# ANNUAL REPORT

















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# **EXECUTIVE SUMMARY**

Our focus at InUnity has always been to create an ecosystem that nurtures exponential ideas, aspirations of students and a healthy environment that celebrates failure and accelerates bold & impactful ideas. 2024-25 has been a defining year for InUnity where we have brought in the right partners, leaders and thinkers to do set the right pace and direction for this mission.

Our programs reached over 4,000 students across 300+ institutions, supported by a dedicated network of 100+ mentors and facilitators. Through our flagship programs, regional challenges and technology partnerships, we have equipped young minds with the skills, mindsets, and ecosystems needed to address real-world challenges with creativity and purpose.

J Shrow

JOHNSON TELLIS
CEO. INUNITY LLP

This year, we deepened our partnerships with institutions and extended InUnity's presence across Karnataka, Kerala, Andhra Pradesh and Telangana, supporting them in building meaningful innovation ecosystems positively impacting regional stakeholders. These initiatives highlight the growing demand for structured, purpose-driven youth engagement and the powerful impact of community-based learning. InUnity's influence is seen not just in numbers but in stories of student-led ventures, social innovation prototypes, and lives impacted at the grassroots level. Our work continues to position us as a unique catalyst in India's growth story.

As we look ahead, our strategic focus is on scaling with integrity, deepening program impact, and leveraging technology to foster inclusive growth. We are committed to building systems that deliver consistent results and long-term value for all stakeholders with planet first, people next and profit last philosophy. This documents reflects our belief that when young people are given the right tools and platforms, they can drive transformational change. I extend sincere thanks to our team, partners, mentors, and every young innovator who trusted InUnity. Together, we are not just building capacity we are shaping the future of leadership, innovation, and impact in India.

## GENESIS: HOW IT ALL STARTED?

Our tryst with education began when we were students ourselves, determined to break away from traditional engineering paths. For us, the journey wasn't just about earning a degree; it was about mastering skills that would define our future.

What started as small experiments at inter-college events soon became the fuel driving us across India, to the US, and eventually South Korea—where one of our own gaming ventures secured its first international grant. That moment was a turning point. We realized we were on the right path, as every student who joined our mission to challenge norms went on to achieve incredible heights.

#### A TEAM OF DREAMERS

We started as a team of eight, each driven by a unique aspiration: NASA projects, gaming ventures, robotics, cutting-edge research, and more. Despite the challenges of being from Tier 2 and 3 cities, we refused to accept the stigma that opportunities were limited for us. Over time, our individual pursuits transformed into a collective mission—to help each other realize our dreams.



#### THE SECRET SAUCE

This shared vision and methodical madness have driven us for over seven years, refining a model to challenge the status quo in education. Today, we stand with a framework designed to change the trajectory of how institutions and students approach learning and innovation.

The future of work demands more than just knowledge—it calls for grit, persistence, analytical thinking, problem-solving, and compassion. Companies thrive by solving community problems, and we believe our youth must be empowered to navigate an uncertain world, not intimidated but equipped with the tools and confidence technology provides.

Access to resources may have evolved, but the fundamentals remain the same. Our mission is simple: to enable institutions to empower their faculty and students to drive innovation from within their campuses. It's not rocket science—it's about belief, effort, and action.

## **INUNITY**

We are in the continuous pursuit of uniting the student, regional and business communities to create a ripple effect of innovation beyond the boundaries of development.

#### **A CATALYST**

InUnity is a community-centred educational organisation passionate about nurturing an entrepreneurial mindset in youth. We catalyse the interaction between regional communities (reformers and grassroots innovators), technocrats & builders and business leaders (growth hackers) as a focal point of community development.

We cultivate a fertile ground for our youth to flourish, by working alongside tier 2 and tier 3 institutions to create an innovation ecosystem within the campus.

#### **VISION**

To nurture 1000 Enterprises by empowering 1 million entrepreneurial youth to impact the next billion ( $10^3 \times 10^6 = 10^9$ )

#### **MISSION**

To build a single platform that catalyses the most creative youth to co-create solutions for the most pressing challenge of the region.

#### **IMPACT APPROACH**



#### Education Impact Unit

The Education Impact Unit empowers students and institutions with industryrelevant skills through our programs, workshops, and hackathons. Focusing on design thinking, problemsolving, and innovation, EBU bridges academia & industry, equipping students with 21stcentury competencies. Our programs foster hands-on learning, prototype building, and tech exploration, enabling students to develop solutions for societal challenges while creating a vibrant innovation ecosystem across institutions.



Platform Impact Unit

InUnity's suite of tech platforms has played a pivotal role in transforming how innovation is nurtured and scaled across institutions. Designed to bridge the gap between intent and impact, our tools offer students, faculty, and early-stage innovators the structure, clarity, and momentum needed to bring ideas to life. Each platform functions as a modular layer that can be integrated into innovation ecosystems, allowing for flexibility while maintaining focus on real outcomes.



Startup Studio Impact Unit

The Startup Studio at InUnity enables student teams to solve real-world challenges from MSMEs, industries, & regional clusters. Students tackle curated problems through rapid sprints & field validation, leading to pilot solutions. Projects captured as case studies, highlighting problem, process, impact. Shared with industry, academic partners to inspire collaboration, scale. The Studio connects student innovation with regional development, turning ideas into practical, community solutions.

Together, these business units form the foundation of InUnity's mission to create a thriving ecosystem where students, innovators, and entrepreneurs can co-create solutions that have a lasting impact on society. As we continue to expand our footprint, InUnity remains committed to driving positive change by building communities that innovate, collaborate, and inspire.

## **IMPACT OVERVIEW**

13,119

InUnity has empowered students by fostering innovation, enabling learning opportunities, and supporting prototype development. Our continuous efforts drive impact, creating a dynamic ecosystem for growth and problem-solving.



Students Tapped

31,944

Students Enrolled

6,976

Prize Pool

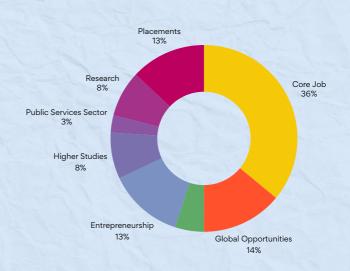
3,20,800

Prototypes Built

853

#### **Student Mindset**

InUnity students are driven by diverse aspirations, from core jobs and global careers to entrepreneurship and research. Many pursue higher studies or public service, while others focus on product development and industry placements, creating meaningful impact.



# SDG WE WORK TOWARDS



#### **Quality Education**

Around 244 million children and youth are out of school globally, highlighting the education gap (UNESCO, 2022). In India, the National Education Policy 2020 aims to bring over 35 million students into a new, inclusive education system. SDG 4 focuses on ensuring quality education and promoting lifelong learning opportunities for all by 2030.



#### **Economic Growth Through Startups**

India became the 3rd largest startup ecosystem globally with over 99,000 DPIIT-recognized startups as of 2023 (Startup India). These startups have created more than 1 million direct jobs across the country. SDG 8 promotes sustained economic growth, full and productive employment, and decent work for all.



#### **Rising Climate Anxiety Among Youth**

Over 59% of young people globally feel extremely worried about climate change, with many reporting anxiety and helplessness (Lancet, 2021). In India, 67% of youth say climate change impacts their daily decisions and future plans. SDG 13 calls for urgent action to combat climate change and its impacts, especially through youth-led awareness and innovation.



#### Life Below Water

Over 11 million metric tons of plastic enter the ocean each year, threatening marine life and ecosystems (UNEP, 2021). India, with a 7,500 km coastline, has launched initiatives like the National Marine Turtle Action Plan to protect biodiversity. SDG 14 focuses on conserving and sustainably using the oceans, seas, and marine resources for sustainable development.



#### Industry, Innovation and Infrastructure

Over 400 million people globally lack access to basic infrastructure, limiting opportunities for growth and innovation (UNIDO, 2021). India is advancing initiatives like the PM Gati Shakti plan to boost industrial corridors and modernize infrastructure. SDG 9 focuses on building resilient infrastructure, promoting inclusive and sustainable industrialization, and fostering innovation for long-term economic development

# PROUD MOMENT FOR INUNITY

This year, our students walked alongside InUnity, shaping and strengthening our shared journey. Their presence, passion, and progress became a powerful part of our story, leaving an impact that resonates through everything we've built together. We take immense pride in having them as part of the InUnity family.



Raised 50L from Shark Peyush Bansal

#### A TEAM OF DREAMERS

Sonic Lamb, developed by Rapture Innovation Labs, is an Indian company that has introduced the world's first hybrid driver headphones, combining air and body conduction to deliver an immersive audio experience. Their proprietary technology allows users to not only hear but also physically feel the music, emulating a subwoofer effect within the headphones. Founded in 2018 by Navajith Karkera and Jagath Biddappa, the company aims to redefine personal audio experiences globally.



## INNOVATORS COMMUNITY

## 10 CREATORS CLUBS ACROSS KARNATAKA

The Creators Clubs across Karnataka are vibrant hubs designed to ignite innovation, creativity, and entrepreneurial spirit among students and young changemakers. These spaces serve as collaborative environments where individuals come together to explore ideas, tackle real-world challenges, and develop impactful solutions through design thinking, technology, and community engagement. With a strong focus on hands-on learning, mentorship, and peer collaboration, the clubs encourage a culture of experimentation and continuous growth. By nurturing practical problem-solving skills and leadership qualities, they empower youth to become confident, future-ready innovators driving meaningful change in their communities.

