KVRSS marks 26th Annual Day

The Dr K. V. Rao Scientific Society (KVRSS), a Hyderabad-based non-profit organization working for the promotion of scientific curiosity and recognition of young talent, celebrated its 26th Annual Day at the School of Life Sciences Auditorium, University of Hyderabad, Gachibowli, on Saturday night.

Established 26 years ago, KVRSS has grown into a national platform encouraging scientific inquiry, innovation and excellence among students at school, college and university levels. The annual celebration highlighted the society's continued efforts towards nurturing interest in science and supporting emerging talent.

As part of the programme, an innovative dance presentation titled "Math Meets Movement" was performed by Ms. P. B. Vaishnavi, Assistant Professor of Dance, GITAM, Hyderabad, along with her team. The performance explored the connection between mathematics and movement, creatively presenting scientific concepts through the medium of art.

The event also featured the presentation of awards recognizing achievements and contributions in science. Dr. K. Ratna, Secretary of KVRSS, said the annual day reflected the organization's journey in building a wider platform for scientific learning and innovation.

కేవీరావు సైంటిఫిక్ సొసైటీ వార్షికోత్సవం

రాయదుర్గం: హెచ్‌సీయూలోని స్కూల్ ఆఫ్ లైఫ్ సైన్సెస్ ఆడిటోరి యంలో డాక్టర్ కేవీరావు సైంటిఫిక్ సొసైటీ 26వ వార్షికోత్సవాన్ని శని వారం ఘనంగా నిర్వహించారు. హెచ్‌సీయూ ఇన్‌చార్జి వీసీ ప్రొఫెసర్ జే అనురాధ ముఖ్య అతిథిగా హాజరై ప్రారంభించారు. ఆమె మాట్లాడుతూ.. కేవీరావు సొసైటీ 26 ఏళ్లుగా విద్యార్థుల్లో శాస్త్రీయ దృక్పథాన్ని పెంపొం దిస్తూ సైన్స్, టెక్నాలజీ ఇంజినీరింగ్, గణితం (స్టెమ్) విద్యను ప్రోత్సహిస్తోందన్నారు.

ప్రత్యేక ఆకర్షణగా 'మ్యాథ్ మీట్స్ మూవ్‌మెంట్'

ఈ ఏడాది 'మ్యాథ్ మీట్ మూవ్‌మెంట్' ప్రత్యేక ఆకర్షణగా నిలిచింది. గీతం హైదరా బాద్ అసిస్టెంట్ ప్రొఫెసర్ (డ్యాన్స్) పీబీ వైష్ణవి, ఆమె బృందం కలిసి చేసిన నృత్య ప్రద ర్శన ఆకట్టుకోంది. అనంతరం 2025-26 విద్యా సంవత్సరానికి గాను వివిధ విభాగాల్లో ప్రతిభ చూపిన విద్యార్థులకు పురస్కారాలు అందించారు. కార్యక్రమం సొసైటీ కార్యదర్శి డాక్టర్ కే రత్నం పర్యవేక్షణలో సభ్యులు, ప్రొఫెసర్లు, ఫ్యాకల్టీ ప్రతినిధులు పాల్గొన్నారు.

యువతను ఆవిష్కరణల వైపు ప్రోత్సహించాలి

మాట్లాడుతున్న జె.అనురాధ

గచ్చిబౌలి: యువతలో శాస్త్రీయ దృక్పథాన్ని పెంపొందించడంతో పాటు ఆవిష్కరణల వైపు ప్రోత్సహించాలని హైదరాబాద్ సెంట్రల్ యూనివర్సిటీ ఇన్‌ఛార్జి వీసీ ప్రొఫెసర్ జె.అనురాధ సూచించారు. డా. కె.వి.రావు సైంటిఫిక్ సొసైటీ(కేవీఆర్ఎస్ఎస్) 26వ వార్షికోత్సవాన్ని శనివారం వర్సిటీ ప్రాంగణంలో నిర్వహించారు. ముఖ్య అతిథిగా ఇన్‌ఛార్జి వీసీ మాట్లాడుతూ.. విద్యార్థులు పాఠశాలస్థాయి నుంచే సైన్స్, టెక్నాలజీ, ఇంజినీరింగ్, గణితం తదితర రంగాలపై ఆసక్తి పెంచుకోవాలన్నారు. ప్రతిభ కనబర్చిన విద్యార్థులకు, యువ పరిశోధకులకు పురస్కారాలు ప్రదానం చేశారు. గీతం వర్సిటీ అసిస్టెంట్ ప్రొఫెసర్ వైష్ణవి బృందం ప్రదర్శించిన నృత్యరూపకం ఆకట్టుకుంది.

KVRSS celebrates 26th annual day

HYDERABAD

Dr KV Rao Scientific Society (KVRSS), which celebrated its 26th annual day here on Saturday, presented awards to outstanding students for their achievements during the academic year 2025-26.

