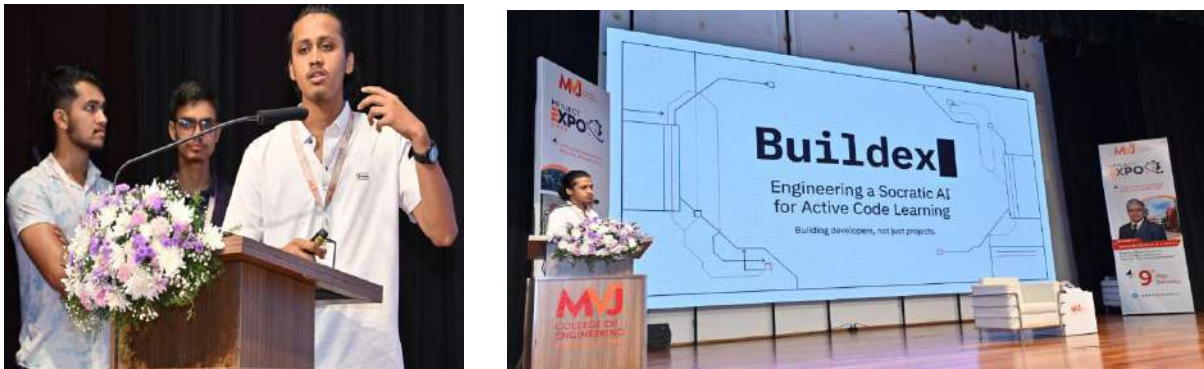


Fig. 24. Students from Computer Science Stream presenting their project titled “Engineering a Socratic AI for Active Code Learning”

The event concluded with the valedictory session presided over by Prof. Raghunandan and Dr. Ajayan K. R, Principal, MVJCE. Dr. Brindha M., Dean – Administration, presented a comprehensive summary of Project Expo 2026, highlighting the scale, participation, and key achievements of the event. She noted that Project Expo, the flagship event of MVJ College of Engineering, centred on the theme “**Youth and Innovation: Building Modern India,**” served as a vibrant platform for showcasing student innovation and technical creativity. The Expo witnessed participation from **41 colleges across multiple states including Karnataka, Tamil Nadu, Kerala, Maharashtra, and Telangana,** with over **250 innovative project ideas** presented.



Fig. 25. Dr. Brindha M presenting a comprehensive summary of Project Expo 2026

She further elaborated on the **structured and multidisciplinary evaluation process**, initiated in January 2026, where projects were assessed across streams such as Mechanical, Electrical, and Computer Science based on parameters including innovation, technical complexity, practical relevance, implementation, and societal impact. A distinguished panel of experts from reputed industries and academia ensured a rigorous evaluation process. Out of 133 shortlisted projects, about 60 progressed to the final round, including teams 39 teams MVJCE and 21 teams other institutions.

Dr. Brindha M. emphasized the strong focus on **interdisciplinary collaboration**, where student teams worked across domains such as artificial intelligence, IoT, robotics, healthcare, and sustainability to develop impactful solutions. She appreciated the efforts of students, faculty, and the organizing team, noting that the Expo successfully fostered innovation, creativity, and real-world problem-solving. Overall, she highlighted that Project Expo 2026 emerged as a dynamic and impactful platform, leaving a lasting impression on all participants and reinforcing the institution's commitment to innovation and excellence.

The event concluded with the **Prize Distribution Ceremony**, where outstanding projects were recognized and awarded for their innovation, technical excellence, and practical relevance.

The Prize Distribution Ceremony featured an **attractive total cash prize pool of ₹2,00,000**, awarded across various project streams. For each stream, the **First Prize carried ₹30,000, the Second Prize ₹20,000, and the Third Prize ₹10,000**. In addition, **special awards were presented, each carrying a cash prize of ₹5,000**, recognizing unique and outstanding contributions. These awards served to appreciate and encourage innovation, creativity, and technical excellence among the participating teams.

