



KARNATAK LAW SOCIETY'S

GOGTE INSTITUTE OF TECHNOLOGY

Belagavi - 590 008, Karnataka, India | Website : www.git.edu

An Autonomous Institution under Visvesvaraya Technological University, Belagavi.



Centres of
EXCELLENCE
@ KLS GIT

KLS GIT
Promoting Value Based Education

46 Years of
Excellence

CET CODE (Engg.): E037 | CET CODE (Arch.): E295 | COMED-K CODE : E073 | DCET CODE : E037
MBA CODE : B200 | MCA CODE : C434 | MTech CODE : T839

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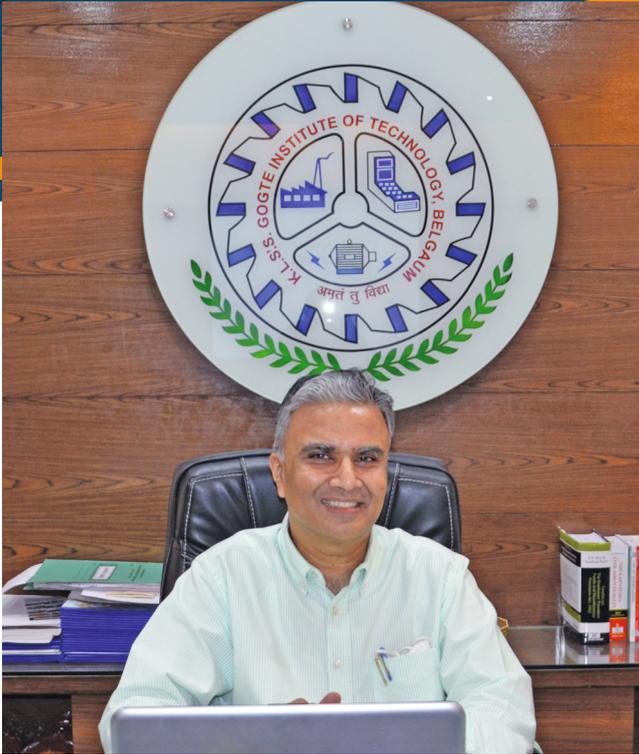
KARNATAK LAW SOCIETY (KLS)

A group of freedom fighters and eminent lawyers founded the Karnatak Law Society in 1939. Their distinguished vision and sheer service motto, not only brought succor and solace to a large number of quality education aspirants, but it also paved the way for the establishment of one of the greatest institutions of all times to come. Today, KLS has grown to become one of the most respected societies in this part of Karnataka. With serious academic pursuits and quality as its hallmark, KLS has been the fore-runner in all the academic endeavours.

KLS imparts unparalleled quality education in Engineering, Management and other allied areas to more than 20,000 students through fourteen institutes situated in various parts of Northern Karnataka. KLS is managed by an elite pool of professionals which includes Lawyers, Engineers, Doctors, Industrialists and Chartered Accountants.

Institutes run by KLS

- KLS R.L. Law College, Belagavi 1939
- KLS Gogte College of Commerce, Belagavi 1954
- KLS School of Business Management, Belagavi 1977
- KLS Gogte Institute of Technology, Belagavi 1979
- KLS Institute of Management Education and Research, Belagavi 1991
- KLS Vasantrya Potdar Polytechnic, Belagavi 1992
- KLS Bachelor of Business Administration, Belagavi 1996
- KLS Bachelor of Computer Application, Belagavi 1999
- KLS Pre-Primary, Primary and High School, Belagavi 2002
- KLS Vishwanathrao Deshpande Institute of Technology, Haliyal 2004
- KLS Pre-University Science and Commerce College, Haliyal 2007
- KLS College of Computer Application (BCA), Haliyal 2009
- KLS Public School (CBSE), Belagavi 2011
- KLS Degree College, Haliyal 2024



FROM THE CHAIRMAN (Engineering)

KLS GIT, which began its illustrious journey in 1979, today occupies a prestigious position in the state of Karnataka and well beyond. Our amazing alumni occupy positions of eminence across a spectrum of companies pan India and abroad, while many others started or joined family owned companies that have an all India standing. This KLS GIT family is a source of strength that sets us apart.

We are also very proud of being accorded the Autonomous status in 2015. This has allowed us to be alert to the changing trends of the market-place and tailor curriculum and electives for our students' benefit. Our distinguished teaching faculty engages in thoughtful teaching, mentorship, and practical projects. KLS GIT is all about 360 degree development of its students. A walk through our lovely campus will imbue you with a sense of calm and connection with nature right in the heart of the city while a peek into our buildings will reveal labs, classes, computing arrays, libraries and teaching/learning that is world class.

With Best Wishes

Shri Rajendra Belgaumkar
Chairman,
KLS GIT Governing Council (Engineering)



FROM THE CHAIRMAN (MCA/Arch./MBA)

KLS Gogte Institute of Technology (GIT) is a premier engineering institution located in Belagavi, Karnataka. Established in 1979, GIT has a strong reputation for academic excellence and innovation. The institute offers undergraduate and postgraduate programs in various Engineering, Management, & Architecture disciplines. KLS GIT is an Autonomous Institution with A+ accreditation from NAAC.

GIT is known for its state-of-the-art infrastructure, experienced faculty, and strong industry connections. The institute has a vibrant campus life, with various extracurricular activities and clubs that foster holistic development. GIT's commitment to quality education and research has earned it recognition from regulatory bodies and accreditation agencies, making it a popular choice among students and employers alike.

With Best Wishes

Shri Pramod N. Kathavi
Chairman,
KLS GIT Governing Council (MCA/Arch./MBA)



FROM THE PRINCIPAL

As Principal, it's my pleasure to introduce you to our institution, where excellence meets innovation. At KLSGIT, we are committed to nurturing the next generation of engineers who will shape the future. Our dynamic curriculum, state-of-the-art facilities, and dedicated faculty ensure that every student receives a best of education that prepares them for success in the ever-evolving field of engineering. We offer comprehensive programs that blend theoretical knowledge with hands-on experience. Our goal is not just to teach students how to solve problems but to empower them to become problem solvers, innovators, and leaders in chosen field.

Beyond academics, we provide numerous opportunities for personal and professional growth through internships, research projects, industry collaborations, and extracurricular activities. We believe in holistic development and strive to create an environment where students can thrive academically, socially, and personally.

With Best Wishes

Dr M. S. Patil
MTech, PhD
Principal

ABOUT KLS GIT

KLS Gogte Institute of Technology (KLS GIT), the flagship Institute of Karnatak Law Society, Belagavi, was incepted in the year 1979, named after eminent Industrialist and Philanthropist Late Mr. Rao Saheb Gogte. KLS GIT is approved by AICTE and UGC and is an Autonomous Institution under Visvesvaraya Technological University, Belagavi. The Institute also carries the distinction of getting A+ Accreditation by NAAC in first and second cycle and conferred with NBA accreditation in 2004, 2008, 2015, 2021 and 2023 for few programmes.

VISION

KLS Gogte Institute of Technology shall stand out as an Institution of Excellence in Technical Education and in training individuals for outstanding calibre, character coupled with creativity and entrepreneurial skills.