- Bengaluru (North)
- Bengaluru (South)
- Bengaluru (West)
- Mysuru
- Mangaluru
- Belagavi
- Kalaburgi
- Mandya
- Tumakuru









#### **Empowering Young Innovators**

With access to mentors, resources, and industry connections, participants are empowered to translate their ideas into meaningful projects that drive change. These clubs provide a platform where young innovators can explore new possibilities, experiment with creative solutions, and refine their skills through real-world applications. By fostering a culture of hands-on learning, they enable individuals to turn their vision into impactful initiatives that address pressing challenges.

#### **Building a Thriving Ecosystem**

Through workshops, networking opportunities, and practical exposure, these clubs equip the next generation with the confidence and expertise to lead innovation. By promoting peer collaboration and knowledge sharing, they create a supportive environment where ideas flourish and take shape. Together, they build a thriving ecosystem that nurtures future leaders, strengthens Karnataka's entrepreneurial landscape, and inspires a new wave of changemakers.













## IMPACT THROUGH STUDENTS

InUnity empowers students to drive real-world change through innovation, leadership, and problem-solving. From developing tech solutions and launching startups to contributing to research and industry growth, they create a lasting impact. Through mentorship, hands-on experience, and strategic collaborations, students transform ideas into action, benefiting communities and industries alike.

31,933 TOTAL STUDENTS TAPPED	6,976 TOTAL STUDENTS ENROLLED	3.3K+  TOTAL HOURS OF TRAINING
94 TOTAL WORKSHOPS & WEBINARS	529 TOTAL PROTOTYPES BUILT	3,20,800 TOTAL PRIZE AMOUNT WON
41 TOTAL INSTITUTIONS TRUST OUR MODEL	86 TOTAL COMMUNITIES & INDUSTRY LEADERS	91 TOTAL COMMUNITY PROBLEMS ON THE PLATFORM
132 TOTAL EVENTS PARTICIPATED IN	16 TOTAL IIT & NIT EVENTS WON	44 TOTAL TECH - EVENTS WON
113 TOTAL CHANGEMAKERS IN INNOVATORS CLUB	98% TOTAL STUDENTS SATISFIED WITH MENTORSHIP	9.3/10 PROGRAM RATING

Innovation nurtures critical thinking and problem-solving, helping students approach challenges with creativity. It fosters an entrepreneurial spirit, encouraging them to develop solutions with real-world impact. By embracing innovation, students gain adaptability and confidence, preparing them for diverse career paths.













# **BANGALORE**INNOVATION HUB

The Bangalore Innovation Hub is a vibrant space that empowers young innovators through hands-on workshops, hackathons, and expert-led sessions. It has become a recognized center for nurturing creativity, building impactful prototypes, and consistently excelling in tech events. With strong industry engagement and practical learning experiences, the hub bridges the gap between ideas and real-world solutions. Highly rated by participants, it continues to inspire the next generation of changemakers and tech leaders.

5,412

STUDENTS TAPPED

1,630

STUDENTS TRAINED

9.1/10

PROGRAM RATING

31

WORKSHOPS/WEBINARS/HACKATHONS

133

PROTOTYPES BUILT

23

INDUSTRY EXPERT SESSIONS

11

**TECH EVENTS WON** 

58,800

PRIZE WON



#### FLAGSHIP EVENT TO ATTRACT BUILDERS

## Eco-Hack

Innovation Showcase: Build4Bengaluru Initiative

Eco-Hack was conducted as a part of the Build4Bengaluru series of hackathons on the 23<sup>rd</sup> of November, around the theme of agriculture, sustainability and environmental challenges inviting students from Bengaluru and surrounding regions to tackle challenges in the mentioned themes. Students were invited to the Yelahanka Innovation Hub to pitch their solutions.

69
BUILDERS

**PARTICIPATED** 

13
INSTITUTIONS
JOINED HANDS

26
TOTAL
TEAMS

9.6

EVENT RATINGS

#### **Event Highlights**

Eco-Hack, a one-day challenge, united 26 teams from 12 colleges, celebrating creativity, innovation and problem-solving through sessions, collaboration, and a vibrant prize ceremony.

#### **Mentorship & Collaboration**

Mr. Sunil Mysore, CEO, Hinren Engineering Pvt. Ltd., Shiva Chaitanya, Muralidhar Ponnaluri, CEO, ComedKares joined the panel as our esteemed juries.

#### **Student Impact**

A truly inspiring moment at the event was the participation of 13-year-old Poorvi J Kashyap, who developed a carbon footprint tracking app. Students pitched projects including smart water systems, affordable agri-robotics, herbal pest control, and drone-enabled soil analysis—targeting sustainability and efficiency in agriculture.









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#### FLAGSHIP EVENT TO ATTRACT BUILDERS

## REimagiNEWaste7 Innovation Cohort on Textile Waste















REimagiNEWaste is an immersive hackathon and incubation program by Waste Impact Trust aiming to co-create inclusive solutions for aspects of the waste problem. The 7th edition focused on the Textile Problem in Bengaluru.

120 **PARTICIPANTS**  26 **UNIQUE INSTITUTIONS** 

**PROBLEMS TACKLED** 

PROOF OF **CONCEPTS** 

#### **Event Highlights**

This year's REimagiNEWaste Hackathon at NIFT Bengaluru united 120+ innovators, industry leaders, and waste workers to develop real-world waste management solutions.

#### **Mentorship & Collaboration**

Industry experts like Ananth Ravi, Dr. Satish Bhavankar, Vrinda Hegde, Dr. Ramesh Pudale, and Mahadevan Ramesh provided valuable insights and guidance to students.

#### **Student Impact**

The event empowered 13 teams to develop scalable solutions for textile waste. From automation in recycling to digital access, durable materials, data insights, and worker safety, the ideas showed potential for adoption.











## MSRUAS Students Shine at IEEE YESIST KAUSHALYA

Four students from MSRUAS secured 2nd place at IEEE YESIST KAUSHALYA, hosted at NMIT, impressing judges with their innovative idea presented at the Expo.



### Harish and Vijay Secure Victory at KRITAAYU 2K24

Harish V and Vijay Kumar T secured 1st place in the Line-Following Bot competition at KRITAAYU 2K24, showcasing their outstanding robotics skills and innovation.



## Yelahanka Team Excels Brilliantly at IEEE Event

Students trained at Yelahanka Center won 2nd place at a prestigious IEEE event, earning ₹20,000, highlighting their technical expertise and problemsolving abilities.



## JP Nagar Team Triumphs Grandly at Robolympics

At BMSIT's Robolympics, the JP Nagar Center team displayed impressive robotics skills, winning 1st place in Line Follower and 2nd in Robo Race, earning ₹5,000.

## MANGALURU INNOVATION HUB

The Mangalore Innovation Hub is a growing center of innovation and collaboration, dedicated to shaping the minds of aspiring changemakers and problem-solvers. Through dynamic workshops, interactive webinars, and eco-focused hackathons, the hub equips students with the tools to tackle real-world challenges. Guided by expert mentors, participants develop their ideas into practical solutions, fostering creativity and technical excellence. With strong student engagement and a reputation for impactful learning, the hub continues to lead coastal Karnataka's innovation journey.

2,271

STUDENTS TAPPED

669

STUDENTS TRAINED

9/10

PROGRAM RATING

12

WORKSHOPS/WEBINARS /HACKATHONS

73

**PROTOTYPES BUILT** 

20

INDUSTRY EXPERT SESSIONS

05

**IIT/NIT EVENTS WON** 

56,500



#### FLAGSHIP REGIONAL INNOVATION CHALLENGE

## Make4Mangaluru

Innovate Today, Power Tomorrow

The Make4MLR initiative empowered students in Mangaluru to tackle local challenges in agriculture, fisheries, and poultry. Participants selected from five curated problem case studies and gained access to our innovation hubs for prototyping. The top teams were then invited to showcase their solutions and received further support to secure grants, driving real-world impact through innovation.

28

BUILDERS PARTICIPATED 06

INSTITUTION
JOINED HANDS

10

SOLUTIONS PITCHED

9.3

PROGRAM RATINGS

#### **Event Highlights**

On 16th March 2024, 26 students and 2 jury members gathered at ComedKares Innovation Hub, Mangaluru, to develop practical solutions through hands-on problemsolving.

#### Mentorship & Collaboration:

Senior Scientist & Head, ICAR - Krishi Vigyan Kendra, Dakshina Kannada and Mr. Aditya Swaroop Agripreneur and Education success manager, Embibe joined the jury panel and guided the students during their presentations.

#### **Student Impact**

Students tackled real-world challenges—from automated aquaponics & toddy collection to smart chick monitoring and solar fish dryers—showcasing practical, tech-driven solutions for rural and agricultural transformation.











## BIT Mangaluru Team Wins Caterpillar Challenge

Mohammed Thahseen & his team from BIT Mangaluru excelled in the Caterpillar Autonomy Challenge at the Mangaluru Center, showcasing their expertise in autonomous systems and robotics.