The awards recognised exceptional research in the fundamental sciences by students below the age of 30. This year, 12 awards, three each in Physics, Chemistry, Biology and Mathematics, were presented. The awards attracted 167 applications from more than 100 institutions across several states.

THE Hans India

Why starting early can ease global admissions

Starting early can make the global undergraduate admissions journey more manageable for students and families. International applications often involve academic records, standardised tests, extracurricular activities, essays, recommendations and financial planning. Beginning in the earlier school years gives students time to explore interests, strengthen skills and understand different university requirements without putting everything into Class 12. A planned approach can also help students balance schoolwork with application preparation, reduce last-minute pressure and make more informed decisions about their academic and career goals.

Dirghayu Kaushik

For parents navigating global undergraduate admissions, the most important myth to debunk is that the journey begins in Class 12. Unlike domestic systems that depend on a single final score, international admissions committees (US, UK, Singapore, Europe) measure a progressive four-year record from Class 9 to Class 12. Students who wait until the last year often find test prep, board exams, and narrative crafting clashing together. Here is a parent's timeline to help your child reach a global admit with ease.

The 4-year academic blueprint

Universities look for academic consistency and an optimized narrative. Delaying profile building often causes sudden grade drops from underestimating the last-minute workload.

Class 9: Foundation & exploration

Primary Focus: Grade Baseline and Core Interest Discovery

Many parents believe Class 9 grades don't matter, but transcripts sent abroad do include Class 9 year-end marks.

- **Academic Baseline:** Maintain a strong, consistent GPA; easier to sustain than to recover from an early dip.
- **Interest Exploration:** Encourage clubs, sports, debate, or early coding to broaden exposure, not specialize yet.
- **Language & Literacy:** Build strong reading habits, the foundation for SAT/ACT verbal sections and essays.

Class 10: Academic anchoring & skill mapping

Primary Focus: Board Exams, Skill Selection, and Initial Portfolio Building

Class 10 is when students move from generalized interests to targeted skill development.

- **Board Exam Excellence:** Prioritize CBSE, ICSE, or IGCSE boards; scores in the 92–97%+ range strengthen the academic foundation.
- **Narrative Seed Expansion:** Move from basic participation to minor leadership roles or specialized projects, like school initiatives, Olympiads, or community service.
- **School Transitions:** A school switch after Class 10 needs an adjustment period, as this can dent early Class 11 grades.

Class 11: The critical pivot point

Primary Focus: Standardized Testing, Deep Profile Building, and Managing the "Class 11 Academic Shock"

Class 11 is statistically the most defining year of the process.

- **The "Class 11 Grade Shock":** Scores often drop sharply, sometimes from 93% to 50–55%, due to rigorous norms and a conceptual leap. Parents must intervene early with academic support.
- **First SAT/ACT Attempt:** Target Spring or summer of Class 11, leaving room for a retake in early Class 12 if needed.
- **Deep-Dive Extracurriculars:** Move beyond generic portfolios toward hyper-focused initiatives, such as research internships, co-authored papers, or founding domain-specific clubs.

Class 12: Execution, deadlines & final launch

Primary Focus: Application Portals, Letters of Recommendation (LORs), and Financial Preparation

By Class 12, the focus shifts from building a profile to marketing it under rigid deadlines.

- **Autumn Retake Crunch (September–November):** Reserved for final SAT optimization and IELTS/TOEFL (aiming for 7.5+ overall).
- **Managing Recommender Delays:** Don't rely on school timelines; give teachers a structured "Brag Sheet" by September.
- **Financial Proofs:** Common App opens in August; deadlines roll by November. Ready financial certifications of up to Rs 80 Lakh–Rs 1.1 Crore in advance.

Early vs late preparation

Academic Record: Starting in Class 9 or 10 allows students to build steady academic performance over time. Beginning only in Class 12 can make earlier gaps more difficult to address.

Standardised Tests: Early preparation provides more time for practice and retakes if required. Delayed preparation may cause testing to overlap with applications and school examinations.

Recommendation Letters: When students begin early, teachers have more time to understand their academic interests, achievements and participation. Last-minute requests may result in recommendations with less detail.

Extracurricular Depth: Sustained participation in activities over several years can demonstrate genuine interest and commitment. Last-minute activities may not provide the same continuity.

Application Preparation: Early planning allows students to research universities, understand requirements and organise documents gradually. Starting in Class 12 can result in multiple application requirements coming together at the same time. The smoothest applications are built prudently over time. Prioritising academic consistency from Class 9 and 10 helps avoid cramming four years of profile development into the first semester of Class 12. The author is Co-founder and CEO, Ambitio.

Using dance and art to make mathematical ideas visible

Mathematical concepts such as symmetry, geometry, patterns and sequences were presented through dance at a programme organised as part of the 26th anniversary celebrations of the Dr. K. V. Rao Scientific Society (KVRSS) at the University of Hyderabad.