MISSION

To train the students to become Quality Engineers with high standards of professionalism and ethics who have positive attitude, a perfect blend of Techno-Managerial Skills and problem solving ability with an analytical and innovative mindset.

Centre for Interdisciplinary Design and Innovation (CIDI)

Imagine Design

Innovate

The Centre for Interdisciplinary Design & Innovation (CIDI) at KLS Gogte Institute of Technology, Belagavi, established on 13th July 2024 is a dynamic hub that empowers students, faculty, and industries to collaborate, innovate, and create impactful solutions.

With the support of the Dassault Systèmes 3DEXPERIENCE Platform, CIDI provides access to world-class digital engineering tools, fostering creativity, interdisciplinary research, and industry partnerships.



Vision

To nurture a culture of research, innovation, and interdisciplinary learning that addresses real-world challenges.

Mission

To equip learners with global-standard digital tools and skills, and to build next-generation engineers, designers, and innovators.

Why CIDI?

- A hub for interdisciplinary research across multiple engineering domains.
- Powered by Dassault Systèmes, a global leader in 3D design and simulation.
- Driving startups, product design and innovation-driven projects.



Benefits

- Acquire industry-ready skills
- Work on real-world interdisciplinary projects
- Boost employability with certifications
- Collaborate with industry mentors & global networks
- Build an innovation-first mind-set

Impact Beyond Campus

- Offering solutions to MSMEs and startups
- Supporting sustainable & smart technology development
- Strengthening the academia–industry bridge

Key Achievements

- Research Papers published through CIDI in peer reviewed journals and conferences
- Industry projects with the mentorship of Dassault Systèmes
- Skill development courses

Contact Details:

Centre for Interdisciplinary Design & Innovation (CIDI)
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✦ “CIDI – Where Ideas Take Shape.
Where Innovation Meets Reality.” ✦

Center of Astrophysics

KLS Gogte Institute of Technology has established center of astrophysics in association with Indian Institute of Astrophysics in 2023. The center offers research opportunities and internships to the students. The center has floated an open elective course, certification courses, and astronomy club courses. The center conducts outreach activities such as organizing star gazing sessions, astronomy exposure camp, and visits to schools to generate awareness about astronomy. The center collaborates with amateur astronomers, scientists and faculties from other national level institutes for its various activities.

Areas of interest

- Observational astronomy
- Radio astronomy of 21 cm radiation
- Physics and astronomy education
- Relativistic thermodynamics

Facilities and infrastructure

- Library facility
- Computation facility
- 10-inch Meade telescope with a go-to mount and CMOS imager
- SSP-3 photometer
- 10-inch Celestron Dobsonian telescope
- 12-inch Celestron Dobsonian telescope



10" Meade Telescope



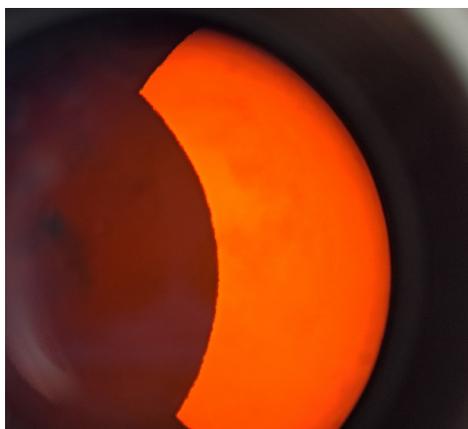
Horn antenna for 21 cm detection

Achievements and activities

- Participation of 3000+ students from schools and colleges in star gazing sessions
- 3 Publications in reputed international conference and journal
- Astronomy exposure camp in collaboration with Indian Institute of Astrophysics
- Pratikruti- Outreach activity to increase awareness about astronomy in 10+ schools
- Conduction of workshop, which is funded by Vigyan Prasar, on Meghnad Saha
- Contribution to Vidyarthi Vigyan Manthan, a nationwide activity conducted by Vigyan Bharti, NCERT and Vigyan Prasar.
- Consultancy to Kalhandi University, Odisha to establish observatory.



