KLS Gogte Institute of Technology, Belagavi

Permanently affiliated and an autonomous institute under Visvesvaraya Technological University, Belgavi |Accredited by NAAC A+ and NBA

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

IIC ID IC201810862

IIC 4.0
Annual Report 2021-22

- Vision / Mission of IIC established at the Institute

Mission
  ➢ To establish an ecosystem to nurture the culture of Innovation amongst the Students and Faculty.

Vision (As laid down by the MHRD, Govt. of India)
  ➢ To conduct various innovation and entrepreneurship-related activities in time bound fashion.
  ➢ Identify and reward innovations and share success stories.
  ➢ Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
  ➢ Network with peers and national entrepreneurship development organizations.
  ➢ Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
  ➢ Organize Hackathons, idea competition, mini challenges etc. with the involvement of industries.

- Journey of IIC established at the Institute

Our college has established the Institution's Innovation Council (IIC) for promoting different activities related to innovation, IPR, start up and entrepreneurships. Faculties and students are the members of IIC. The IIC cell conducts quarterly meetings in every quarter to plan the quarterly activities and review quarterly conducted activities. Due to these activities, students get a chance to participate in various innovation related initiatives and competitions organized by MHRD. Students actively interact with renowned businessmen and academicians. They get opportunities to nurture their ideas. GIT's IIC helps students to experiment with the latest technologies to get some prototype for building their confidence. Overall students get an extremely healthy environment right from ideation to start-ups.

Major focus area of IIC is to create a vibrant local innovation ecosystem, Start-up/ entrepreneurship supporting Mechanism, prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework (ARIIA), Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas and develop better Cognitive Ability amongst Technology Students.

- Diversified representation in the IIC established at the institute fromindustry, Interdisciplinary & Departments/ Units etc.

Name of Member	Member Type (Teaching/ Non-teaching / External Expert)	Department	Key Role/ Position assigned in IIC
Dr. Jayant K. Kittur	Principal		Head of Institute
Dr. Kiran K. Tangod	President	ISE	President
Dr. Raviraj. M. Kulkarni	Teaching	Chemistry	Vice President
Dr. Kiran K. Tangod	Teaching	ISE	Convener
Vishveshkumar Aithal	Teaching	E&C	Innovation Activity
Mahesh Kori	Teaching	Mechanical	IPR Activity Coordinator, Innovation Ambassador
Shashank Bangi	Teaching	Civil	Social Media Coordinator
Raghavendra Jadhav	Teaching	CSE	Startup Activity Coordinator
Ramesh Koti	Teaching	E&C	ARIIA Coordinator, NIRF Coordinator
Swarooprani Manoor	Teaching	MCA	Internship Activity Coordinator, Innovation Ambassador
Dr. Umesh Kulkarni	Teaching	CSE	Coordinator Mentorship prog.
Vinay Shetty	Teaching	E&E	Coordinator Impact Lecture Series
A. D. Janaj	Teaching	E&E	Member
Dr. Prasad Kulakrni	Teaching	MBA	Member
Dr. Vani Hundekar	Teaching	MBA	Member
P. S. Upparamani	Teaching	ISE	Innovation Ambassador
Prakash Khangoudar	Teaching	CSE	Innovation Ambassador
Sachin C. Kulkarni	Teaching	Mechanical	Innovation Ambassador
Padma Dandannavar	Teaching	CSE	Innovation Ambassador
Manjula Ramannavar	Teaching	CSE	Innovation Ambassador
Shubha Sanu	Teaching	ISE	Innovation Ambassador
Shreevatsa Perur	Teaching	ISE	Innovation Ambassador
Sangamesh Padanad	External Expert	Bank Manager	Member
Prakash Mugali	External Expert	Entrepreneur	Member from Industry
Neelesh Chougule	External Expert	Entrepreneur	Member from Industry

B. Brief mention of key functionaries at the IIC Institute

Name of Member	Member Type (Teaching/ Non-teaching / External Expert)	Key Role/ Position assigned in IIC
Dr. Jayant K. Kittur	Principal	Head of Institute
Dr. Kiran K. Tangod	President	President
Dr. Raviraj. M. Kulkarni	Teaching	Vice President
Dr. Kiran K. Tangod	Teaching	Convener
Vishveshkumar Aithal	Teaching	Innovation Activity

Mahesh Kori	Teaching	IPR Activity Coordinator
Shashank Bangi	Teaching	Social Media Coordinator
Raghavendra Jadhav	Teaching	Startup Activity Coordinator
Ramesh Koti	Teaching	ARIIA Coordinator, NIRF Coordinator
Swarooprani Manoor	Teaching	Internship Activity Coordinator
Dr. Umesh Kulkarni	Teaching	Coordinator Mentorship prog.