Titled Math Meets Movement, the presentation explored how mathematical ideas can be represented through rhythm, movement, patterns and spatial arrangements. The initiative was part of KVRSS's SMART (Science Meets ART) programme, which uses creative formats to present scientific and mathematical concepts to students.

The performance sought to demonstrate how ideas that are often represented through numbers, formulas and diagrams can also be communicated visually and physically. Through coordinated movements and choreography, the presentation represented concepts including symmetry, geometry, sequences, rhythm and spatial relationships.

The programme was developed with the involvement of Prof. J. Anuradha, Vice Chancellor of the University of Hyderabad and a Kuchipudi exponent, and Ms. P. B. Vaishnavi, Assistant Professor of Dance at GITAM Hyderabad, along with her team.

The use of movement and visual representation in teaching can provide students with alternative ways to understand abstract concepts. In mathematics, patterns, repetition, symmetry and spatial relationships can be observed through physical arrangements, making them possible to explore beyond conventional numerical representations. KVRSS, established in 2001 in memory of Dr. K. V. Rao, a scientist associated with the Geological Survey of India, has conducted programmes involving science education, student research and innovation. Its activities include research awards, innovation projects, scientific games, models, storytelling and creative arts.

The organisation's annual celebrations also included recognition of student work through its 26th Annual Research Awards, 15th SPARK Innovation Awards and 6th SMART Awards. The research awards received 167 applications from more than 100 institutions across India, with awards presented in Physics, Chemistry, Biology and Mathematics.

The SPARK Innovation Awards received more than 200 projects from school students, with 40 projects shortlisted for the Hyderabad finals. The SMART Awards focused on board games based on scientific and mathematical concepts, with more than 250 entries received.

The Math Meets Movement presentation provided an example of how dance and other creative forms can be used alongside conventional teaching methods to help students observe and interpret mathematical relationships.

IIT Delhi opens edge AI innovation lab to promote hands-on learning in AI

The Indian Institute of Technology (IIT) Delhi has inaugurated an Edge AI Invention Lab at the Student Innovation Lab (SIL) under the Department of Electrical Engineering to provide students with hands-on exposure to artificial intelligence and embedded systems.

The facility has been established in collaboration with Arduino, an open-source hardware and software platform, as part of its "Physical AI for All" initiative aimed at expanding access to Edge AI education in India. The lab was inaugurated by Guneet Bedi, Senior Director, Sales, Qualcomm Technologies, during his visit to the institute. Faculty members, including Prof. Shankar Prakriya, Head of the Department of Electrical Engineering, and professors Shubhendu Bhasin, Amartansh Dubey, and Kaushik Saha, were present at the event.

According to the institute, the innovation lab will enable students to design and develop real-world projects using Edge AI and Physical AI technologies through interdisciplinary research, project-based learning, hackathons and industry collaborations.

The initiative comes amid growing emphasis on artificial intelligence and emerging technologies in higher education. The lab is expected to help bridge the gap between classroom learning and practical applications by giving students opportunities to experiment with AI-enabled hardware and software systems.

Arduino has also developed a 120-hour credit-based Edge AI curriculum in collaboration with education partner STEMLORE Innovators. The programme includes laboratory manuals, teaching resources, project kits and faculty training to support AI education in academic institutions. The IIT Delhi facility is part of a broader network of Edge AI labs being established at educational institutions across the country. Similar centres have already been set up at other institutions, while additional labs are planned in the coming months.

TODAY IS INTERNATIONAL INFINITY DAY

Exploring the idea of the endless

Infinity is one of the most fascinating concepts in mathematics and human thought. It represents something without an end or limit, extending beyond the boundaries of ordinary numbers and measurements. International Infinity Day offers an opportunity to explore this idea not only through mathematics, but also through philosophy, science, art and imagination.

In mathematics, infinity helps describe concepts that continue without reaching a final point. The sequence of numbers, for example, can continue indefinitely. Infinity also appears in geometry, calculus, physics and computer science, where it helps researchers and students understand ideas involving endless processes, limits and possibilities. Beyond mathematics, infinity has long captured the imagination of philosophers and artists. Philosophers have considered questions about whether the universe is infinite, whether time has a beginning or an end, and whether human understanding can ever fully grasp something without boundaries. Artists and writers have also used infinity to represent endless possibilities, eternity and the unknown.

The idea becomes particularly interesting when connected to scientific discovery. The universe contains questions that remain unanswered, from the nature of space and time to the possibility of other worlds. Each discovery can lead to new questions, reminding us that knowledge itself may have no clear endpoint. For students, thinking about infinity can encourage curiosity and creative reasoning. It invites them to look beyond straightforward answers and consider possibilities that may not have an obvious limit. It can also demonstrate how a simple mathematical idea can connect different fields of knowledge. International Infinity Day, therefore, is more than a celebration of a mathematical concept. It is an invitation to think beyond limits, question assumptions and remain curious about what lies beyond what is currently understood. In a world shaped by discovery and innovation, the idea of infinity continues to remind us that there is always more to explore, imagine and learn.