## SMVITM Students Shine at NITK Line Follower Competition

Our students, U Pradyumana Upadhyaya, Anjali Shetty, ShreeKiran Bhat, Sathwik Bhat, and Suraj Bagavath, secured 3rd place in the Line Follower Competition at NITK.



## **Creators Club Excels at Avishkar Pitching Competition**

Prerana and Princia from Creators Club won 1st prize at the Avishkar Idea Pitching Competition at NITK, earning ₹10,000 for their innovative product, Bakram.



## **Creators Club Shines at Srinivas College Hackathon**

Bhushan Poojary, Hitesh, and Mithul won 2nd place and ₹20,000 for their "Smart Ambulance System," featuring one-click ambulance access, real-time reports, and chatbot-assisted first aid.

# MYSORE INNOVATION HUB

The Mysuru Innovation Hub stands as a dynamic center of creativity and problem-solving, empowering students to explore technology, entrepreneurship, and design thinking. With a strong focus on hands-on learning, the hub has conducted numerous workshops, webinars, and hackathons that have inspired thousands of young minds across the region. Students from the hub have not only participated in a wide range of tech events but have also emerged as winners, showcasing their innovative solutions on larger platforms.

1,732

TOTAL STUDENTS TAPPED

1,815

STUDENTS TRAINED

9.3/10

PROGRAM RATING

12

WORKSHOPS/WEBINARS/HACKATHONS

80

PROTOTYPES BUILT

10

INDUSTRY EXPERT SESSIONS

10

**TECH EVENTS WON** 

01

**IIT/NIT EVENTS WON** 

50,000



#### FLAGSHIP EVENT TO ATTRACT BUILDERS

## Make4Mysore Smart Cities





Innovate Today, Power Tomorrow

The Make4Mysore initiative, organized by ComedKares Innovation Hub Mysore in collaboration with IEEE Smart Cities, aimed to build a strong innovation ecosystem focused on Sustainable Livelihoods. The two-day hackathon, held on 25th and 26th October 2024, brought together talented builders and technocrats to develop impactful solutions.

131

**BUILDERS PARTICIPATED** 

INSTITUTION **JOINED HANDS** 

**SOLUTIONS PITCHED** 

9.0

**EVENT RATINGS** 

#### **Event Highlights**

100+ students collaborated in a 2-day sprint, cocreating solutions for local problems—showcasing creativity, teamwork, and community-focused innovation through hands-on prototyping.

#### **Mentorship & Collaboration**

A total of 9 esteemed guests graced the event, offering valuable mentorship to over 100 students and helping them gain deeper insights into their projects through meaningful interactions and guidance.

#### **Student Impact**

Students tackled challenges in Sustainable Tourism, Waste Management, Street Vendor Empowerment, Healthcare, Public Safety, and Cultural Facilities, focusing on realworld community-driven impact.















## Make4Mysore

Innovate Today, Power Tomorrow

@ October 25th-26th, 2024

& ComedKares Innovation Hub, Mysore

Join us for a 2-day hackathon at "Make4Mysore" and be part of a movement to create a more sustainable future with ComedKares Innovation Hub Mysore and IEEE Smart Cities. Work alongside 150+ like-minded individuals to develop innovative solutions that can improve the lives of people in Mysore

- · Sustainable Tourism Solutions
- Waste Management & Recycling
- · Street Vendor Empowerment
- · Healthcare and Wellbeing
- . Public Safety and Security
- · Cultural and Recreational Facilities
- · Open Innovation

#### **Registration Fee**

Rs. 250/- Per Team (Including GST)



Last Date to Register: 15-10-2024 20-10-2024





Runner - 2 Rs. 5,000



## SIH 2024 Champions: ₹1,00,000 Grand Victory

At SIH 2024, a Mysore team secured 1st place, winning ₹1,00,000. The event fostered innovation, technical expertise, and entrepreneurial skills among participants.



## INFOTHON 3.0 Runners-up: ₹10,000 Cash Prize

Rishab, Manoj, Darshan, Chirashwi, and Jeevan earned runner-up at INFOTHON 3.0, winning ₹10,000 for their outstanding problem-solving and technical skills in the national hackathon.



## Vyuhatech 2024 Hackathon: 2nd Place Achievement

A Mysore team secured 2nd place at CMR Institute of Technology-Vyuhatech 2024, winning ₹6,000. Judges praised their innovative solutions and exceptional teamwork in the national-level hackathon.



## YUKTI 2024 Winners: Line Follower Triumph

Akash, Manthan, and team from Maharaja Institute of Technology Mysore, triumphed in YUKTI 2024, Belgaum, winning 1st place in the Line Follower event, showcasing technical excellence.

## KALABURAGI INNOVATION HUB

The Kalaburagi Innovation Hub is a thriving space where young minds are empowered to build real-world solutions through innovation and creativity. With strong industry connect and active student participation, the hub has produced several prize-winning prototypes and ideas. It continues to inspire and shape the next generation of changemakers across North Karnataka.

1,536

STUDENTS TAPPED

292

STUDENTS TRAINED

9/10

PROGRAM RATING

15

WORKSHOPS/WEBINARS/HACKATHONS

80

PROTOTYPES BUILT

13

INDUSTRY EXPERT SESSIONS

13

**TECH EVENTS WON** 

03

**IIT/NIT EVENTS WON** 

33,500





#### Kalaburagi Teams Shine at NITK Suratkal, Mangaluru

Shetty Institute of Technology teams impressed at NITK Suratkal's Line-Following Bot competition, with Blue Beetles securing 2nd prize and Team Robusta placing in the top five.



#### Kalaburagi Researchers Selected for National Conference

A team from Kalaburagi will present their research at Bharatiya Shikshan Mandal's esteemed conference in Gurugram, Haryana, highlighting their excellence in innovation.



#### Kalaburagi Teams Dominate Rajarajeshwari's Event

At Rajarajeshwari College of Engineering, Blue Beetles won 1st in Line Following, Robusta secured 2nd, and also clinched 3rd place in Robo Race, showcasing their skills.



## Kalaburagi Innovators Win INEX 2024 in Goa

At INEX 2024, the "Triple E' Integrals" team from Shetty Institute of Technology won 1st prize for their groundbreaking pitch on the "Industrial Rental Equipment Industry."

## BELAGAVI INNOVATION HUB

The Belagavi Innovation Hub is a growing center of creativity, nurturing young talent to solve local and global challenges through innovation. With a strong student base and active involvement in tech events, the hub has seen remarkable ideas turn into impactful prototypes. It continues to empower the youth of North Karnataka to lead with purpose and innovation.

2,406

STUDENTS TAPPED

184

STUDENTS TRAINED

9.1/10

PROGRAM RATING

16

WORKSHOPS/WEBINARS/HACKATHONS

11

**PROTOTYPES BUILT** 

15

INDUSTRY EXPERT SESSIONS

06

**TECH EVENTS WON** 

02

**IIT/NIT EVENTS WON** 

38,000





## Avinya 2024-25 Winners Showcase Engineering Brilliance

Sumit Patil and Shreyash Patkule from Belagavi Center secured 1st place at Avinya 2024-25 Project Exhibition, impressing judges with their outstanding innovation and execution.



### Belagavi Teams Excel in Robotics and Innovation

Adarsh and his team from GIT College, Belagavi, secured 1st place in Robo-Race at Asteria-24, KLE MSSCET Belagavi, showcasing their exceptional technical skills and teamwork.



## Belagavi Innovators Shine at IIT Dharwad's Parsec

Students from Belagaviachieved 1st place and two 3rd places at Parsec 4.0, IIT Dharwad, demonstrating their excellence in problem-solving, creativity, and engineering innovation.



## Belagavi Team Triumphs at Adivitiya Buildathon

At Adivitiya 2024-25, a team from Belagavi Center won 1st place in the Buildathon, earning ₹5,000 for their remarkable creativity and technical problemsolving.

## TUMKUR INNOVATION HUB

The Tumkur Innovation Hub is shaping young innovators by encouraging fresh ideas and practical problem-solving. With active participation from students and strong industry mentorship, the hub has become a hotspot for emerging talent. It continues to drive meaningful change through techdriven solutions and creative thinking.

1,500

STUDENTS TAPPED

50

STUDENTS TRAINED

9/10

**PROGRAM RATING** 

07

WORKSHOPS/WEBINARS/HACKATHONS

04

**PROTOTYPES BUILT** 

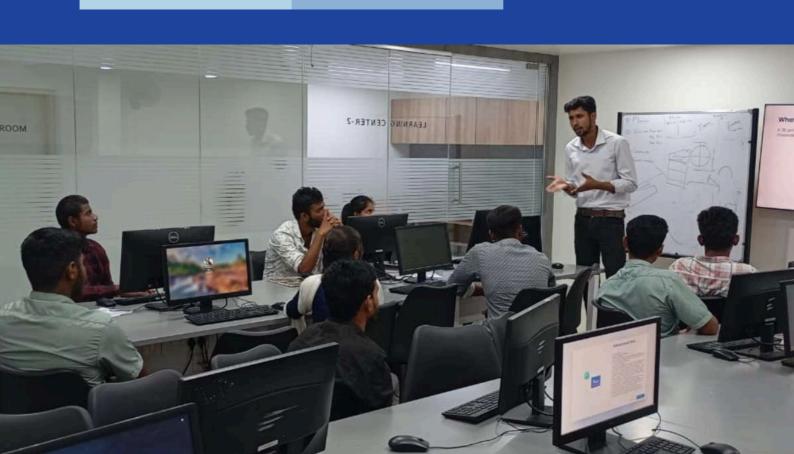
05

INDUSTRY EXPERT SESSIONS

02

**TECH EVENTS WON** 

5,500



#### FLAGSHIP EVENT TO ATTRACT BUILDERS

## AgriTech

Makeathon

We had the privilege of hosting over 50 students for the AgriTech Makeathon at the Tumkur ComedKares Innovation Hub. To enhance their learning experience, a field visit was organized to Dabbeghatta, Tharabenahalli, and Godekere, allowing students to explore real-world agricultural.

