



ACHARYA INSTITUTE OF TECHNOLOGY

Affiliated to Visvesvaraya Technological University, Belagavi,
Approved by AICTE, New Delhi,
Recognized by Govt. of Karnataka and Accredited by NBA
(AE, BT, CSE, ECE, ME, MT)



**Acharya-KSCST
IPR Cell**



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**Acharya-KSCST
IPR Cell**



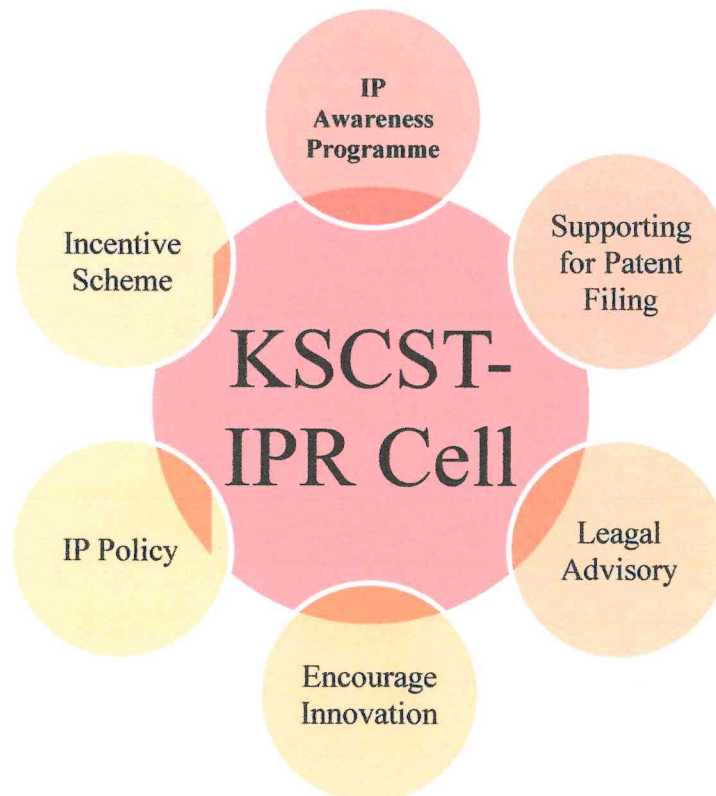
**Preamble, MoU Copy with KSCST
Acharya Institute of Technology IP Policy**

Acharya Institute of Technology KSCST- IPR (Intellectual Property Rights) Cell

Preamble:

The Intellectual Property Rights (IPR) Cell at Acharya Institute of Technology is dedicated to creating a thriving culture of innovation and intellectual excellence. It aims to promote awareness of intellectual property rights and provides the necessary support for protecting the intellectual creations of students, faculty, and researchers. In a fast-paced world of research and development, the IPR Cell ensures that novel ideas, inventions, and innovations are effectively safeguarded under intellectual property law, contributing to the nation's technological and economic progress.

Functions and Objectives:



IPR

Figure: Function & Objective of IPR Cell

1. The IPR Cell conducts awareness programs, workshops, and seminars to educate the academic community about the importance of intellectual property rights, including patents, copyrights, trademarks, industrial designs, and trade secrets.



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2. It assists students and faculty members in identifying patentable inventions, preparing patent applications, and filing them with the appropriate intellectual property offices. The Cell also facilitates conducting prior art searches to ensure the originality of the innovations.
3. The IPR Cell supports the registration of copyrights, trademarks, and designs, ensuring that creators' rights are legally protected. This includes filing documentation, helping with trademark searches, and ensuring compliance with the registration procedures.
4. The IPR Cell provides advisory services to inventors, researchers, and creators regarding intellectual property laws and policies. It helps navigate the legal complexities of IPR, including infringement issues, licensing agreements, and technology transfers.
5. By creating an environment that nurtures creativity, the IPR Cell encourages students and faculty to engage in research and development. It ensures that their intellectual outputs are recognized and protected, leading to greater academic and economic value.
6. The Cell is responsible for formulating the institution's IP policy, outlining the ownership rights, responsibilities, and distribution of benefits arising from IP developed at the institution. It provides clarity on IP ownership, especially in collaborative projects.
7. The IPR Cell actively supports the commercialization of patents, copyrights, and trademarks by helping inventors find suitable licensing partners, negotiating agreements, and managing royalty and revenue-sharing models.
8. The IPR Cell encourages innovation by recognizing and rewarding faculty and students who successfully secure patents, copyrights, and other IP assets. Awards and incentives are offered to motivate continuous creativity and research.

