



Channabasaveshwara Institute of Technology Gubbi



ANNUAL REPORT 2022-2023





Channabasaveshwara Institute of Technology

(Affiliated to VTU, Belgaum & Recognized by A.I.C.T.E. New Delhi)

(An ISO 9001:2015 Certified Institution)

NH 206, (B.H. Road), Gubbi, Tumkur – 572 216. Karnataka



In the year 2018, the Ministry of Education (MoE) through MoE's Innovation Cell (MIC) launched the Institution's Innovation Council (IIC) program in collaboration with AICTE for Higher Educational Institutions (HEIs) to systematically foster the culture of innovation and start-up ecosystem in education institutions.

CIT – Institution's Innovation Council (CIT – IIC) was started in the academic year 2018-19 as per the guidelines of MIC and AICTE for the benefits of students and faculty members of the College.

Primarily, the role of IIC is to engage large number of faculty members, students and staff in various innovation and entrepreneurship related activities such as ideation, Problem solving, Proof of Concept development, Design Thinking, IPR, project handling and management at Pre-incubation/Incubation stage, etc., so that innovation and entrepreneurship ecosystem gets established and stabilized in the College.

CIT provides infrastructure facilities and forums for the students and faculty members to promote and establish Innovation and start up eco system in the campus.

Vision of IIC:

- To be one of the top Institution promoting innovative thinking among students and faculty members translating into entrepreneurial activities solving the problems of the society.

Mission of IIC

- Conducting regular awareness programmes which will motivate and encourage students to take up entrepreneurship as a career option.
- Organizing workshops and lectures to get acquainted with IPR and its importance.
- Organizing events like Hackathons to promote innovative solutions to the problems of the society.
- Networking with peers and with entrepreneurship development organizations so that the right support is provided.

Journey of IIC established at the Institute.

IIC of CIT was established in the year 2021 with nearly 80 faculty members and 2 External members. The IIC of CIT was awarded with three star rating for the year 2021-2022 and for the year 2021-2022 the number of activities was increased and one of faculty member has completed both the foundation and advanced level training for the Innovation Ambassador.

Brief mention of key functionaries at the IIC

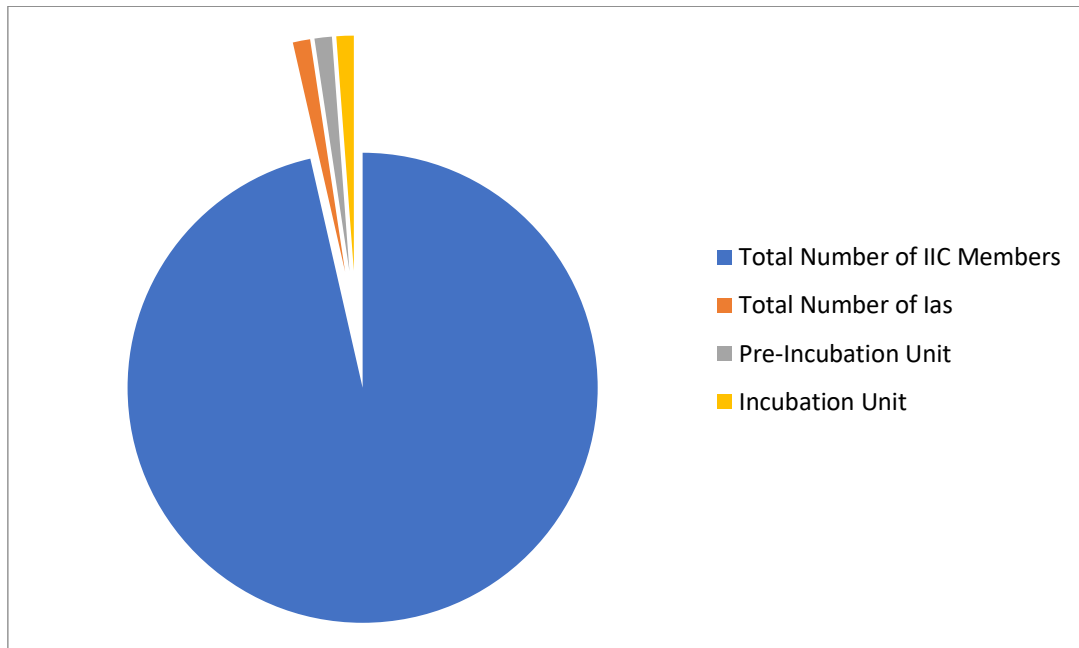
1 **President:** The Head of the Institution & Principal & Secretary of the college **Dr. D S Suresh**, constituted the IIC council and appointed its members. He plans effectively Council meetings and other calendar events of IIC.