50
BUILDERS
PARTICIPATED

07
INSTITUTIONS
JOINED HANDS

O4
THEMES
PITCHED

U8 EVENT RATING

#### **Event Highlights**

The AgriTech Makeathon brought together 50+ students from eight institutions, featuring field visits, expert mentorship, and innovative solutions like drone spraying and automated drip systems.

#### **Mentorship & Collaboration**

Ms. Shylaja, Founder of Dharma Technologies, and CEO Mr. Muralidhar offered valuable insights, guiding students to refine their ideas and advance them at the ComedKares.

#### **Student Impact**

For many, it was their first makeathon, sparking deep interest in innovation. The event empowered engineering students to think critically, collaborate effectively, and solve real agricultural challenges.









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## Triple E Integrals Advances to INEX International

The team secured 2nd place at INEX Karnataka Chapter, earning sponsorship from PLYRoNeST to compete at the INEX International Level in Goa this November.



## **Equip Lease Shines at INEX Karnataka Chapter**

The team secured 6th place in the INEX Karnataka Chapter, showcasing their creativity and impactful solutions in tackling remote area challenges with innovation.



## SIT Tumkur Achieves 3rd Place at Robokrishi

SIT Tumkur's team secured 3rd place at Robokrishi, NIE Mysore, demonstrating technical excellence and innovation in robotics, reinforcing the institution's commitment to nurturing talent.



## SIT Tumkur Claims Victory at Robokrishi Competition

Winning 1st place and ₹4,000 at Robokrishi, NIE Mysore, the SIT Tumkur team displayed outstanding skills in the Line Follower competition, proving their technical expertise.

## SAHYADRI COLLEGE, ADYAR

Sahyadri College of Engineering & Management has been a long-standing partner in nurturing innovation and entrepreneurship through its decade-long collaboration with InUnity. Over the past 10+ years, this partnership has empowered hundreds of students to turn ideas into impactful solutions—rooted in regional relevance and real-world needs. Together, they've built a culture of problem-solving, hands-on learning, and community-driven innovation that continues to position Sahyadri as a pioneering institute in shaping the next generation of changemakers.

796

STUDENTS TRAINED

9.3/10

PROGRAM RATING

80

WORKSHOPS/WEBINAR S/HACKATHONS

05

INDUSTRY EXPERT SESSIONS

79

PROTOTYPES BUILT

06

**EVENT PARTICIPATION** 

04

IDEA PITCHING PARTICIPATION

04

TECH EVENTS WON 33,500



#### FLAGSHIP EVENT TO ATTRACT BUILDERS









Synergia is the flagship innovation event of Sahyadri College of Engineering & Management, bringing together students from Grades 8 to 12 and engineering streams. Synergia encompasses a variety of activities, including hackathons, robotics competitions, and the Sahyadri Science Talent Hunt (SSTH), aiming to inspire young innovators and bridge the gap between academia and industry.

900+

STUDENTS PARTICIPATED 300+

PROJECTS DISPLAYED 100+

SOLUTIONS PITCHED 5L+

PRIZE POOL

#### **Event Highlights**

Over 900 students from 250+ institutions joined forces at Synergia, creating a symphony of innovation, passion, and laughter, from the  $7^{th}$  -  $9^{th}$  of November.

#### **Mentorship & Collaboration**

Experts from leading organizations like Machani Group, Mphasis, MResult, and MIT-WPU mentored around 800 students, offering valuable insights and guidance to help them shape and refine their project ideas.

#### **Student Impact**

Synergia empowers tier 2 & 3 school and PU students with real-world problem-solving and leadership skills through hands-on programs like Be With Engineers, inspiring them to become confident innovators.











## IIT TechFest 2024: Sahyadri's Zonal Success

32 first-year teams from Sahyadri competed at IIT Bombay TechFest Zonals. Five teams advanced to the finals, proudly representing their college on a national stage.



## Wildcard Entry Secured: Maze Solver & Pick Bots Shine Bright

Maze Solver Bot and Pick & Place Bot teams secured a wildcard entry, competing a day before the IIT Bombay finals, proving their exceptional robotics skills.



## Meshmerize 12th Place: Impressive Achievement

A Sahyadri team secured 12th place in Meshmerize (Maze Solver) at IIT Bombay TechFest, showcasing problem-solving expertise and innovation in a highly competitive event.



## IIT Kanpur: Robotics Excellence Displayed

A team, with their robot, excelled at IIT Kanpur, demonstrating cutting-edge robotics innovation and technical skills, gaining recognition on this prestigious engineering platform.

# PES COLLEGE OF ENGINEERING, MANDYA

PES Mandya fosters a culture of innovation and hands-on learning. Students are encouraged to explore real-world problems and develop creative solutions through prototype building. They provides expert guidance to shape ideas into impactful outcomes. It aims to empower students with the skills and mindset needed for future challenges.

1,691

STUDENTS TRAINED

9.3/10

PROGRAM RATING

05

WORKSHOP/WEBINAR/ HACKATHONS

05

INDUSTRY EXPERT SESSIONS

147

PROTOTYPES BUILT

41

**EVENT PARTICIPATED** 

OO

IDEA PITCHING PARTICIPATED

09

**IIT/NIT EVENTS WON** 

76,500



#### **ACHIEVEMENTS & RECOGNITION**



# INEX 2024: Industrial Rental Pitch Victory

At INEX 2024, a Shetty Institute team won 1st prize for their innovative pitch on the Industrial Rental Equipment Industry, showcasing creativity and problem-solving excellence.



### Pragyatha 2024: Crackthon Champions ₹10K

Hruday and Abhishek AR secured 1st place at Pragyatha 2024 Crackthon, earning ₹10,000 for their outstanding performance, demonstrating problem-solving skills in a competitive environment.



# Technex-25 Victory: Soft-Corner Pitch Triumphs Impressively

The P.E.S.C.E. Mandya team triumphed at Technex-25's Soft-Corner competition, winning 1st place with their exceptional idea pitch, marking a major success at IIT B.H.U.



# Technex-25 Champions: Eureka Sustainability Innovation Wins Big

Arun and Karan Dandale from P.E.S.C.E. Mandya secured 1st place in Technex-25's Eureka event with their Areca Wine sustainability pitch, highlighting Ennovate Club's innovative spirit.

# G. MADEGOWDA INSTITUTE OF TECHNOLOGY, MANDYA

GMIT cultivates an environment where students are inspired to think creatively and work on practical solutions. It supports the journey from idea generation to prototype development through structured mentorship. The hub encourages a problem-solving mindset aligned with real-world needs. By bridging knowledge and application, it empowers students to become future innovators.

325

STUDENTS TRAINED

9.6/10

**PROGRAM RATING** 

04

WORKSHOP/WEBINAR/ HACKATHONS

02

INDUSTRY EXPERT

06

**EVENT PARTICIPATED** 

2,000

PRIZE AMOUNT WON



#### **ACHIEVEMENTS & RECOGNITION**



# **GMIT Team Triumphs at Techno Fusion 24**

TechTitans from GMIT Mandya secured 2nd place in the Line Follower Bot competition at Techno Fusion 24, showcasing innovation, teamwork, and technical excellence at Jain University.

# PEOPLE & INCLUSION

InUnity emphasizes the importance of diversity and inclusion within its operations. By promoting hiring practices that prioritize diversity and creating a welcoming and inclusive workplace culture. InUnity aims to build a more equitable and just society. This commitment extends to partnering with organizations that advocate for diversity and inclusion, ensuring a comprehensive approach to combating discrimination and inequality.

# EMPOWERING PEOPLE, INSPIRING INCLUSION

At InUnity, we thrive on diversity, where every voice matters and every idea counts. Our culture fosters collaboration, creativity, and growth, ensuring each team member contributes meaningfully while making a real-world impact.

# CULTIVATING INNOVATION THROUGH INCLUSION

At InUnity, we believe that innovation thrives in an environment where every voice is heard and valued. Our diverse team is the heartbeat of our success, bringing fresh perspectives and bold ideas to the table. We don't just talk about inclusion—we live it through collaborative workspaces, leadership opportunities, and initiatives that celebrate individuality. By fostering a culture of respect, creativity, and growth, we ensure that every team member not only contributes to our mission but also finds purpose in making a real-world impact.

At InUnity, we are more than just an EdTech company—we are a movement, a community of future leaders, changemakers, and innovators. Our hiring team is driven by a mission: to find passionate individuals who can ignite inspiration in the youth of tier 2 and 3 cities, empowering them to embrace their unique perspectives and tackle the urgent challenges in their communities.