Initiatives of the IPR Cell:

1. Regular workshops on patent filing procedures, prior art searches, IP documentation, and legal aspects of intellectual property.
2. Conducting campaigns and awareness drives to emphasize the importance of protecting intellectual property rights in academic and research environments.
3. Offering one-on-one consultation sessions where students and faculty can seek guidance on IP-related queries, including patentability assessments and drafting support.

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4. Contact Information: Typically, the IPR Cell would have a designated contact person, such as a coordinator or director, who can be reached for inquiries related to intellectual property. This would likely include an email address, phone number, and office hours for direct communication.

Supporting Proof:

1. MoU Copy with KSCST
2. Acharya Institute of Technology, IPR Policy
3. List of Copy right/ Patent Filed/
4. Event List Conducted

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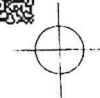
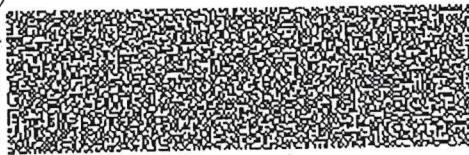
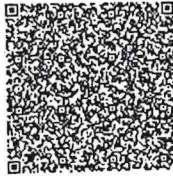
Government of Karnataka

e-Stamp

Certificate No. : IN-KA38755210447648T
Certificate Issued Date : 04-Feb-2021 01:24 PM
Account Reference : NONACC (FI)/ kacrsf108/ CHIKKABANAWARA/ KA-BA
Unique Doc. Reference : SUBIN-KAKACRSFL0858574606738715T
Purchased by : JMJ EDUCATION SOCIETY
Description of Document : Article 37 Note or Memorandum
Description : MOU
Consideration Price (Rs.) : 0
(Zero)
First Party : JMJ EDUCATION SOCIETY
Second Party : PATENT INFORMATION CENTER KSCST
Stamp Duty Paid By : JMJ EDUCATION SOCIETY
Stamp Duty Amount(Rs.) : 200
(Two Hundred only)

For Sri Maheshwaramma Credit
Co-operative Society Ltd.

Authorised Signatory



Please write or type below this line

MEMORANDUM OF UNDERSTANDING

This MEMORANDUM OF UNDERSTANDING ("MOU") is made effective on the ^{6th} day of February 2021 by and BETWEEN JMJ Education Society, (Acharya Institutes), Acharya Dr.Sarvepalli Radhakrishnan Road, Soldevanahalli, Bengaluru-560107 hereinafter referred to as "First Party" and Karnataka State Council for Science and Technology

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(KSCST), IISc Campus, Bangalore hereinafter referred to as "Second Party" and collectively as "Parties".

WHEREAS

HOST INSTITUTION:

JMJ Education Society is the initiative of the visionary **Shri B Premnath Reddy**, who, in order to create a bench mark in the field of higher education, started Acharya Institutes in 1990. Acharya Institutes is Bangalore's largest composite academic facility within a sprawling 120-acre eco-friendly Wi-Fi campus housing more than 12000+ students from 75 different countries, offering > 100 programmes in the streams of Engineering, Computer Applications, Architecture, Pharmacy, Management, Biotechnology, Physiotherapy, Allied Health Sciences, Nursing, Law, Science and Technology with affiliation to Visvesvaraya Technological University, Bangalore University and Rajiv Gandhi University of Health Sciences, Karnataka. The following are the educational institutions run by JMJ Education Society :