Star gazing session in progress



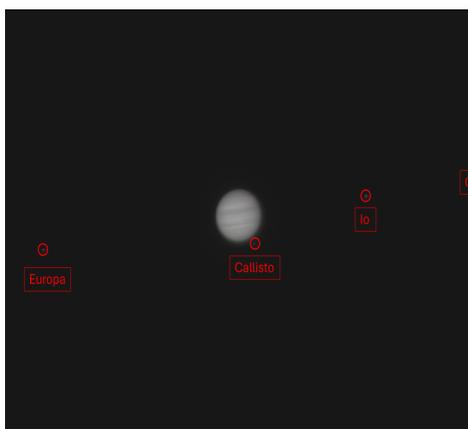
Partial Solar Eclipse



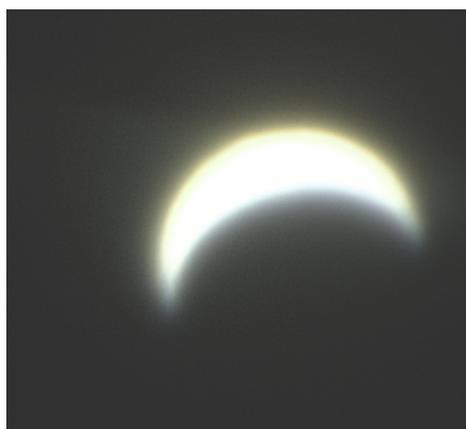
Craters in the Moon



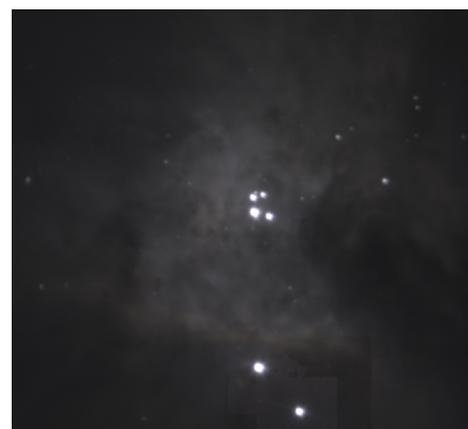
Sunspots



Jupiter with Galilean Moons



Phase of Venus

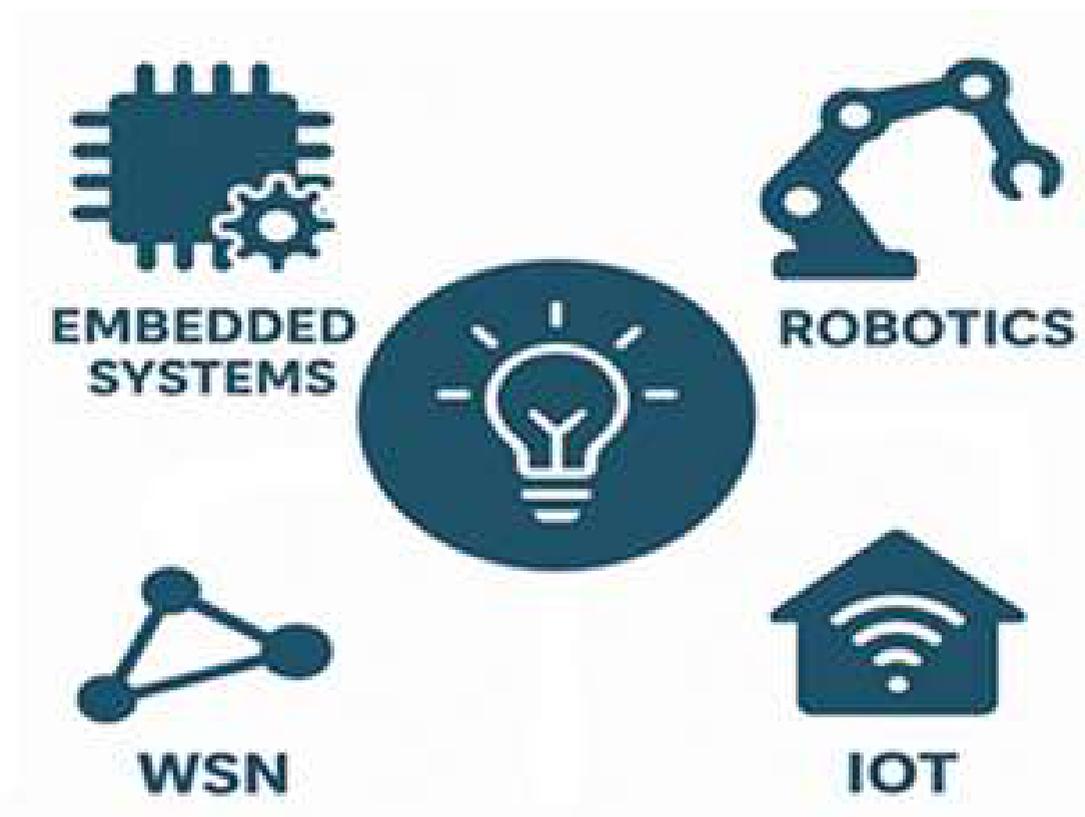


Orion Nebula

Centre for Embedded System, Robotics, WSN, IoT (Texas Instruments)

Foster the development of a skilled workforce to address the evolving challenges in the Embedded System, Robotics, WSN and Internet of Things (IoT) sector. Enhance laboratory facilities to support hands-on training, design, implementation, and maintenance. Establish a dedicated competence center focused on research and innovation across diverse Embedded System, Robotics, WSN, IoT domains. Set up a technology business incubation center to drive Embedded System, Robotics, WSN, IoT start-ups and innovation.

Areas of Expertise



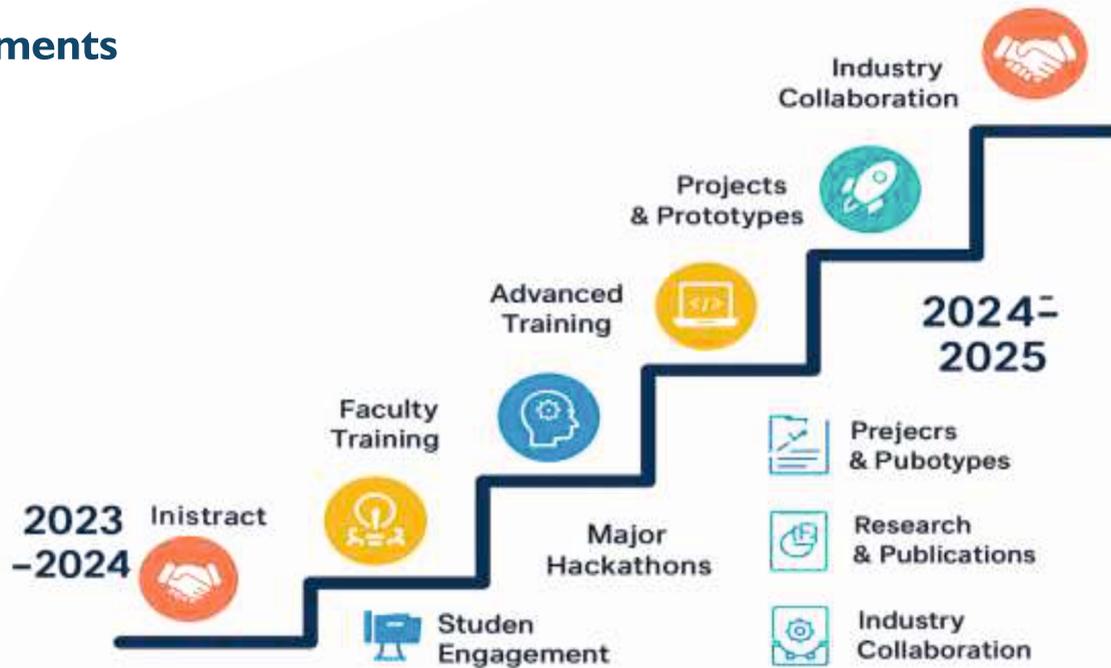
Facility & Infrastructure

The Centre was established in 2023–2024 with the support of Steps Knowledge Services Pvt. Ltd., the University Program Partner of Texas Instruments for a period of three years. The Texas Instruments–KLSGIT Centre of Excellence (CoE) in Embedded Systems, Robotics, WSN, and IoT has created the

necessary infrastructure to enable various faculty groups to design and conduct Training Programs, hackathons, Project Competitions, and Proof-of-concept initiatives. At present, equipment including sensors, actuators, development boards, IoT kits, WSN boards, and other devices is available and being utilized by different faculty groups.



Achievements



Activity & Research Collaboration

- Training Programs
- Faculty Development Programs
- Internship
- Product and Solution Development IoT Platform Development



Electric Vehicle Center of Competence (EV-COC)

Centre of Competence (CoC) in Electric Vehicle Technology at KLS- Gogte Institute of Technology, Belagavi in partnership with Decibels Lab Pvt Ltd. Bangalore was established in 2024. EV-CoC aims equip our students with the necessary practical skills and knowledge that are highly sought-after in today's EV job market and contribute to the growing field of electric vehicles and sustainable transportation.