We are building more than a workplace—we are fostering a culture rooted in Innovation, Compassion,
Accountability, and an unwavering commitment to Excellence. These values are the foundation upon which we empower the next generation of community leaders, equipping them with the courage and vision to shape a better tomorrow.

#### **SOUMYA SHETTY**

HR, INUNITY LLP

# OUR PEOPLE

InUnity's team comprises passionate individuals dedicated to fostering innovation and social change. The organization collaborates with educational institutions, community leaders, industry experts, and grassroots innovators to create a supportive ecosystem for youth. This collaborative network ensures that young problem solvers have access to mentorship, resources, and real-world experiences necessary to develop impactful solutions.

A thriving workplace starts with thriving employees! Through engaging well-being activities, we ensure our teams stay energized, connected, and inspired—because when our people feel their best, they give their best!

3.4
HAPPINESS INDEX

68% RETENTION RATE

56
TOTAL EMPLOYEES













# COMMUNITY DRIVING INNOVATION

How does one drive compassion? At InUnity, we believe it starts with understanding—by immersing students in the challenges of their own communities. Our Community Engagement Team brings real-world problems into the classroom, encouraging students to see, feel, and solve issues that impact the people around them.

By working with Industries, MSMEs, reviving forgotten traditional knowledge, and uncovering new opportunities in entrepreneurship and social impact, we help them connect their skills with a greater purpose. When students realize they can create change where they belong, **compassion turns into action, and innovation becomes deeply personal.** 

80+
CHALLENGE CASE
STUDIES

05
REGIONAL INNOVATION CHALLENGES

83 STUDENT-LED SOLUTIONS









#### MOBILISING GRASSROOTS INNOVATIONS THROUGH INUNITY

#### **MOZZIQUIT**

Mozziquit, founded by Orwin Sequeira, is an innovative solution designed to combat mosquito-borne diseases through eco-friendly and efficient methods. The product utilizes advanced technology for mosquito detection and elimination, ensuring a safe and user-friendly experience. "MozziQuit" is tried, tested and approved for use by The National Institute of Malaria Research/Indian Council of Medical Research, Bangalore and have collaborated with InUnity as its R&D, marketing, and distribution partner, leveraging their expertise to refine the product and expand its reach to a broader audience.

#### **Project Highlight**

On 16th March 2024, 26 students and 2 jury members gathered at ComedKares Innovation Hub, Mangaluru, to develop practical solutions through hands-on problem-solving.

#### **Funding & Grants Secured**

- SIT-SIF DST NIDHI PRAYAS Grant ₹5 Lakh
- MSME Idea Hackathon 3.0 ₹12.5 Lakh
- Elevate 2025 23Lakh











# PLOUGHING TOOL FOR SMALL SCALE FARMERS

This manual plough is designed to significantly reduce the physical effort required by small-scale farmers for ploughing activities. The lever arm and pivot system provide a mechanical advantage, enabling labourers to control the depth and angle of the plough blades with minimal effort. This ergonomic and efficient design helps to increase productivity and reduce fatigue, making it an essential tool for small-scale farming operations. This project is being undertaken by 2nd year ECE and Mechanical students Supreeth T Acharya and Vikas respectively with a Grassroot Innovator recognised by the Krishi Vigyan Kendra, Dakshina Kannada, Mr. Canute Arahna, as a part of the Immersion Program run by InUnity. The team undertook the first demo on the 7th of Jan at KVK in the presence of several scientists.

#### **Project Highlight**

On 7th January, Supreeth T Acharya and Vikas, 2nd-year students, showcased a manual plough developed with innovator Mr. Canute Arahna under InUnity's Immersion Program. The tool reduces farmer effort using a lever-pivot system. It was demoed at KVK Dakshina Kannada before several scientists.







#### MOBILISING GRASSROOTS INNOVATIONS THROUGH INUNITY

#### **RUBBER TAPPING TOOL**

This tool addresses the rubber tapping industry's critical issues: bark damage, reliance on skilled labor, and yield. Guided by the support of Jumpstart, the team delved into research, exploring roller knife concepts and evolving their approach to accommodate varying bark thicknesses and manual adjustments. Unlike traditional options, it caters to both seasoned and new tappers, offering precise cutting with flexible thickness settings. As of now, the first prototype is complete, successfully undergoing user testing.

#### **Project Highlight**

With support from Jumpstart, the team developed a rubber tapping tool that reduces bark damage and labor dependency. The first prototype, designed for all skill levels, offers adjustable precision and has passed initial user testing.

#### **Funding & Grants Secured**

- SIT-SIF DST NIDHI PRAYAS Grant ₹5 Lakh
- MSME Idea Hackathon 3.0 ₹12.5 Lakh







# SEMI AUTONOMOUS SERVING TROLLEY

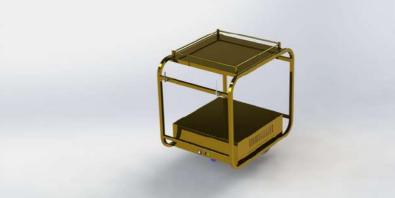
Swarna Sundaram, a visionary hotelier and owner of three Dinkydine Restaurant outlets in Mangaluru, is redefining the dining experience while tackling pressing workforce challenges. Faced with a labor shortage rooted in shifting societal perceptions of dignity in server roles, Sundaram alongside the product development team at InUnity has come up with an innovative solution: reimagining servers as "operators." These operators will oversee autonomous serving trolleys, transforming the role into a more dynamic and respected position. This forward-thinking approach not only addresses labor gaps but also opens doors for individuals with disabilities, especially those with mobility impairments, empowering them to thrive in the workforce. InUnity has been working on the development of this trolley and will be launching it in front of the Hotel Association of Mangaluru. Such a product will revolutionise the hotel experience in cities like Mangaluru.

#### **Project Highlight**

Swarna Sundaram, in collaboration with InUnity, introduced an autonomous serving trolley to tackle workforce challenges in hospitality. This innovation redefines servers as "operators," promoting inclusivity and dignity, especially for individuals with disabilities.







### **IMMERSION PROGRAM**

The Immersion Program is a hands-on innovation program that takes participants from identifying real-world challenges to developing impactful solutions. In Phase 1, the InUnity Community Engagement Team scouts and documents ten grassroots challenges, which are then explored in an open Ideation Event through research, market analysis, and design thinking. The top five refined case studies move to Phase 2, where teams participate in a Hackathon, develop prototypes, refine them with stakeholder feedback, and undergo intensive workshops. Over the next few months, teams strengthen their solutions, secure funding, and prepare for final reviews, ensuring their innovations are practical and ready for real-world implementation.

30

**PROBLEM SOLVERS** 

04

THEMES INTRODUCED BY MCC

06

PROTOTYPES DEVELOPED

# Solve for Dakshina Kannada Initiative with the Mangaluru City Corporation

In Mangaluru, InUnity initiated a SolveforDK initiative in collaboration with the Mangaluru City
Corporation, inviting student builders from across the region to tackle issues related to the corporation as well as gaps in the implementation of the Smart City initiative. 6 proof of concepts came as a result of this initiative tackling administrative and operational issues in the system across Waste Management, Ambulance route optimisation and syncing with traffic systems as well as Bus tracking solutions for private schools and colleges in the region.







#### AUTONOMOUS AMBULANCE ROUTE OPTIMISER

This application is designed to control traffic lights at junctions, enabling smoother traffic flow during ambulance emergencies. By prioritizing emergency vehicles, the system significantly enhances response times and improves road safety, ensuring ambulances can navigate through traffic with minimal delays. This innovative initiative is led by final year students of Sahyadri College of Engineering and Management, Srujan Rai and Zeliqzayyan Kunhi Parambath.



#### **Project Highlights**

Final-year students Srujan Rai and Zeliqzayyan Kunhi Parambath developed a smart traffic light control system to prioritize ambulances. The solution ensures faster emergency response and safer roads by minimizing delays at junctions.



# REAL TIME GARBAGE COLLECTION UPDATES - CITIZEN APP

This application empowers citizens to confirm waste collection and report any missed pickups directly to local authorities. By streamlining communication, the app creates a comprehensive dashboard for health officers, enabling them to prioritize areas or wards with the highest volume of uncollected waste. This innovative initiative is led by Shivakumar and Rituparna, 2nd Year students.



#### **Project Highlights**

On 21st September 2024, Shivakumar and Rituparna introduced a Smart Waste Management App to improve waste tracking and reporting.



#### Application Advantages For MCC

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# Sign up One for dealer Professional Profess

#### Application Advantages For MCC

Easy Communication

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Better Accountability
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Real-Time Tracking

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OS Smart Decision Making
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building ap and helps mannain
a cleaner inherityment.

Keeps Users Informer
Modifications and a calendar
keeps users up to date on where
wester collection is happening
or if there are any changes.





# BUS TRANSPORTATION MONITORING SYSTEM

Designed to enhance student safety and optimize logistics, the system features real-time GPS tracking, automated arrival and departure alerts, RFID-based secure boarding, and a centralized web dashboard built with Next.js and NestJS. This application will act as an extension to the existing services provided by the Onetouchmangaluru app developed by the Smart city team.