Acharya Institute of Technology
Acharya's NRV School of Architecture
Acharya & BM Reddy College of Pharmacy
Acharya School of Management
Acharya Polytechnic
Acharya Institute of Graduate Studies
Smt. Nagarathamma College of Nursing
Acharya School of Design
Acharya's NR Institute of Physiotherapy
Acharya Institute of Allied Health Sciences

Karnataka State Council for Science and Technology (KSCST):

KSCST is one of the first State S&T Councils to be set up in the country established in the year 1975 at Indian Institute of Science Campus. It is an autonomous S&T organization under Department of Science & Technology, Government of Karnataka. From the several decades KSCST has been pro-actively engaging itself to identify, propose and implement S&T based solutions to locale specific needs / problems in the broad areas of Water, Education, Energy, Housing, Geospatial technologies and Infrastructure etc in the State.

In co-operation with the Indian Institute of Science and several other premier R&D institutions, KSCST executes many projects and programmes aimed at improving socio-economic conditions of the people of the state. The Department of Science and Technology, Government of India advocated as model to all the states

The Council through its Patent Information Centre (PIC) tirelessly conducting awareness, capacity building, basic and advance training programmes on Intellectual Property Rights (IPRs). KSCST has established many IP cells across Karnataka in Science and Engineering Colleges, Technical Institutions and Universities. Further by providing IP assistance in filing and Commercialisation, KSCST has creating IP ecosystem in the State.

A. S. Reddy
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Dr. Maneesh Paul S, Campus Director of JMJ Education Society (Acharya Institutes), Bengaluru and the Executive Secretary, representing KSCST, Bengaluru have arrived at this Memorandum of Understanding for mutual co-operation and collaboration on matters of mutual interest. Hence, this Memorandum of Understanding (MOU).

The following are the terms of agreement:

1. For the purpose of this MOU, KSCST, Bengaluru to provide the technical assistance in matters relating to Intellectual Property Rights on need basis as mutually agreed upon.
2. KSCST and Acharya Institutes may in joint collaboration organize conduct workshops, training programmes, research activities, and assist in further development of IPR ecosystem in the host institute.
3. If need arises, KSCST and Acharya Institutes may constitute a working group to work out the practical problems of collaboration if any, between the two parties in general and to ensure proper and effective implementation of this MOU.
5. Such details agreed upon will be effective by exchange of letters by KSCST and Acharya Institutes and such letters shall form part of this agreement.
6. JMJ Education Society(Acharya Institutes), Bangalore may reserve or allocate suitable fund for filings and other issues of IPRs that generated from the host institute.
7. JMJ Education Society should send a detail report on IP activities of the IP cell for the academic year to be sent to KSCST for information and to provide needful inputs.

SCOPE OF THE MOU:

KSCST and Acharya Institutes shall/may take relevant steps and measures to protect, promote and enhance research and development, which shall create scope for development of Intellectual Property and take appropriate decisions and measure in furtherance of the same.

Karnataka State Council for Science and Technology-Roles and Responsibilities

- ❖ KSCST shall provide technical assistance in filing the registration of IPRs and prior art searches.
- ❖ KSCST shall associate with Acharya Institutes in identifying the potential IP innovations in Acharya Institutes.
- ❖ KSCST shall associate with Acharya Institutes in organizing IPR programmes
- ❖ There shall be no financial responsibility from the side of KSCST.


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JMJ Education Society(Acharya Institutes) - Roles and Responsibilities

- ❖ Shall make available suitable infrastructure, place, manpower for functioning of IP cell and also other needful amenities for the same.
- ❖ Shall nominate IP cell Coordinator to lead the (host institute name-KSCST IP cell and also nominate faculty from all the other institutions coming under it to promote IPR in host institute.
- ❖ Should also nominate and Executive Committee consisting of members from (KSCST, Host institute (Principal/ Secretary/ Treasurers/ Vice chancellor/ Dean/ Head of the departments) IP attorney/ Patent agent &, IP cell Coordinator) and an advisory committee member consisting of the IP cell Coordinator, KSCST, 1 or 2 faculty from each department from host institute.
- ❖ Should allow IP cell to sensitize and involve the students, faculty, research scholars, and other members and provide awareness and training workshops on IPR periodically.
- ❖ Shall allow the IP Cell to identify and drive the innovation to file & commercialize the IPRs from the institutions associated with host institute.
- ❖ Should also allocate or source fund from other agencies for filing, commercialising, Technology transfer and any IPR issues of the host institute