C. Portfolio/graphical/Tabular representation of Resource strength (humancapital and Physical capital) of the IIC institution

Total No. of IIC Members	24
Total No. of IAs	9
Total No. of faculty	18
Mentors From Portal	6
Pre-Incubation Units	1
Incubation Units	1
IP Facilitation Unit	1

D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind andStudent bodies/clubs engaged in promotion of Innovation and

Entrepreneurship in the campus.
- Incubation facility is available in the college
- NAIN pre incubation facility is available in the college

Student Chapters:
- Change maker's Society Student Chapter
- IEEE Student Branch
- IEEE-WIE AG Student Chapter
- IEI Student Chapter (Electrical)
- ACM Student Chapter
- Computer Society of India
- IEEE PES Student Chapter
- American Society of Mechanical Engineers
- IEI Student Chapter (Civil)
- Fluid Power Society of India
- ISA-Student Section the Indian Society for Technical Education
- Renewable Energy and Smart Innovation Club
- Indian Society of Heating, Refrigerating and Air Conditioning Engineers Student Chapter

Student Clubs:
- NASA Club
- Rotract Club of GIT
- Green Club

- G-FACE
- Engineers Without Borders
- Nano Club
- Renewable Energy and Smart Innovation Club
- Vayuputras
- Change Makers Club

E. Highlight Achievements (Narrative/Graphical/tabular representation)

- Number and Different types of I&E and IPR activities Conducted : 20
- No. of student's & faculty ideas generated : 102
- No. of student's & faculty Innovation/prototypes developed : 102
- No. of IPs generated, published and granted : 10
- No. of Student & Faculty Start-ups/Ventures established. : 10
- Amount spent on promotion and awareness generation on InnovationEntrepreneurship in the campus: 50000
- Amount grant or fund supported to student & Faculty lead Innovations,start-ups and IPR : NIL
- No. of Technology Transfer and Commercialisation happened: NIL

F. Highlight few best IIC Faculty/Student members and their achievements/Rewarded for the innovations at different forum
[Profile of few faculties with 2-3 line of their achievements]

G. Highlight selected best Innovations & images with mention of inventor/innovation name
   1. Flow Control Valve

   Name of Inventor: Dr. M.S. Patil

   The present disclosure seeks to provide a flow control valve. The present disclosure 10 seeks to provide a solution to the existing problem of manual control of flow control valve, gland leakages and fugitive emissions. An aim of the present disclosure is to provide a solution that overcomes at least partially the problems encountered in prior art, and provides an improved control of the flow control valve via a controller and overcomes gland leakages and fugitive emissions.

   2. Solar Heating Arrangement for Heating Water

   Name of Inventor: Dr. M.S. Patil

   The principal object of the present invention is to provide an effective and efficient solar heating arrangement and method for heating water. Another object of the present invention is to provide a more promising and eco- friendly method of heating water with said solar heating arrangement. 10 Another object of the present invention is to provide instant water heating despite subsequent usages in a period of time. Another object of the present invention is to provide a long-term cost and energy saving method in order to make the arrangement more efficient. Another object of the present invention is to provide a method inhibiting the water 15 wastage in the pipes between usages.

   3. Smart Glove for Hearing Impaired

   Name of Inventor: Dr. S. S. Sannakki, G. L. Kulkarni

Gesture recognition approach has a broad scope of utilizations and employments. This method can be utilized to control gadgets only via motions with no manual connection with the particular machine. Using sign identification, an individual can pin out at the computer or at a versatile screen and utilize linguistic communication to pick and utilize totally distinctive implementations within the device. This linguistic communication employed by deaf and mute folks will be understood by the normal person this method and reborn to content so sanctioning and helping higher conversation among the deaf - mute and other individuals cooperating with them. Signal verbalization is one of the useful ways to ease the communication between the deaf and mute and normal society. Though signing may be enforced to speak, the target person should have a thought of the signing that isn't attainable forever. Thus, it reduces such barriers. This Invention was meant to be a typical example to visualize the feasibleness of recognizing sign languages. With this, deaf or mute communities will use the gloves to make gestures in keeping with signing and also the gestures are going to be converted to speech. The system may be a bridge between traditional and dumb\deaf folks; it fills the gaps of communication between dumb\deaf folks and traditional people. The gloves area unit freelance and it's moveable with minimum weight and low power. The system converts the hand gestures to the text and more to speech. If in some conditions the person can't hear the sound produced there is a provision provided into the system of text due to which the person can read and understand what another person wants to convey.

H. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name

I. List if any break through Innovations / Technology Developed at the institute(2-3 technology with 2-3 lines about technology and innovation

J. Participation of IIC-institute in various programs of Central and Stage Govt.Highlighting specially for the schemes or programs
   - ARIIA – participation and Rank
   - NISP Adoption status - Trained Faculty, Policy Formulation, PolicyImplementation
   - Smart India Hackathon etc.

B. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs
   - ARIIA – participation and Rank- Participated Listed in Promising institute Band
   - NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation- Policy is formed and its under implementation
   - Smart India Hackathon – GIT team has participated in the Hackathon

C. Detail of Social Media & Connections of IIC institute

   Facebook: https://www.facebook.com/KLSGITBelagavi

   LinkedIn: https://www.linkedin.com/company/klsgitbelagavi

   Twitter: https://twitter.com/klsgitbelagavi

   Instagram: https://www.instagram.com/klsgitbelagavi/

D. Contact

   KLS Gogte Institute of Technology
   "Jnana Ganga",
   Udyambag, Belagavi 590008

Karnataka, India
Phone: +91-831-2405500
Fax: +91-831-2441909
e-mail: principal@git.edu

Karnataka, India
Phone: +91-831-2405500
Fax: +91-831-2441909
e-mail: principal@git.edu