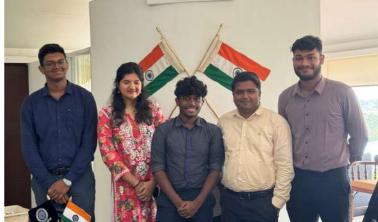


#### **Project Highlights**

On 21st September 2024, Tejas Nayak and team proposed a smart student safety system with GPS tracking, RFID boarding, and automated alerts.







#### **NEERA TAPPING DEVICE**

This project introduces a machine-based tapping system using vibration technology to increase efficiency without harming sap flow. Led by Rohan Balamkar and a skilled team, it is mentored by experts from ICAR-CPCRI, KVK, and Bharatiya Kisan Sangha, with InUnity's support. The team reached the semi-finals at IKP EDEN Nidhi Prayas.





#### **Project Highlights**

Rohan Balamkar and his team developed a vibrationbased tapping system to improve efficiency without affecting sap flow.

#### HATCHWELL TECHNOLOGIES

Altaf Attar, Sarthak Gatty, and Manish won the social innovation program at Sahyadri with an egg incubator that mimics natural conditions. Inspired by Sarthak's father's challenges, they developed a solution sold to local farmers for Rs. 8000. Finalists in ThingQbator Cohort 7, they impact the local farming community.





#### **Project Highlights**

Altaf Attar, Sarthak Gatty, and Manish won the Social Innovation Program at Sahyadri with an egg incubator mimicking natural conditions. Finalists in ThingQbator Cohort 7, their innovation supports local farmers at an affordable cost.

# STARTUPS BY INUNITY **ALUMNUS**

#### **AARVATH LLP**

Team Aarvath from Sahyadri College of Engineering and Management is developing a Solar-Powered Cargo Vehicle to revolutionize grassroots transport. Featuring custom controllers, foldable solar panels, and dual charging, the vehicle ensures durability, low maintenance, and versatility. Guided by InUnity, the team follows a phased development approach to set new standards in quality and sustainability.

#### **Current Stage:**

Development Stage and won 5 Lakhs in Prize Pool from Cisco ThingQbator - Nasscom Foundation









## **OUR COMMITMENT**

At InUnity, we are dedicated to empowering young changemakers, fostering inclusive ecosystems, and addressing real-world challenges through collaboration, creativity, and community engagement. Our mission is to cultivate a society that values innovation, empathy, and sustainability.



# SCALING INUNITY BEYOND KARNATAKA

8 ComedKares Innovation Hubs across Karnataka, completely furnished with industry standard tools and machinery for tier 2 and tier 3 institutions. These canters are also open for community use, encouraging MSMEs and Industry representatives to utilise the space and engage students. So far over 90 industry representatives were engaged in our centres as experts, mentors and project stakeholders.

08

STATE-OF-THE-ART FACILITIES

90+

MENTORS & STAKEHOLDERS

100%

INDUSTRY-READY EQUIPMENT

#### **Next Up in Education Consultancy**

Bridging skill gaps through targeted assessment and specialized training, we aim to empower students with the expertise they need to thrive in roles where they truly excel. Through our Super60/100 program, we offer an intensive training format that prepares students for a wide range of emerging roles in the future of work. By collaborating with technology skill partners, we are unlocking opportunities for students from tier 2 and tier 3 cities across the InUnity network.

#### What's in store?

- Collaboration With KOCON India: Korean Language and placement opportunity at South Korea and Korean companies operating in India.
- Collaboration With Morabu Bangalore Pvt Ltd: Hiring and training talent for companies in Japan and Japanese companies operating in India.
- Collaboration with Talencia Global: 340-hour Talent Acceleration Program targeting specific streams, designed to prepare students for high-demand industry roles.
- Collaboration with Hackerearth: Assessment platform to evaluate and benchmark students' technical skills against industry standards.
- Collaboration with Xarpie (TopCoders): Industry-sourced gigs for students, allowing them to work on live projects remotely.

### **DEMOGRAPHY**

8 ComedKares Innovation Hubs across Karnataka, completely furnished with industry standard tools and machinery for tier 2 and tier 3 institutions. These canters are also open for community use, encouraging MSMEs and Industry representatives to utilise the space and engage students. So far over 90 industry representatives were engaged in our centres as experts, mentors and project stakeholders.

#### WE ARE CURRENTLY SPREAD ACROSS

#### **4 CLUSTERS**

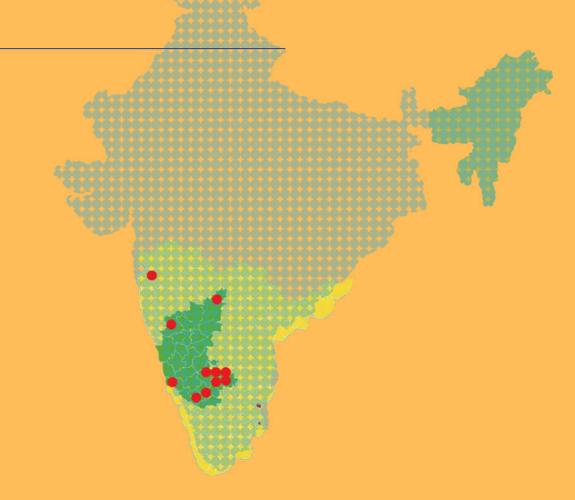
**OUR PROGRAMS ARE GETTING DELIVERED** 

#### 32 INSTITUTIONS

HAVE BELIEVED IN OUR PROGRAM

#### 18,000+ STUDENTS & 22 COMPANIES

Graduated



# **OUR FUTURE**



#### InUnity's Global Expansion Begins

InUnity is taking bold steps to extend its impact across the globe, with new initiatives launching in the USA, Middle East, Malaysia, Singapore, Tanzania, and the Philippines. This expansion reflects our commitment to delivering innovation-driven solutions to diverse communities and tackling global challenges with local insight.

By fostering collaboration between students and regional industries we are building a global ecosystem of changemakers. With a strong focus on sustainability and entrepreneurship, we're empowering local talent to lead impactful change across borders.

### **TESTIMONIALS**



It was a wonderful and excellent experience that I had here in Comed Kares. After the class, I felt like I had paid for the right class. We had fun and were able to get a new knowledge of the tech world and robotics. Thanks to our seniors, we were able to experience such an event. Thanks to all the faculty here in Comed Kares for imparting such knowledge.

Ameer Ali ACM, PA College



The learning environment at COMEDKARES and INUNITY was supportive, making it easy to ask questions & explore ideas. The facilitators were approachable & encouraging, creating a space to grow technically &personally. This experience has enhanced my engineering journey, & I look forward to future projects &competitions. Thank you for this opportunity!

BinduShree H S, Sir MVIT, Bangalore



COMEDKARES Innovation Hub have been game-changers in my robotics journey. The hands-on learning, mentorship, and real-world challenges helped me sharpen my technical skills and think creatively. These platforms not only boosted my confidence but also opened doors to exciting opportunities in robotics and innovation.

Vipin J Balan, Nagarjuna College of Engineering



I think someone with goals and ambitions in life would definitely want to try out this amazing course. This course teaches us the basics we need to know about prototyping and how to identify a problem. Students who would wanna create a change in the existing system would think this course is beneficial.

Vidya Kollur, Sahyadri College of Engineering



I wouldn't envision myself without COMEDKARES. Their programs brought passion into my work, instilled courage in me to pitch projects, and provided a platform for skill development and innovation. Aftab Sir's dedication, even on weekends, made a significant impact on my learning and journey.

Keerthi Gowda, Cambridge Institute of Technology

# **PARTNERS**





















## STUDENTS JOURNEY

Many students faced challenges in their engineering journeys but transformed into innovators through ComedKares. Shruthi gained problem-solving skills, leading to a standout internship. Sumit won national competitions and organized hackathons, shaping his leadership. Soumesh, once new to robotics, became a mentor after victories at IIT events. Vipin overcame struggles to lead university innovations. Sunny and Harish found their passion, earned patents, and won competitions through perseverance and mentorship.

ComedKares has made a significant impact by transforming students into innovators and leaders. Through hands-on learning, mentorship, and national competitions, it has empowered them with technical skills, problem-solving abilities, and confidence. Many have secured internships, won hackathons, earned patents, and contributed to cutting-edge innovations, shaping their careers and inspiring future engineers.

10+

**COMPETITIONS** 

20+

WORKSHOPS/ WEBINARS 02

**PATENTS** 









#### STUDENT SUCCESS STORY:

# SMART HELMET FOR TRAFFIC POLICE

#### A VISION FOR CHANGE

Meet Soumesh, a determined and passionate student whose journey exemplifies the power of perseverance, innovation, and transformation. Fueled by curiosity and a desire to make a difference, Soumesh embarked on a remarkable journey that led to the development of a groundbreaking solution—the Smart Helmet for Traffic Police.