DURATION OF THE MOU

This MOU shall be in effect initially for a period of five ^{years} from the date on which this MOU is signed by both the parties and may be renewed thereafter, by mutual consent. Either party may terminate the agreement by written notification sent to the proper Officer of the institution. Such notice must be received by either Party within six months prior of the effective termination date.

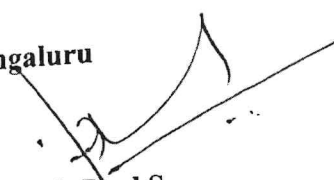
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In witness where of the parties hereto cause this instrument to be executed as of the date, month and year indicated below.

On behalf of the **JMJ Education Society (Acharya Institutes), Bengaluru**


Dr. Maneesh Paul S
Campus Director
Acharya Institutes,

Date: 06/02/2021

On behalf of the **Karnataka State Council for Science and Technology (KSCST), Bengaluru,**

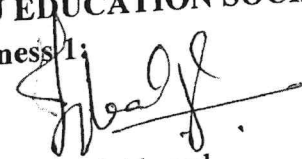

Executive Secretary,

Karnataka State Council for Science and Technology (KSCST), for
Science and **Bengaluru**
Indian Institute of Science
Bangalore - 560 012

Date: 06/02/2021


JMJ EDUCATION SOCIETY

Witness 1:


Name: Iqbal Ahmed
Designation: Dy. Director

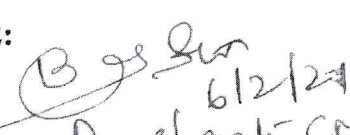
(KSCST)

Witness 1:



Name: Nagarjun M-G
Designation: Project Associate

06/02/2021

Witness 2:


Name: Dr. Prashant KCM.
Designation: HOD Principal

Witness 2:


Name: C.S.N. JAYARAM
Designation: Senior Project Engineer


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**Acharya-KSCST
IPR Cell**



List of Copyright & Patent Files & Published (2022-2024)




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List Of Copyrights Filed/Granted 2022 To 2024

SI No	Department Name	Application No	Author Names	Title	Filing Date	Status
1	AE	L-115675/2022	Mr. Somashekar V, Mrs. Madhura Yadav, Dr. Neelima Priyanka Nutulapati M P, Dr. Shivashekharayya V. Viraktamath	Iot Based Artificial Intelligence Robot System Using Object And Voice Recognition	04-01-2022	Published
2	MCA	5882/2024-Co/Sw	Pallavi M O	A Novel Software Towards Community Care	22/02/2024	Filed
3	MCA	8937/2024/Co/Sw	Sheela Maharajpet, Shrihari Bedre	An Automated Gesture Enabled Software For Appliances	22/03/2024	Filed
4	MCA	6826/2024/Co/Cw	Hanamant Jakaraddi	Smart Crop Recommendation System Using Iot Sensors	2-3-2024	Filed


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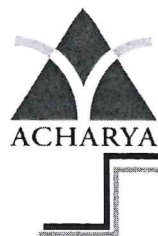
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5	CHE, AIML	5810/2024-Co/Sw	Abishek R, Tushar M Khatokar, Chetana K S, Aniketh Hebbar, Shivanjali Mohite, Muthukumar Chockalingam	Computer Vision-Based Prediction Of Newborn Bilirubin Levels From Images	22/02/2024	Filed
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List Of Design Filed/Published/Granted

SI No	Application No	Inventors Name	Title	Filing Date	Status
1	364326-001	Dr. Prashanth Kp 2. Dr. Sanman S. 3. Chethan Godlumane Ramesh 4. Dr. Lokesh G. N. 5. Chandru. M. K	Ferrous And Non Ferrous Waste Sorting Machine	17-05-2022	Published