The details of the winning teams stream wise is listed below;

STREAM 1 – Mechanical Sciences Stream

(Aeronautical, Aerospace, Mechanical, Civil & Chemical Engineering)

1. Ashish Ramesh, Jiya Pandey, MD Ehtasham Nabi and Sahil Desai from MVJ College of Engineering, Bangalore secured 1st place for their project titled “Project ARIA” and were awarded a cash prize of Rs. 30,000/-.
2. Robin Roy and Shravik from MVJ College of Engineering, Bangalore secured 2nd place for their project titled “Computer-Operated 2D Sketching Robot” and were awarded a cash prize of Rs. 20,000/-
3. Dharanidharan C M, Ramsanjai R, Ranjith S, Suppikshaa N S and Anjana T H from Erode Sengunthar Engineering College, Tamil Nadu secured 3rd place for their project titled “Smart Farm BOT-X” and were awarded a cash prize of Rs. 10,000/-

STREAM 2 - Computer Science Stream

1. Mohammad Yusha, GN Likith Yadav, Rishi Anand, and Suhas R from MVJ College of Engineering, Bangalore secured 1st place for their project titled “BUILDEX” and were awarded a cash prize of Rs. 30,000/-.
2. Tejashwini Ravi Matti, Gouthami B and Samanvitha R K from MVJ College of Engineering secured 2nd place for their project titled “VISIONVAULT” and were awarded a cash prize of Rs. 20,000/-.
3. Saptaparno Ghosh, Sarthak S Pai and Diya Mariam Oommen from MVJ College of Engineering secured 3rd place for their project titled “IRIS – Intelligent Responsive Interface System” and were awarded a cash prize of Rs. 10,000/-.

STREAM 3 - Electrical Sciences Stream

1. Bharath VS, Chandan Kumar R from MVJ College of Engineering, Bangalore secured 1st place for their project titled “Epilepsy Detection Using Embedded Systems and Machine Learning” and were awarded a cash prize of Rs. 30,000/-.
2. Sahana I M and Aniket Katti from KLS Gogte Institute of Technology, Belagavi secured 2nd place for their project titled “Automatic E- Cradle” and were awarded a cash prize of Rs. 20,000/-.
3. Megha N Iyer, Sutej R Haritsa and Sudeep Xavier Roche from R V College of Engineering, Bangalore secured 3rd place for their project titled “ECOTIDE: Sailing to Safer Waters” and were awarded a cash prize of Rs. 10,000/-.

SPECIAL AWARDS:

SOCIAL IMPACT AWARD

Vijai R from Kamaraj College of Engineering and Technology, Tamil Nadu secured the Special Category Award – “SOCIAL IMPACT AWARD” for their project titled “DESIGN AND FABRICATION OF A SEED SOWING MECHANISM INTEGRATED IN A DRONE” and were awarded a cash prize of Rs. 5,000/-.

FUTURISTIC TECHNOLOGY AWARD

Nithin Raja and Rajith Reddy from MVJ College of Engineering, Bangalore secured the Special Category Award – “FUTURISTIC TECHNOLOGY AWARD” for their project titled “AEGIS_ECHO: 3D ACOUSTIC TOPOGRAPHICAL RADAR” and were awarded a cash prize of Rs. 5,000/-.

SUSTAINABLE SOLUTION AWARD:

Sree Lakshmi U Krishna, A S Yasvithaa, and Manasa J Y from MVJ College of Engineering, Bangalore secured the Special Category Award – “SUSTAINABLE SOLUTION AWARD” for their project titled “EXPIRY ALERT – AI-POWERED SMART FOOD MANAGEMENT SYSTEM” and were awarded a cash prize of Rs. 5,000/-.

BEST INNOVATION AWARD

Megh Kanti from Dayananda Sagar College of Engineering, Bangalore secured the Special Category Award – “BEST INNOVATION AWARD” for their project titled “MULTIMODAL AUTONOMOUS VEHICLE CONTROL SYSTEM” and were awarded a cash prize of Rs. 5,000/-.



Fig. 26. Felicitation of winners of Project Expo 2026

The dignitaries applauded the efforts of all participants and felicitated the winning teams with prizes and certificates. The ceremony not only celebrated the achievements of the students but also encouraged a spirit of healthy competition and innovation. It served as a motivating conclusion to Project Expo 2026, inspiring participants to continue their journey of research, creativity, and technological advancement.



Fig. 27. Dr. B N Raghunandan addressing the gathering during valedictory session

The event concluded with the solemn rendition of the National Anthem, with all participants rising in respect, marking a dignified and patriotic closure to Project Expo 2026.



Fig. 28. All dignitaries and participants standing during the National Anthem at the conclusion of Project Expo 2026