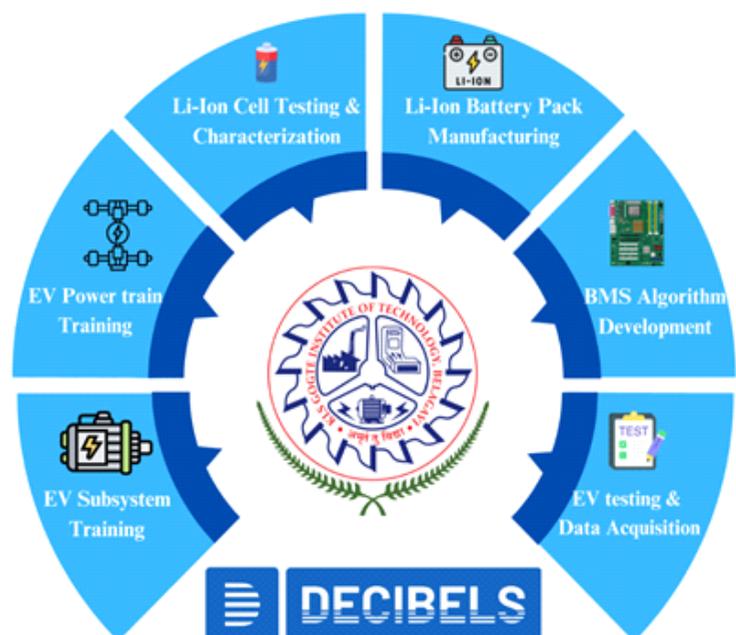
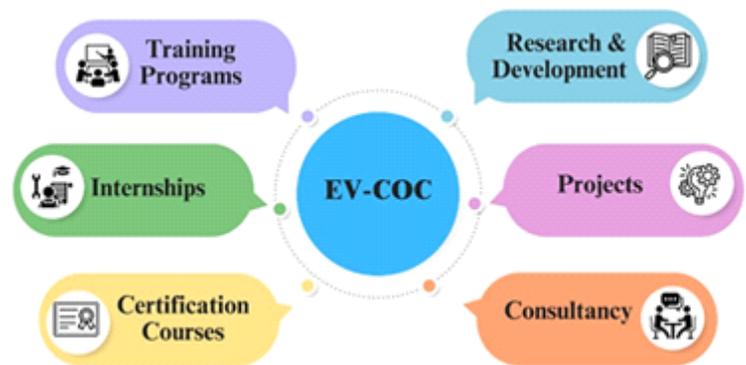
The Objective of EV CoC:

- To create industry-ready talent pool for EV sector demands by facilitating domain-specific, hands-on training programs for students, fresh graduates, faculties & Industry professionals.
- Collaborating with the industries in assisting/creating courses, elective subjects, honors, post-graduate diploma programs, master degree's, practical labs & E-learning learning content.

This facility will provide hands-on experience in designing, building, and testing electric vehicles. The setups will also provide opportunities for research projects related to electric vehicles and sustainable transportation. Also various training programs, short term courses, testing facilities & consultancy projects can be carried out. This COC with Industry partnership will help the organization to achieve the above goals in a more professional way.

Facilities at KLS GIT EV-COC:

- Lithium-Ion Battery Manufacturing Kit. Cell testing & characterization unit (5V, 12 A, 8 Channel with Data Acquisition Hardware & Software)
- Environmental Chamber (-20 degree to +80 Degree Celsius with Humidity Control)
- Cell Impedance Testing Machine
- BMS Algorithm Implementation Kit
- Chassis Dynamometer (Inertial Dyno)
- Electric Test Vehicle with Data acquisition system
- EV Demonstration kit



Activities Conducted:

- Conducted Electric Vehicle and E-mobility certification course
- Conducted internship program to final year students
- Offered projects to final year students
- Conducted skill lab to pre-final year students



EV facilities at KLS GIT



Dynamometer Two wheeler Test Bench



Lithium Ion Cell Testing and Characterization



Certificate Course in EV and E-mobility offered to students

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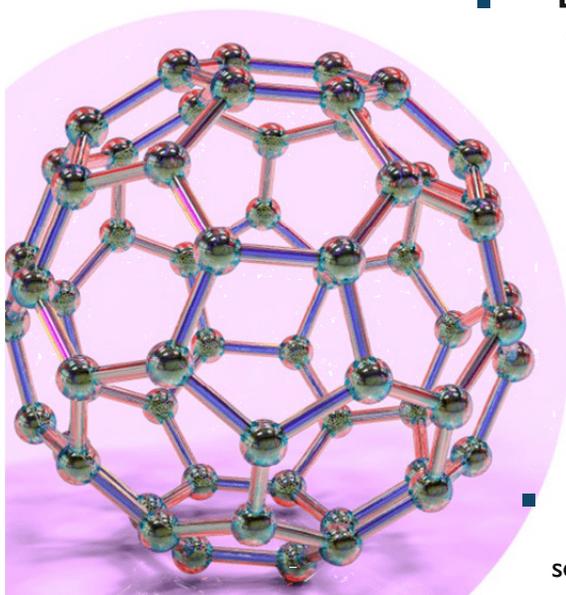


Internship program offered to students

Centre for Nanoscience and Nanotechnology

The objective is to foster a vibrant research and teaching environment that encourages interdisciplinary collaboration among researchers from diverse fields. Facilities will be developed for advanced research, student projects, internships, and industry partnerships to support innovation and technology transfer. Efforts will also include organizing seminars, workshops, and collaborative programs to promote nanoscience and contribute to high-tech industrial growth in the region.

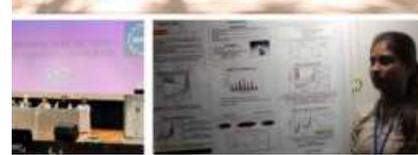
Areas of Expertise



- **Development of electrochemical Sensors:** Electrochemical sensors are developed for heavy metal and toxic chemical detection by modifying electrodes with nanomaterials like graphene oxide, metal-organic frameworks (MOFs), or conducting polymers to enhance sensitivity, selectivity, and detection limits.
- **Photocatalytic Degradation for water treatment:** Photocatalytic degradation using metal oxide nano composites, Graphitic Carbon Nitride, MoF that uses light-activated semiconductor photocatalysts to break down organic pollutants in wastewater into non-toxic, harmless substances like carbon dioxide and water.
- **Water purification using Ion Exchange Resins.:** Water purification using ion exchange resins with nanoparticles involves combining the ion-swapping capabilities of resins with the enhanced properties of nanomaterials to remove contaminants more effectively.
- **Thin film/Membrane for water purification:** Thin-film composite (TFC) and thin-film nanocomposite (TFN) membranes are developed with an ultrathin selective layer that are highly effective for water purification and desalination.

What CoE Caters

- Certification Courses
- Internships
- Projects for UG and PG Students
- Invited talks
- Lecture series
- Industry visits
- Technical paper presentation
- Paper presentation in national and international conference by UG students, etc.
- Organizing National and International Conference, FDP, etc



Achievements :

■ Research Funding received:

Sl. No	Project Title	Sponsoring agency
1	Separation of anions from aqueous and mixed aqueous solvents by Ion Exchangers	VTU
2	Development of Evanescent wave fiber optics chemical sensor	VGST
3	Application of Nanotechnology in water treatment	VGST
4	Paper Battery	VGST
5	Photocatalytic degradation to improve water treatment	VGST
6	AICTE SPICES	AICTE

- 200+ research publications in Scopus/SCI/Web of science indexed and quartile journals,
- Various testing and consultancy works for industries and power sectors such as Prithvi Metals Pvt. Ltd, Garud Allied Technologies, Karnataka Power Corporation Limited
- Published 3 Patents
- 15+ Book Chapters published in national and international publications,
- 9 Research Scholars conferred with Ph. D degrees and 6 research scholars are perusing Ph.D.
- 30+ UG & PG projects carried out.