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List Of Patents Filed/Published/Granted 2022 To 2024

SI No	Department No	Application No	Inventors Name	Title	Filing Date	Status
1	EE	202241011242 A	1)Mrs. Swetha Ganganala 2)Dr. Prakashramachandraiah 3)Mr. Sunil Kumarantharahalli Venkateshappa 4)Mrs Jhansi Krishna Reddy 5)Mrs. Deepa Kamanahalli Ravindranath 6)Mrs. Ramyamahadevaiah	Power Quality Improvement Of Distribution Network Reconfiguration Using Dynamic Rule Soft Switching Optimization Method	02-03-2022	Published
2	PHY	202241054221	Yashwanth H J And Jayachandra	Borophene Quantum Dots Reinforced Cement Mortar	22-09-2022	Filed
3	MT	202241055670	Amith H N, Tanush B D, Bhagirathi Bai V	Two Wheeler Containment And Charging Apparatus	29-09-2022	Filed
4	BT	202241069282	Amulya. G, Ismail Shareef. M, S. M. Gopinath	Synthesis And Characterization Of Metal /Metal Oxide Nanoparticles Possessing Anticancer Activity	01-12-2022	Filed

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5	BT	202341003484	Ismail Shareef. M Amulya. G S. M. Gopinath	In-Vitro And In-Vivo Assessment Of Green Synthesized Cupric Oxide Nanoparticles For Biological Activities	18-01- 2023	Filed
6	EE	202341017935	Rekha C M, Dr. Shankaralingappa C Byalihai, Dr. R Prakash, Swetha G	Optimal Placement Of Pso Based Photo Voltaiv Distributed Generation In a Distributed System	16-03- 2023	Published
7	EE	202341018330	Dayananda L N, Dr.Manjunath Hr, Chethan H R, Thejaswini R,	Optimal Power Allocation For Residential Network In Islanded Microgrid Using Capacity Market Demand Response Approach	31-03- 2023	Published
8	PHY	202341026357 A	Dr Mahesh S S, Dr. Nijaguna G, Dr. Nijaguna G, Dr.Girish H	System And Method To Model The Safety In High Speed Cars	08-04- 2023	Published
9	MCA	202341029517	Pallavi M O	Design A Frame Work For Human Behaviour And Predictoipn System	24-04- 2023	Published


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10	ISE	202341031743 A	1)Dr. Hema N 2)Dr. Komala C R 3)Dr. Nagashree N 4)T S Bhagavath Singh 5)Vinutha G K 6)Pushpalatha K S	Segmentation And Validation Of Liver Tumors	04-05- 2023	Published
11	EE	202341036810	Dhananjay M	Laboratory Evaluation Of Performance And Use Of Nylon Fibers In Cc Pavements	28-05- 2023	Filed
12		202341042172	Mr. Karthik Bs	Smart Construction For Concrete Composition And Building Materials	23-06- 2023	Filed
13	ISE	202341048149A	Dr Komala C R Dr Megha Kulkarni Sneha K Naheen M R Madusmith Beharu Mary M Desouza Pusphalatha K S Mithuna H R Ranjitha H M	Design Of Multi Model Interface To Establish Communication Among Differently Abled People Using Iot	17-07- 2023	Published
14	ECE	202341054485	Dr.Asha C N And Dr Raghunath B H	System And Method For Smart Baggage System Using Internet Of Things	14-08- 2023	Filed
15	CHY	202341056641	Mr. Darshan Reddy G, Dr. Muthukumar Chockalingam, Mr. Krishna Raju R, Mr. Chandrashekhar L, Mr. Rao	A Learning Device For An Early Assessment Of Neurological Disorders	24-08- 2023	Filed