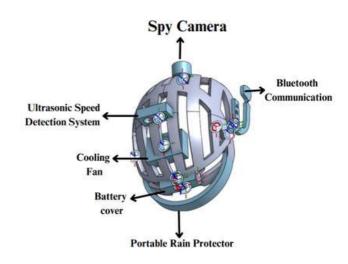
#### **IDENTIFYING THE PROBLEM**

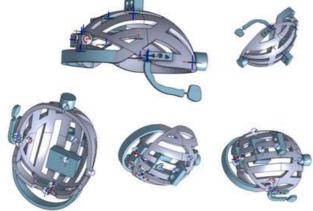
Soumesh recognized the everyday challenges faced by traffic police officers: prolonged exposure to pollution, harsh weather conditions, and outdated communication systems. These obstacles not only affect the well-being of officers but also hinder operational efficiency. Determined to create an impactful solution, Soumesh envisioned an advanced Smart Helmet that would address these issues head-on.

#### **INNOVATING WITH PURPOSE**

The Smart Helmet is a cutting-edge device designed to enhance officer safety and efficiency. Its innovative features include:

- Real-time Air Quality Monitoring: Detects harmful pollutants and immediately alerts officers, ensuring their safety.
- Integrated Communication System:
   Facilitates seamless coordination between officers and command centers.
- Heads-up Display (HUD): Provides essential traffic data and situational updates at a glance.
- GPS and Live Video Transmission: Enhances situational awareness and supports incident reporting.







#### FROM PROTOTYPE TO REALITY

Soumesh's journey from ideation to implementation was not without challenges. Developing the Smart Helmet required rigorous research, technical problem-solving, and consistent prototyping. Despite facing numerous obstacles, he remained resilient, seeking mentorship and refining his ideas through hands-on experimentation. His dedication and passion ultimately led to the creation of a functional model that could set a new standard for traffic management.





#### **IMPACT AND FUTURE PROSPECTS**

The Smart Helmet has the potential to revolutionize traffic management by significantly enhancing officer safety and efficiency. As the project moves forward, Soumesh envisions incorporating Aldriven enhancements to make the helmet even smarter and more adaptive to evolving challenges. With the potential for widespread adoption by law enforcement agencies, this innovation could transform public safety standards worldwide.

#### INSPIRING THE NEXT GENERATION

Soumesh's transformation from a student with an idea to an innovator with a tangible solution showcases the incredible potential of young changemakers. His journey is a powerful reminder that with determination, mentorship, and community support, even the most ambitious dreams can become reality.



# SHRUTHI MAHALAXMI - BANASWADI CENTER JOURNEY

Shruthi Mahalaxmi's engineering journey started during the COVID-19 pandemic, where she faced the challenges of online learning. Despite this, she secured a CGPA of 8.5 but considered herself an average student. In her second year, Shruthi received an opportunity from ComedKares, which sparked her interest in real-world problem-solving and innovation. This marked the beginning of her transformation from an average student to an exceptional one.

Her first breakthrough came during the "Re-imagine Hackathon," where she connected with mentors like Mrs. Saeedah and Ms. Ashwini. This experience introduced her to real-world problem-solving, something her academic studies lacked. She enrolled in the ComedKares Robotics course and learned skills like Raspberry Pi, which she applied in various projects. This early exposure helped her gain hands-on knowledge and confidence.

In her fourth year, Shruthi applied for an internship and impressed interviewers with her understanding of Raspberry Pi. As a result, she was selected as the only candidate for the internship. This achievement was a testament to how the knowledge gained through ComedKares helped her stand out in competitive environments. It also opened doors for her career and further strengthened her technical expertise.

Shruthi's journey with ComedKares not only boosted her academic performance but also elevated her confidence. She became a standout figure in her college, taking on leadership roles and participating in competitions. Reflecting on her experience, Shruthi credits ComedKares with giving her the exposure, mentorship, and skills to excel in both academic and professional settings.







# SUMIT'S JOURNEY: FROM A NOVICE TO A ROBOTICS INNOVATOR

Sumit's journey in robotics began in his third year of Computer Science Engineering when he first encountered ComedKares through his principal, Dr. Vasanthi Ghanti. Encouraged to explore the center's opportunities, Sumit and his peers took part in their first competition at Indore, where they secured first place in the RoboSoccer match. This success ignited their passion for robotics and led them to prestigious competitions across India, gaining valuable exposure and opportunities.

Through ComedKares' Smart Entrepreneurship Program, Sumit and his team developed innovative solutions like a smart helmet, a portable chair, and a police personnel application. They organized the first-ever Hackathon in the Hyderabad-Karnataka region, which attracted students from various regions. With ComedKares' support, they expanded the event, gaining recognition and even a visit from the Director of ComedKares.

The mentorship Sumit received from Sachin Sir and Lohit Sir played a crucial role in his transformation. They guided him through robotics, Arduino concepts, and prototype development, helping him evolve from a novice to an innovator. These insights empowered Sumit to take on leadership roles and gain hands-on experience, ultimately shaping his future career in robotics.

Today, Sumit works at Noma Health in Bangalore, crediting much of his success to his time at ComedKares. His journey demonstrates the power of mentorship, hands-on learning, and real-world exposure in transforming a student into a leader. Sumit now aims to inspire other students by sharing his story and encouraging them to seize opportunities beyond their academic.







# VIPIN J BALAN'S JOURNEY: FROM ROBOTICS ENTHUSIAST TO INDUSTRY INNOVATOR

Vipin J Balan's engineering journey began at Ramaiah University of Applied Sciences, where he initially struggled with electronics but excelled in coding. In his third year, a visit to the ComedKares Innovation Hub in Yelahanka proved transformative, sparking his interest in robotics. Motivated by the cutting-edge technologies he saw, he enrolled in a Robotics Workshop, guided by mentors Mr. Hemanth and Ms. Akkamahadevi.

Vipin's journey at ComedKares involved working on several robotics projects, such as a Maze Solver Bot and Pick and Place Bot, which he entered into competitions like those at IITs. The hands-on experiences honed his technical and problem-solving abilities. In his sixth semester, he worked on the "Sledge Optimizer" project, winning various competitions and becoming finalists at the Smart India Hackathon.

Vipin's leadership skills flourished as he took on a role in the Innovators Club at ComedKares. He mentored other students and led the club to success in technical and idea-pitching events. He also expanded his expertise by enrolling in an IoT course and attending workshops on 3D printing, CAD modeling, and bot building. These experiences deepened his technical knowledge and prepared him for more advanced challenges.

Vipin's comprehensive skill set led him to secure a paid internship at TIF Labs, where he worked in embedded systems. He credits his success to the mentorship and hands-on learning at ComedKares, which gave him the skills and confidence to excel. Vipin's story exemplifies how mentorship and determination can transform challenges into opportunities.







# HARISH V - A JOURNEY FROM CHALLENGES TO ROBOTICS SUCCESS

Harish V, a Robotics student at Ramaiah University of Applied Sciences, began his engineering journey with a passion for robotics but faced struggles with coding and lacked confidence in his abilities. His academic performance was average, but his interest in building projects kept him motivated. He was eager to find opportunities to grow his knowledge and overcome his challenges, even though it felt like a constant uphill battle.

In his third year, Harish's journey took a significant turn when he visited the ComedKares Innovation Hub in Yelahanka. The cutting-edge technologies and innovative robotic projects at the center inspired him. Intrigued by the potential for hands-on learning, Harish enrolled in the Robotics Workshop, where mentors Mr. Hemanth and Ms. Akkamahadevi guided him through the intricacies of Arduino, Raspberry Pi, and robotics. This exposure allowed Harish to enhance his technical skills, providing him with a deeper understanding of robotics and newfound confidence.

After completing his internship, Harish became a regular at the Innovation Hub, where he immersed himself in various projects. He formed a team with like-minded individuals and participated in robotics competitions across Bengaluru, including IITs, where they won the prestigious Line Following Bot competition.

Harish's journey eventually led to collaboration with Ms. Ashwini, the Center Manager, on a project called "Sledge Optimizer." They visited the BWSSB Water Treatment Plant to understand real-world challenges and developed a prototype. They became finalists in the Smart India Hackathon, marking a significant milestone in Harish's career.







# FROM RELUCTANT ENGINEER TO ROBOTICS CHAMPION: A JOURNEY OF INNOVATION

Sunny never intended to pursue engineering; his true passion was architecture. However, under parental pressure, he found himself in computer engineering, a field that felt foreign and overwhelming. Initially uninterested, his perspective changed when he attended a robotics workshop by ComedKares. This unexpected experience introduced him to RoboSoccer and hands-on learning, sparking a newfound interest.

Encouraged by mentors, he joined competitions, starting with an event in Indore. With just days to prepare, his team built a functional robot and performed exceptionally well. Success continued with victories at Ayatindra, but challenges arose in Kanpur due to insufficient preparation. Undeterred, they returned to college and shared their learnings through science fairs and mentorship.

Driven by curiosity, they explored real-world applications, conducting field studies on police technology needs. Their research led to innovative solutions, earning them a temporary patent and a bronze medal. They also organized the first regional hackathon, overcoming initial setbacks and inspiring new participants. These experiences honed Sunny's leadership skills and deepened his passion for innovation.

As his journey progressed, he shifted towards research, product development, and entrepreneurship. Encouraged by mentors, he explored startup ideas, working on automated water solutions and safety innovations. What started as an unchosen path transformed into a passion for technology and leadership.