MoU`s:

MoU with Garud Allied Technologies, which is a primary hardchrome and electroless plating unit located in Belagavi

MoU with KJ Somayya Institute of Applied Agriculture Research (KIAAR), Sameerwadi, District Bagalkot, Karnataka

Mou with Rubber, Chemical & Petrochemical Skill Development, Council, New Delhi

International Collaboration:

1. University of Extremadura, Avda de Elvas, Spain.
2. King Abdulaziz University, Saudi Arabia
3. Department of Biochemistry, Universiti Putra Malaysia

Facility and Infrastructure:

Lab has state-of-the-art indigenous synthesis and fabrication facilities for material growth, thin film casting and wet chemical lab facility.

Electroplating pilot plant setup by Garud Allied Technologies Industry.



Photocatalytic Reactor



Electrochemical Work Station



UV Vis Spectrophotometer



Thermal conductivity apparatus

Center of Excellence in Precision Engineering

Precision engineering has revolutionized modern manufacturing, offering numerous advantages that make it crucial for industries seeking high-quality, efficient, and cost-effective production.



Enhanced Accuracy and Quality
Tight Tolerances
 CNC machines can achieve precision levels as fine as 10 microns (1/7th the width of a human hair). Result:

- Plus
- Consistent product quality
 - Improved functionality and smooth operation of parts
 - Enhanced durability and reliability of components
 - Ability to meet strict industry standards and regulations



By incorporating practical precision engineering into its curriculum, KLS GIT can ensure its graduates are equipped with cutting-edge skills that are highly relevant to today's industrial needs .

This is particularly important in sectors such as aerospace, automotive, medical devices, and electronics, where precision is critical.

Make in India
 PLI scheme to support manufacturing (precision engineering) in 14 sectors.

755 applications approved across 14 sectors as of March 2024.
 Total investment of ₹ 1.23 lakh crore (approx. \$16.4 billion).

Jobs are being created

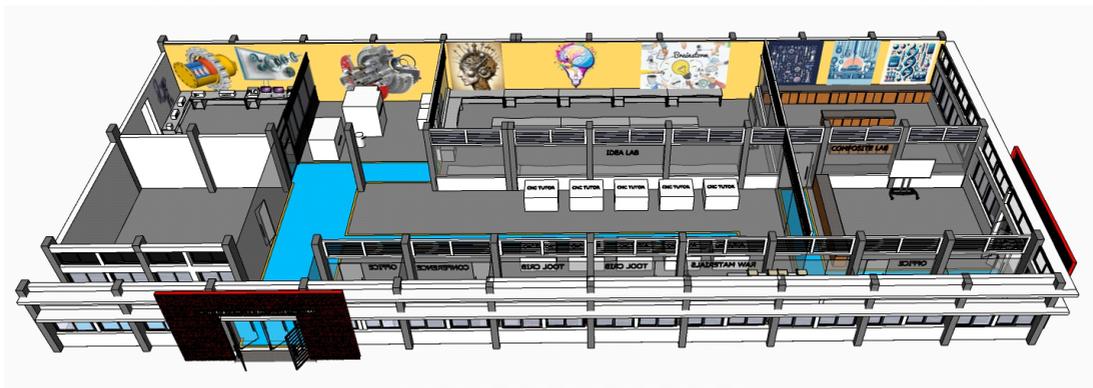
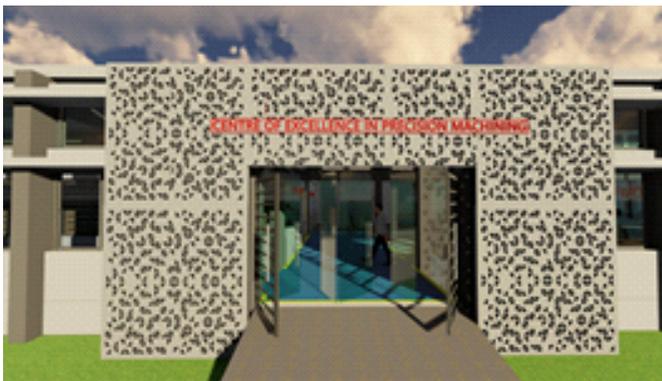
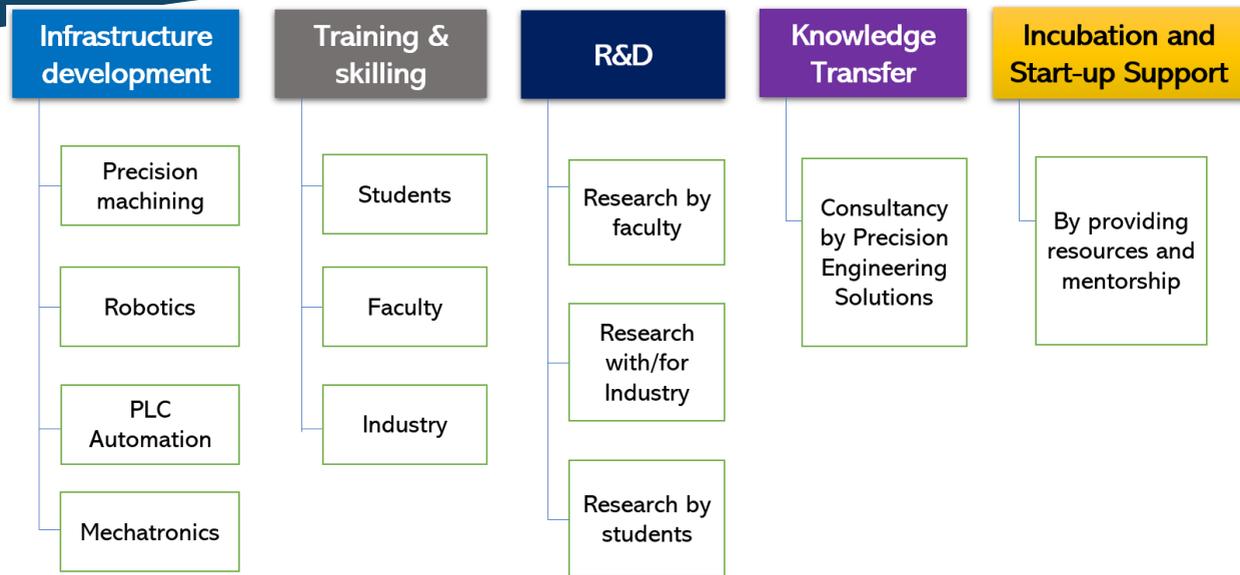
... for Target Industry Niches

- **Mechanical/Aeronautical Engineering**
 Aerospace, Machine Tools , Defence, Manufacturing, Automotive Industry, Robot, Furniture Manufacturing, etc. ...
- **Electronics Engineering**
 Embedded system, Consumer electronics, Automation, Semi-conductors, PCBs, etc
- **Electrical Engineering**
 Electricity generation, Power transmission, Electricity distribution & retailing, System modelling food production and process industries, Mixing plants, Metallurgical plants. PLC is used for automation etc ...



Potential companies...