2. **Dr.B P Upendra Roy, Professor/ECE**, work with close coordination with IIC president and provide help wherever required for smooth conduction of activities.

Members

Sl. No.	Name of the Member	Key Role/Position assigned in IIC
1	Dr.D S Suresh	Head of the Institution & President
2	Dr.B P Upendra Roy	Convener
3	Mr C J Rajendra	IPR & ARIIA Activity Coordinator
4	Mr G Anil Kumar	Social Media Activity Coordinator
5	Dr.Chetan Balaji	NIRF Activity Coordinator
6	Dr.G S Kulkarni	Head/Mech Engg
7	Dr.G S Sudhi Kumar	Head/Civil Engg
8	Dr.M C Shivaprakash	Head/Basic Sciences
9	Dr.R.Sekar	Head/ECE
10	Dr.Chaitanya	Head/MBA
11	Dr Siddesh Kumar	NISP Coordinator
12	Dr K Vinay	IIC Member
13	Mr G P Prathap	IIC Member
14	Mrs B N Radha	IIC Member
15	Mr D Santhosh	IIC Member
16	Mrs C Divya	IIC Member
17	Mr C P Natesh	IIC Member
18	Dr Ramesh	IIC Member
19	Mrs K S Jyothi	IIC Member
20	Mrs K Mala	IIC Member
21	Mr G Harsha	IIC Member
22	Mr S R Vinayak Rao	IIC Member
23	Mr Manjunatha M Katti	IIC Member
24	Mr Vagesh V Kantli	IIC Member
25	Mrs Uma Devi	IIC Member
26	Dr Ramesh Bantwal	IIC Member
27	Mr N Mahesh	IIC Member
28	Dr D K Thara	IIC Member
29	Mr AnilKumar	IIC Member
30	Prof V C Kumar	IIC Member

31	Dr Sanjeev Kubakkadi	External Expert
32	H M Vinay	External Expert/Alumni

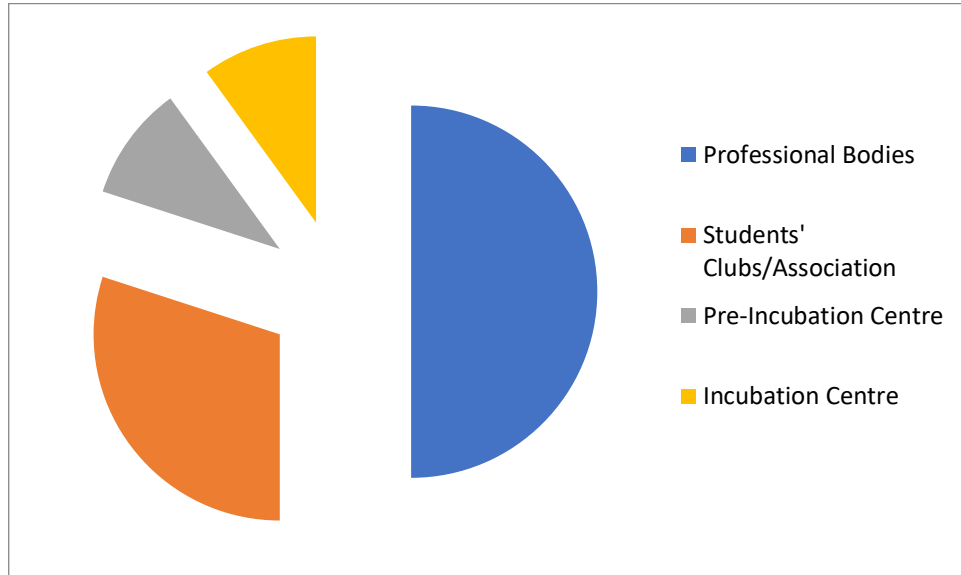


Channabasaveshwara Institute of Technology aims in inculcating the culture of entrepreneurship and innovation among its students and efforts are taken from all side to make sure that innovation and creativity is enriched and nurtured so that the students will use the gained technical knowledge and skill to solve the problems of the society.