# EVENTS WE ARE A PART OF

We are thrilled to have participated in several impactful events, fostering innovation, collaboration, and real-world problem-solving. From AI hackathons to faculty development programs and groundbreaking policing solutions, these initiatives continue to bridge the gap between industry and academia.

# BRIDGING THE GAP FOR FUTURE TALENT: KEYNOTE BY SREEKANTH K ARIMANITHAYA

The InSync Nexus event successfully brought together HR leaders, Training & Placement Officers (TPOs), and institutional heads from 45+ organizations and 50+ institutions to address the critical skill gap between academia and industry. The keynote session by Sreekanth K Arimanithaya provided valuable insights into aligning education with industry demands, ensuring graduates are well-equipped for the evolving job market.



#### **Empowering Talent Through Collaboration**

The event featured interactive discussions and networking opportunities, allowing participants to share best practices and explore strategies for effective talent development. The session emphasized the importance of industry-academia collaboration in building a future-ready workforce and fostering innovation-driven learning environments for sustainable growth.

#### Industry-Academia Synergy for Future Workforce

Organized in association with Global HR Community, Karnataka Digital Economy Mission (KDEM), Visvesvaraya Technological University (VTU), and Sahyadri College of Engineering & Management, the event successfully created a platform for meaningful dialogue and actionable insights. The initiative was widely appreciated for its role in shaping the next generation of industry.







45+ HR

# FACULTY DEVELOPMENT PROGRAM ON INNOVATION & ENTREPRENEURSHIP

The Faculty Development Program (FDP) on Innovation & Entrepreneurship, sponsored by MoE's Innovation Cell (MIC) and AICTE, was successfully conducted at Sahyadri College of Engineering & Management, Mangaluru. The program aimed to equip educators with the necessary skills and insights to drive innovation and entrepreneurial thinking in institutions.

#### **Shaping Future Innovators Through Faculty Development**

Led by industry experts and thought leaders, the sessions provided a platform for faculty to explore best practices, engage in discussions, and develop strategies for fostering an innovation-driven environment. The event was graced by InUnity's leadership team, including Johnson Tellis (CEO), Gautham Nayak (COO), and Sreekanth K Arimanithaya (Board of Directors).

#### Bridging Academia and Entrepreneurship for Future

The initiative was widely appreciated for its impact in bridging the gap between academia and entrepreneurship. With a strong commitment to continuous learning and collaboration, this program is a significant stepping stone towards creating an ecosystem that nurtures future-ready professionals and fosters a thriving culture of innovation in educational institutions.







# EG AI INNOVATION HACKATHON 2024 – A GRAND CELEBRATION OF TALENT & TECHNOLOGY!

The energy was high at EG Premises, Mangalore, as the hackathon kicked off with an exciting inauguration. Talented teams jumped into their proof-of-concept presentations, showcasing their innovative ideas in Al. Stay tuned for more updates as these bright minds take on exciting challenges!

#### **Celebrating Success and Future Innovators**

The hackathon concluded with a grand valedictory ceremony, honoring the hard work, dedication, and creativity of all participants. It was truly inspiring to see teams push their limits, tackle complex challenges, and come up with innovative Al-driven solutions. Huge congratulations to the winners and every team that showcased remarkable ingenuity and perseverance.

#### Global Leaders Inspire Future Al Innovation

We were honored to welcome the global heads of EG—Mr. Mikkel
Bardram (CEO), Allan Bech (CTO), Ms.
Tina Bodin (Head of HR), and Rasmus
Dalby Martinussen (SVP)—who flew in from Denmark. Their presence,
expertise, and encouragement inspired students to challenge limits, think innovatively, and explore groundbreaking possibilities in Aldriven solutions.









# INUNITY'S BANDOBAST APP WINS FICCI SMART POLICING AWARD 2025!

InUnity, driven by a strong commitment to community impact, partnered with Mangalore City Police to revolutionize event security and coordination. This collaboration aimed to develop a seamless, technology-driven solution that enhances efficiency in managing high-security events and ensures smoother operations.

#### The Innovation Behind Bandobast App

Led by CTO Preetham Kulal and a dedicated team, the Bandobast App was specifically designed to assist officers in planning and managing large-scale events efficiently. From securing high-profile dignitaries to seamlessly managing annual events like Dasara, the app builds a reliable institutional memory, significantly improving strategic planning, coordination, and execution processes.

#### National Recognition and Future Impact

Under the guidance of Police
Commissioner Anupam Agrawal and
DCP (Law & Order) Siddarth Goyal, the
initiative received national recognition,
winning the FICCI Smart Policing
Award 2025 in the Smart Police
Station category. This achievement,
selected from 127 entries across India,
highlights the impact of collaboration
between InUnity, Sahyadri College of
Engineering & Mangaluru City Police.





# INUNITY AT DEVFEST 2024: INSPIRING TECH FOR SOCIAL CHANGE

Our co-founder, Gautham Nayak, spoke at DevFest 2024 Belagavion November 27th at KLS Gogte Institute of Technology, sharing insights on community-centric innovation and entrepreneurship. Addressing 400+ tech enthusiasts, he emphasized collaboration and problem-solving.



He highlighted InUnity's impact through the ComedKares Innovation Hubs, which empower students in tier 2 and 3 regions to drive social innovation. The session left the audience inspired, reinforcing technology as both a skill and a tool for meaningful change.



# MOZZIQUIT SECURES ₹23 LAKHS GRANT IN ELEVATE 2025 INITIATIVE

MozziQuit Solutions Pvt Ltd, a product of InUnity Venture Studio, has received ₹23 lakhs under the Elevate Karnataka funding scheme for its patented, eco-friendly mosquito trap that uses light-based attraction without UV radiation and a suction-based capture system for chemical-free mosquito control.



With strong backing from InUnity, MozziQuit has gained product development and market access support, ensuring a wider impact. This funding is a major step toward creating healthier, mosquito-free communities through innovation.



# DRIVING INNOVATION AND BUILDING A FUTURE-READY WORKFORCE WITH EXPERT LEADERSHIP

At InUnity, growth means creating value and fostering innovation. We're excited to welcome Sreekanth K Arimanithaya to our board, aligning with our mission to build a future-ready workforce and nurture entrepreneurial talent. His experience brings valuable insights for impactful change.



This partnership marks a significant milestone in our journey. Together, we look forward to shaping the next generation of innovators and leaders, strengthening industry-academia collaboration, and driving sustainable growth.



# EXPERT FINANCIAL PLANNING INSIGHTS FOR A SECURE FUTURE

InUnity had the honor of hosting Mr. Narendra Kumar, a certified financial planner with over two decades of industry experience. He provided a detailed understanding of financial planning, emphasizing strategic resource utilization and the importance of cultivating prudent financial habits.



A sincere appreciation to Mr. Kumar for sharing his expertise and insights. His guidance helped individuals make informed financial decisions with confidence. The session deepened our understanding of financial management and encouraged disciplined saving, smart investments, and long-term wealth creation.



# CELEBRATING INNOVATION: AGRI-TECH GRANT AWARDED TO JUMPSTART PARTICIPANTS

Hemanth S. Rao and Sathwik Shailesh Kumar, part of the Jumpstart program, secured the prestigious Agritech Ignite Grant of up to ₹5 Lakhs. Their innovative project, incubated at Siddaganga Institute of Technology, was supported by the NSTEDB, DST, Government of India. This achievement highlights the impact of dedicated mentorship and support provided through Jumpstart.



Their breakthrough in Agri-Tech holds promise for transforming the agricultural landscape. The success showcases our commitment to nurturing young innovators and enabling real-world impact. We take pride in being a platform that empowers ideas into action.



# MR. PRAKASH URS RECOGNIZED AS A GLOBAL INVENTOR BY IFIA

We proudly congratulate Mr. Prakash Urs on earning the esteemed title of "Inventor" from the International Federation of Inventors Association (IFIA), Geneva. With five national and one international patent, his journey reflects a true spirit of innovation.

Mr. Urs continues to inspire with his contributions to global technological progress. His recognition marks a significant milestone and sets the stage for even more pioneering breakthroughs in the future.



# **#YOUTHIMPACT30: IGNITING INNOVATION ON NATIONAL YOUTH DAY**

In celebration of National Youth Day, we launched the #YouthImpact30 challenge to spotlight young changemakers with powerful ideas for a better tomorrow. Participants shared 60-second videos addressing societal issues, proposing innovative solutions, and nominating friends to spread the spark of change.



The challenge received inspiring entries judged on creativity, feasibility, and potential impact. Winners were announced on January 12th at 10 AM, recognizing youth voices making a difference. We're proud to empower future leaders through this engaging and impactful initiative.



# WOMEN WITH WINGS: SOARING TOWARD HEALTHCARE INNOVATION

InUnity proudly celebrates Saeedah, Akkamahadevi, Nivedha, and Ashwini for representing us at the TIE Women's Bangalore Summit. Their presence marked the launch of our inspiring 'Women With Wings Series,' a platform designed to foster innovation and empowerment among women changemakers.



A thought-provoking panel with experts like Dr. Asha Subramanian and Dr. Shefali Karve delved into healthcare trends and entrepreneurial thinking. This initiative reinforces our commitment to building inclusive spaces that shape the future of healthcare innovation.



2024-25 INUNITY ANNUAL REPORT

# **THANK YOU**

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