- **Mechanical Engineering**
 Aequs
 Delphi Automotive
 Tata Motors
 Fanuc
- **Aerospace Engineering**
 HAL
 Collins Aerospace
 Aequs
 Sansera Engineering
- **Electronics Engineering**
 ABB
 Cisco Systems India Pvt Ltd.
 Genus Electrotech Ltd
 Ascent Circuits Pvt. Ltd.
- **Electrical Engineering**
 ABB
 Ascent Circuits Pvt. Ltd.
 Akas Medical Equipment
 Fanuc



Centre of Excellence in Precision Engineering includes

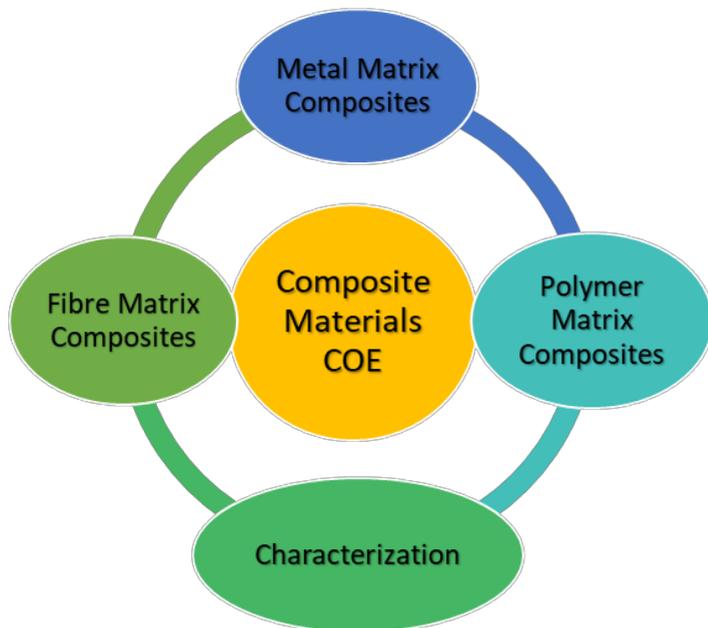
1. State-of-the-art CNC/VMC machine includes CNC 3-axis and 5-axis Simulator; VMC machine, Turnmill Centre, VTL, VMC 5-axis machine for skilling, education and training tools for Industry oriented preparedness of students and stakeholders
2. Setup of VMC – CNC with Robot integration
3. Mechatronics Laboratory
4. PLC automation Laboratory
5. Measurements Laboratory
6. Idea and Innovation Laboratory

Composite Materials CoE

The establishment of a Composite Materials Lab and Centre of Excellence at KLS Gogte Institute of Technology marks a significant milestone in advancing research and innovation in materials science. This state-of-the-art facility will focus on the development and application of composite materials, which are essential for numerous industries, including aerospace, automotive, and construction.

The laboratory is equipped with state-of-the-art infrastructure to support advanced research and training in composite materials. Facilities include modern equipment for the synthesis, fabrication, testing, and characterization of composites, enabling both fundamental studies and application-oriented projects. Dedicated spaces for interdisciplinary collaboration encourage knowledge sharing among researchers from various domains. The Centre of Excellence also houses resources to support industry partnerships, providing technical expertise for developing innovative composite-based products and improving existing solutions. With cutting-edge technology, well-designed workspaces, and hands-on training facilities, the laboratory creates an ecosystem that fosters innovation, skill development, and impactful research in emerging areas.

Infrastructure and Facilities



Pin-on-Disc



Programmable Furnace



Digital Mini Impact Machine



Dilatometer



Injection Molding Machine



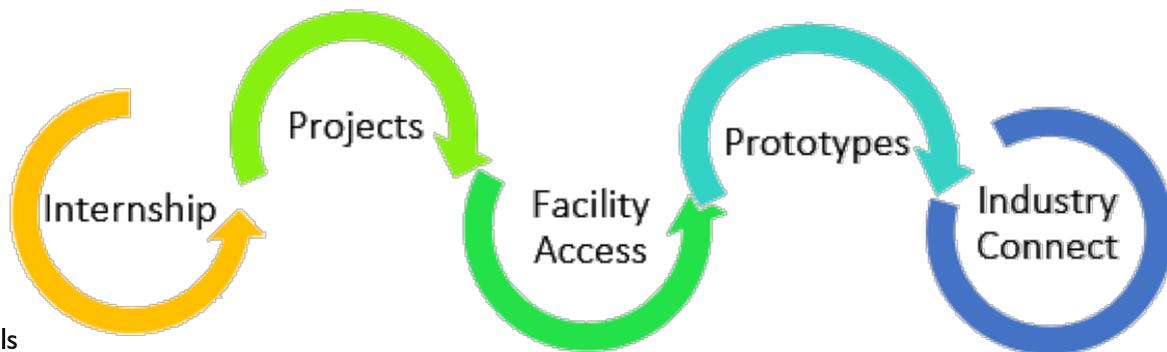
Metallurgical Microscope

Achievements

10+ International peer reviewed Journal Publications
10+ Scopus/SCI/Web of science indexed Journal articles
Ph.D : 1 (Perusing); PG projects = 05; UG Projects = 10



Activity and research collaboration



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Additive Manufacturing and Reverse Engineering

Additive Manufacturing and Reverse Engineering lab was established in the year 2017 under the grant of Karnataka Council for Technological Upgradation (KCTU) as well as KLS Gogte Institute of Technology (KLSGIT). Since then, it has been conducting training programs, carrying out research projects and providing consultancies to the nearby MSME's as well as the institutes. The mission of the lab is to advance in the field of Additive Manufacturing and Reverse Engineering through comprehensive training, cutting-edge education, expert consultancy services and empowering students through projects to innovate and excel in modern manufacturing technologies.



Funding Agencies

- KCTU (Karnataka Council for Technical Upgradation, Department of Industries and Commerce) and KSCST (Karnataka State Council for Science and Technology).

Areas of Expertise

- 3D Printing: FDM 3D Printing, Joining of 3D printed objects to attain larger sized components.
- 3D Scanning and Reverse Engineering of Industrial components
- Workshops, Skill Development and Certification courses to Industry personnel and students.
- Consultancy – Providing consultancies to MSME's.

Facility & Infrastructure

The centre is well equipped with necessary facilities and modern infrastructure related to 3D printing and 3D scanning:

- FDM 3D printing machines (Make – Aha, Deltasys, Leapfrog and Creatly)
- 3D Scanner (Make – Zeiss)
- Surface Roughness measuring machine (Make – Surfcom)
- Ultrasonic Welding Machine (Make – Plastosonic)

Prototypes developed

Achievements

- Received an Appreciation letter from KCTU, Bengaluru for catering to more than 50 MSME's, 12 educational institutions, holding 6 trainings/workshops and publishing 5 SCI papers under the sanctioned grant in 2021.
- Received First prize for outstanding research work and presentation at IMTEX-i2, Metal Cutting, Bengaluru, held 23 - 29 January 2025.
- Received the 'Best Project of the Year' award for a research project during the Seminar and Exhibition organized by KSCST at VTU, Belagavi, on 12th-13th August 2022.
- Secured Third Prize for outstanding research work and presentation at IMTEX-i2 Forming and Tooltech, Bengaluru, held from 16th-21st June 2022.