The Institute has various clubs to disseminate and bring out the creativity and the entrepreneurial attitude of the student. Ideas Club, Entrepreneurship Development Cell, Youth Empowerment Cell, Women Empowerment Cell etc are actively involved in associating students' and bringing out their hidden talents towards focussing on developing innovative solutions. In addition to that students are also encouraged to enrol themselves in professional bodies so that they are exposed to the latest technological advances happening in their respective domain of study.

In addition to these events like Hackathon, Project Exhibitions etc are conducted at regular intervals where students are given the opportunity to bring out their technical ideas which can be implemented for complex problems.

The Institution started its Product and Training wing, CITRIS – 'Centre for Information Technology & Research in Interest of Society' in the year 2006. The Institution has the credit of developing its own products based on the ideas given by the students. It acts as an incubation centre designed to help start-ups in their infancy succeed by providing workspace, seed funding, mentoring and training.



Overall, for the year 2022-2023 a total of 57 events were conducted of which 25 from IIC Calendar, 14 from celebrations, 15 from self driven and 3 from MIC DRIVEN



There was active participation from both students and faculty members in all activities organized from the IIC and the message was well received. These inputs will definitely yield fruitful results in the coming days which will definitely transform the mindset of younger generation and encourage them to take up entrepreneurship as a career option.

Number of Students' and Faculty ideas generated

For the year 2022-2023 a total number of **13 ideas were generated and 13 innovation prototypes were developed**. A good amount of projects were awarded with accolades and overall the year 2022-2023 was indeed a good year especially after the online classes resumed since the onslaught of the pandemic. There was a great amount of zeal and interest among the students and faculty members among innovative thinking and problem solving. A total amount of around 40000 Rupees was received as prize amount towards the innovative ideas presented at various platforms organized by Government bodies. Students from various departments presented their innovative ideas and brought accolades to the institution

Sl. No.	Title of the Project	Name of the Students	Name of the Guide	Branch	Amount Sanctioned
1	ANALYSIS OF WATER QUALITY BY USING ARTIFICIAL INTELLIGENCE (AI)	Mr. GOWTHAM S Ms. USHA M R Mr. KIRANKUMAR Mr. RAJU	Mr. MANJUNATHA M KATTI	CIVIL ENGINEERING	4,000.00
2	EXPERIMENTAL INVESTIGATION ON WARM MIX ASPHALT AND RECLAIMED ASPHALT (WMA-RAP) WITH ZYCOTHERM AS ADDITIVE FOR VILLAGE ROADS	Mr. VISHWAS Mr. NAVEEN G Ms. PREMA H O Mr. THARUN N V	Mr. VENKATESH A L	CIVIL ENGINEERING	4,000.00
3	LAND USE AND LAND COVER CHANGE DETECTION ANALYSIS USING RS AND GIS	Mr. CHETHAN KUMAR T R Ms. BHUMIKA H R Mr. CHIRAG M S Ms. KUSUMA C	Mr. CHANDAN C S	CIVIL ENGINEERING	3,000.00
4	DECOLORIZATION OF DYE EFFLUENT USING TEAK LEAVES AND BANANA TRUNK	Mr. SWAROOP R SUNAGAR Mr. MANJUNATH C SIMHA Ms. SOUNDARYA M	Ms. RAMYA H N Mr. RAJENDRA C J	CIVIL ENGINEERING	4,000.00
5	EXPERIMENTAL STUDY OF TRANSPARENT CONCRETE USING OPTICAL FIBRE	Mr. GIRISH L Ms. NAGASHREE M V Mr. MOHAMMED SAAD Mr. PAVAN K S	Mr. THEJESH T N	CIVIL ENGINEERING	4,000.00
6	INDOOR NAVIGATION WITH HAZARD DETECTION USING AUGMENTED REALITY	Ms. KAVYASHREE B M Ms. DIVYANSHI L Mr. EKESH KUMAR M N Ms. HARI PRIYA	Mrs. RASHMI C R Dr. SHANTALA C P	COMPUTER SCIENCE AND ENGINEERING	4,000.00
7	ELECTRIC POWER GENERATION USING RAILWAY TRACK	Mr. VENKATESH B R Mr. YASHWANTH C S Mr. KARTHIK D Mr. SHASHANK N	Mr. MANJUNATHA M N	ELECTRICAL AND ELECTRONICS ENGINEERING	7,000.00
8	PV SYSTEM MPPT METHOD WITH FUZZY LOGIC	Mr. MANU H Mr. SRINIVAS M N Mr. HARSHITH G K Mr. MANJUNATH H G	Mr. VINAYA B K	ELECTRICAL AND ELECTRONICS ENGINEERING	6,000.00
9	SIMPLE AND CREATIVE 220V WATER TURBINE PERMANENT GENERATOR	Ms. MONICA K A Mr. CHINMAYANANDA M N Ms. DIVYA SHREE P	Mr. RAJENDRA C J	ELECTRONICS AND COMMUNICATION ENGINEERING	6,000.00