Activities and Collaborations

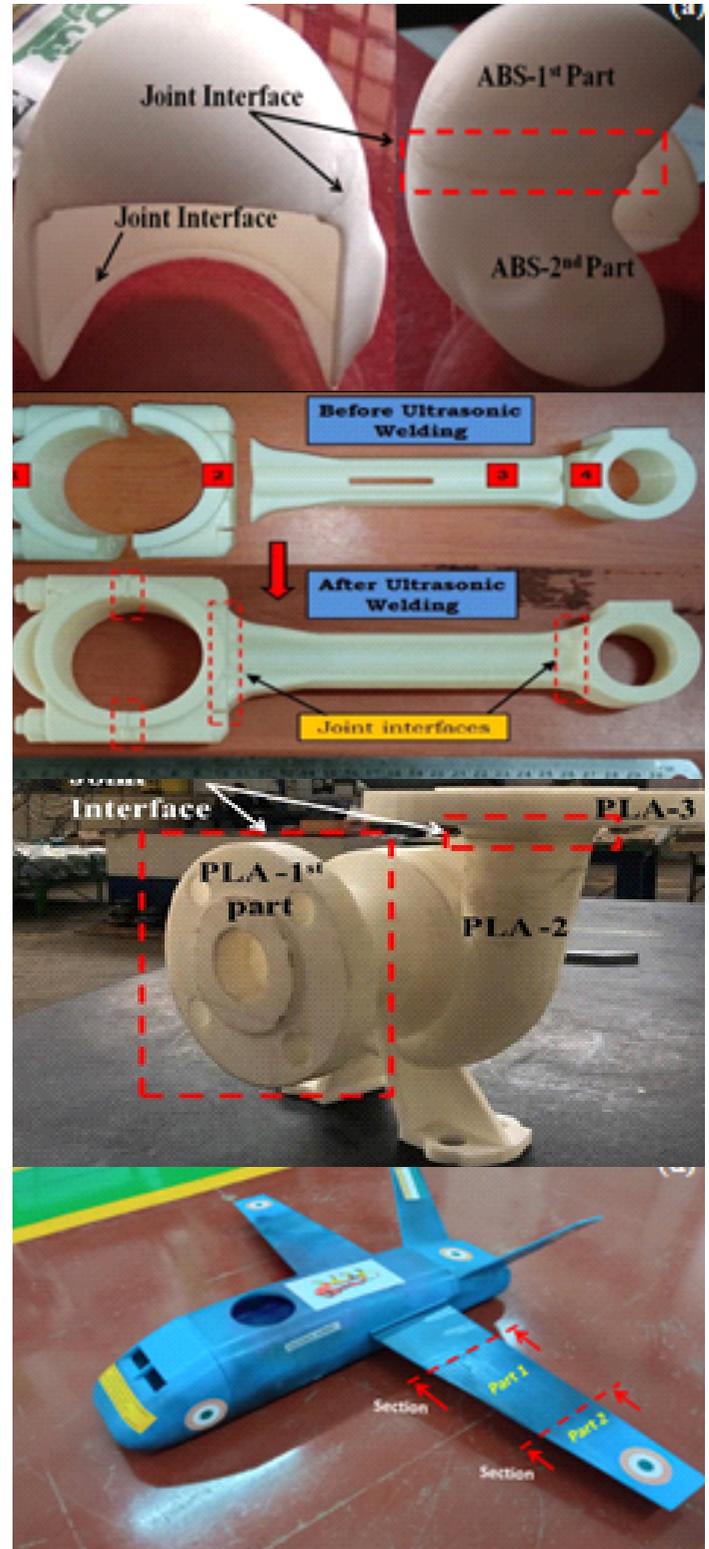
- NCAM (Govt. organisation) sponsored one-day workshop on "Revolutionizing Manufacturing: The Synergy of Composite 3D Printing and 3D Scanning".
- Collaboration with Carbine Systems Pvt. Ltd., Belagavi specialised in Metal 3D printing.
- Hosted a two-day 3D Printing Hackathon in collaboration with IEEE.

Outcomes

- Research publications – 20+ Research Publications, 1 Book in CRC Press -Taylor and Francis, 3 Design Patents Filled.
- Students project - 25+ UG projects and 5+ PG Projects completed.
- PhD – 1 Completed, 1 Full time scholar undergoing in the area of Bio-Printing.
- 50+ Consultancy services provided to nearby MSME's.
- 10+ training and workshops conducted for Industry personnel and students.

Future Work

- Entering into an MoU with Arihant Hospital, Belagavi for joint initiatives in the area of Bio-printing.
- Outreach programs for educational institutions under the banner of 3D Minds@GIT Club.



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Center of Excellence Industrial Microwave Heating Application Development

Established in the year 2018 with the primary vision of the center is to inculcate innovation and research culture in undergraduate and Ph.D. students, enabling them to engage in cutting-edge, industry-oriented research and to excel as distinguished research professionals. Since its inception the COE has developed the state-of-the-art microwave heating and materials processing facility in partnership with industry. The primary area of focus is developing materials with thermal and thermo-mechanical based techniques for meeting the on-ground applications.



Mission

- To educate the students on Microwave Systems and its components.
- To enable the students to learn about the phenomena of Microwave energy-material and various applications of Microwave energy material processing.
- To expose the students to advanced research work, fostering the development of critical and creative thinking in their future endeavors.
- To familiarize students with Industry practices and challenges, enhancing their skills through this Industry-Academia collaboration.
- Facilitate interaction with national and international agencies supporting research and development

Industry Partner –

Enerzi Microwave Systems Pvt. Ltd., Belagavi.

Focus Areas and Research Strengths

- Friction Stir welding and Allied Processes
- Severe Plastic Deformation Processing
- Microwave Sintering
- Metal Foams
- Material Science, Metallurgy and Composites
- 3D Printing, Joining and Solid-State Additive Manufacturing

Credentials & Achievements

Journal Publication	Books	Book Chapters	Patents	Ongoing Research Scholar	Research Scholar Completed Ph.D.
30 + publications (Elsevier, Springer, Taylor & Francis, ASME)	2 (1 ongoing)	6 (2 ongoing)	3 granted 2 in-process	Full -time: 01 Part-time: 03	Full -time: 01 Part-time: 01

Total Funds Sanctioned – Rs 26 Lakhs

Awards and Recognitions

- Innovative project award (3rd position) - IMTEX 2022 for “Non-Conventional Methods for Joining of 3D Printed Parts” held during June 2022.
- Best innovative project award & grant of Rs 12000/- at KSCST August 2022, 45th series for the project “Microwave Joining of 3D Printed Parts Applied to UAV wings.
- Best research project award & grant of Rs 25000/- IMTEX FORMING 2024 for “Development of Steel Foams Manufactured from Machining Waste for Automobile Crash Protection” in the field of metal forming.
- The AICTE-funded ATAL Online FDP on "Microwave Processing and 3D Printing", with a sanctioned grant of Rs. 1 lakh conducted from 3rd to 8th February, 2025.