10	AI BASED ATM FOR MEDICINE	Ms. SREESHA P ACHARYA Mr. MALTHESH N SHASTRY Ms. AKSHATHA M Ms. SAHANA M N	Dr. SURESH D S Mr. RAJENDRA C J	ELECTRONICS AND COMMUNICATION ENGINEERING	6,000.00
11	RECYCLING PEN: A SUSTAINABLE SOLUTION FOR A BETTER TOMORROW	Mr. NANDISH T M	Mrs. SWATHI J Mr. NAGESH S B	FINANCE AND MARKETING	5,000.00
12	HOME BASED BLOOD TRANSFUSION USING MACHINE LEARNING	Ms. MEGHANA H M Ms. HARSHITHA C P Ms. LEKHANA M S Ms. M R NIDHI	Mr. HARISH T A Dr. SHANTALA C P	INFORMATION SCIENCE AND ENGINEERING	3,000.00
13	"SOLAR POWERED AUTOMATIC ALUMINUM CAN CRUSHER"	Mr. SIDDESH M P Mr. INDRESH S Mr. RAKESH	Mr. NATESH C P	MECHANICAL ENGINEERING	5,000.00

Social Media Links

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LINKEDIN	https://www.linkedin.com/company/cit2001official/

TESTIMONIALS

1. The efforts taken by the IIC of CIT is indeed laudable since it helps the students to focus on Innovation, Design Thinking and above all create a path for themselves. CIT has established Institution's Innovation Council (IIC) for promoting such activities related to the innovation, IPR, startup and entrepreneurs. I appreciate the efforts taken by the MHRD and IIC in encouraging and motivating the students in entrepreneurial activities. I congratulate the IIC of CIT for their dedicated efforts in inculcating the entrepreneurial attitude among students. I wish them the very best in their efforts.

Dr C P Shanthala, Vice Principal/CIT



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2. IIC of CIT is a vibrant club which helps the students to enrich their knowledge in the areas of Innovation, IPR etc. The underlining aim of Institutional Innovation Council of CIT is to promote various activities related to creativity, innovation and entrepreneurship in a time bound manner. I am extremely happy that the number of activities conducted by the IIC is in the increasing side every year. The main thrust of the council is to develop better cognitive abilities among students by creating interface with the industry. This is a great opportunity for students to come out with innovative ideas and solutions which can be helpful to solve the problems faced by the society. I congratulate the IIC of CIT for their untiring efforts in making this initiative a grand success.

Dr D S Suresh, Director/CIT

Contact

Dr B P Upendra Roy, Convener/IIC

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