Major Facilities:

- Lab Scale Microwave Sintering Furnace (0.8KW)
- High-Temperature Microwave Sintering Furnace with Inert atmosphere provision (4.2KW)
- Uniformation GK2 LCD (m-SLA) Resin 3D Printer
- Bench-top Horizontal Tensile Testing Machine (5KN)
- Computerized Microhardness Test (10 -1000 g loading capacity)
- Bench top Dual Container Ball Mill



Experiential Learning, Internships and Student Projects



High-Temperature Microwave Sintering Furnace with Inert atmosphere provision (4.2KW)



Computerized Microhardness Test (10 -1000 g loading capacity)

Contact Details

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AI Laboratory Powered by nVIDIA



SPECIFICATIONS	
• GPU	GPU Memory 8x NVIDIA H200 Tensor Core GPUs, with 141GB of GPU memory each 1,128GB total
• Performance	32 petaFLOPS Fp8
• NVIDIA NVSwitch™	4x
• System power usage	10.2kW max
• CPU	Dual Intel® Xeon® Platinum 8480C Processors 112 Cores total, 2.00 GHz (Base), 3.80 GHz (Max Boost)
• System memory	2TB
• Networking	4x QSFP ports serving 8x single-port NVIDIA ConnectX-7 VPI > Up to 400Gb/s InfiniBand/Ethernet 2x dual-port QSFP112 NVIDIA ConnectX-7 VPI > Up to 400Gb/s InfiniBand/Ethernet
• Management network	10Gb/s onboard NIC with RJ45 100Gb/s Ethernet NIC Host baseboard management controller (BMC) with RJ45
• Storage	OS: 2x 1.92TB NVMe M.2
• Internal storage	8x 3.84TB NVMe U.2
• Software	NVIDIA AI Enterprise – Optimized AI software NVIDIA Base Command – Orchestration, scheduling, and cluster management DGX OS / Ubuntu / Red Hat Enterprise Linux / Rocky – Operating System

DGX H200 - AI Powerhouse

The DGX H200 is an integrated AI supercomputer engineered for a singular purpose: to solve the most complex AI challenges. It delivers a staggering 32 PetaFLOPS of AI performance, a level of computational power that can reduce the training time for advanced models from months to mere weeks or even days.

The decision to install a DGX H200 is a testament to KLS Gogte Institute's commitment to providing its community with the tools to become leaders in the age of AI. It gives our faculty and students access to the same class of technology being used by leading AI research labs and corporations around the globe.

Faculties have undergone training from the nVIDIA. The service is offered to the startups incubated in the incubation centre of KLS GIT. They are using the HPC facility for their innovation and training the students of all the department on different multi-disciplinary projects.



OBJECTIVES

- Partner with the global giant Rotary International Foundation and Rotary Club of Belgaum to enhance English Communication skills of people who need it most, to foster economic development of the region.
- Open to students of schools and colleges, working professionals, homemakers and anyone who needs to improve their English communication skills.
- To offer state of the art facilities to promote English Excellence on a no profit no loss basis.
- Help students preparing for on campus or off campus placements as good English communication skills are a must for facing interviews as asserted by top recruiters. The courses would also help students preparing for higher studies abroad by scoring well in exams like the TOEFL and IELTS.
- To enable working professionals to be more effective and productive at work by enhancing their English Speaking skills.
- Good communication skills in English forms the basis of better socio-economic status of society. The Rotary-KLSGIT Center for English Excellence aims at achieving this goal in the near future.

Industry Institute Partnership Cell (IIPC)

@ KLS Gogte Institute of Technology

Industry Institute Partnership Cell (IIPC) at KLS Gogte Institute of Technology serves as a bridge between academia and industry. The IIPC is committed to fostering collaboration that transcends traditional boundaries. Through strategic partnerships with industry leaders, we provide our students and faculty with invaluable opportunities for real-world engagement, ensuring that our academic pursuits are deeply rooted in practical applications.



Incubation Centre

KLS GRID
(KLS Gogte Institute of Technology's
Research, Innovation & Development)



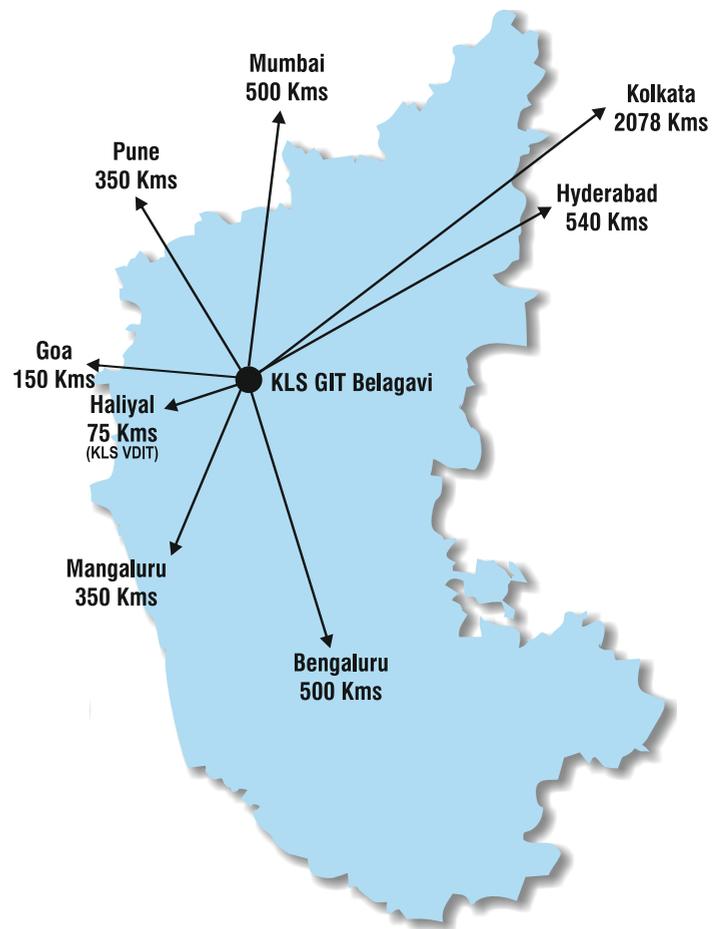
KLS GIT's existing Incubation Center provides space that helps entrepreneurs to start and grow their businesses. It provides services, resources, and support to help entrepreneurs overcome challenges. More than 10 Incubatees graduated from KLS GIT and 4 Incubatees are currently working.



Proposed Incubation Centre



HONORS AND MINORS
 ACADEMIC AUTONOMY PROFESSIONAL CERTIFICATION COURSES
 CONTINUOUS CURRICULUM IMPROVEMENT INDUSTRY DRIVEN ELECTIVES RESEARCH AND INNOVATION
 FACULTY DEVELOPMENT PROGRAMS EXPERIENCED FACULTY TOPPERS FELICITATION
 EXTRACURRICULAR ACTIVITIES ETHICS AND PROFESSIONALISM FEE WAIVER TO CET TOPPERS
 INDIVIDUAL STUDENT MENTORING INTERDISCIPLINARY PROJECTS GREEN CAMPUS
 STRONG ALUMNI NETWORK SUSTAINABLE PRACTICES INDUSTRY COLLABORATIONS
 INCLUSIVITY AND DIVERSITY MODERN INFRASTRUCTURE AND RESOURCES
 PLACEMENT AND CAREER OPPORTUNITIES
 OUTCOME BASED EDUCATION SINCE 2012



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