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			Rakshith Umesh, Mr. Darshan R Anvekar			
16	MT	202341058068	Naveen Kumar S N, Devarajaiah R M, Bhuvanesh NagaraI, Chethan U M, Prashanth, Bhavana R,	Digital Bot For Autism Spectrum Disorder (Asd) In Children	30-08-2023	Filed
17	MCA	202341065940	Prof. Pallavi M O, Prof. Manish Kumar Thakur, Prof. Sheela M, Prof. Nagaraj, Prof. Channabasava Prof. Sumit S	Machine Learning-Powered Radar Sensor For Stem Bleeding Detection	30-09-2023	Filed
18	BT	202241065273	Akshata G Athreya, Ismail Shareef. M, S. M. Gopinath	Synthesis And Characterization Of Cow's Milk Silver Nanoparticles For Tackling Multidrug Resistant (Mdr) Bacteria	15-11-2023	Filed
19	PHY	202341081285	Dr. H J Yashwanth, Jayachandra, Dr. Madjukara Naik M , Dr. Hareesh K	Borophene Quantum Dots Scaffolded Tio2 Nanoparticles Towards Efficient Electrocatalysts For Hydrogen Production	24-11-2023	Published

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20	ME	202441000020	Dr.Shadakshari R ,Dr. Pakkirappa H , Dr. Shashikala A, Lokesh D, Vedant J, Darshan K N , Athish G R	Biodegradable, Hygienic And Compostable Tableware From Hybrid Bagasse As Plastic Alternative And Animal Feed	01-01-2024	Filed
21	MT	202441008027	Naveen Kumar	Non-Contact Camera Based Human Bodyvitals And Emotion Detection Device	02-06-2024	Published

N. Sarvepalli

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List of Event Conducted & Reports



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EVENT REPORT LINKS – R&D, HACKATHONS, IPR WORKSHOP, INTERNATIONAL SCIENTIFIC CONGRESS 2022-2024

S.NO.	EVENT TITLE	NO OF PARTICIPANTS	NO. OF DAYS	DATE FROM	DATE TO	COORDINATED BY	REPORT
1.	Awareness Program on Intellectual Property Rights	70	1	02.07.2022	02.07.2022	IPR Cell, Acharya Institutes	https://drive.google.com/file/d/1Zqm8p_D0wZ_Zb_grcZaZJzi_sYsyfSvJf/view?usp=sharing
2	Workshop on Prior Art Search	70	1	06.08.2022	06.08.2022	IPR Cell, Acharya Institutes	https://drive.google.com/file/d/11pFK257XPJ7NjfpAg6KP_TgvUeYesQgf/view?usp=sharing
3	Building Sustainable Startup Companies	110	1	10.12.2022	10.12.2022	IPR Cell, Acharya Institutes	https://drive.google.com/file/d/1qaau1Essl2Xgn9b-lx64ePH2aHMuvQ4C/view?usp=sharing
4	AI in Agriculture and Healthcare	100	4	04.01.2023	07.01.2023	R&D team, Acharya Institutes	https://drive.google.com/file/d/1ki3rnuahgRzspsmFOGG4f-msrKaigKOz/view?usp=sharing
5	Internal Cyber Security Hackathon Kavach 2023	90	2	30.03.2023	31.03.2023	CSE Dept & R&D team. AIT	https://drive.google.com/file/d/18Sx_5fa_cxsIE546YhTwTms7pl_rrZTx/view?usp=sharing
6	Paper Hackathon	130	4	03.07.2023	06.07.2024	R&D Team, Acharya Institutes	https://drive.google.com/file/d/13BYVvVJAOh6lm3lFiJne8H_sFAwL4sWk/view?usp=sharing
7	FDP on Writing, Defence and Implementation of Grant Proposals	60	5	08.08.2023	12.08.2024	R&D Team, Acharya Institutes	https://drive.google.com/file/d/1r88Y6QP6iGz2c6fiS6kfJUicUOLCKVQH/view?usp=sharing
8	Technotsava	120	1	06.05.2023	06.05.2023	Department + R&D Team, AIT	https://drive.google.com/file/d/1VJ_z15JS9p6lc24JceJ-Slg9nbYhcLDn/view?usp=sharing
9	Internal Smart India Hackathon 2023	130	2	20.09.2023	22.09.2023	IIC and R&D Team, AIT	https://drive.google.com/file/d/1qpc5uwTuCzopDviHxxAkD-nhRzBr5G_O/view?usp=sharing

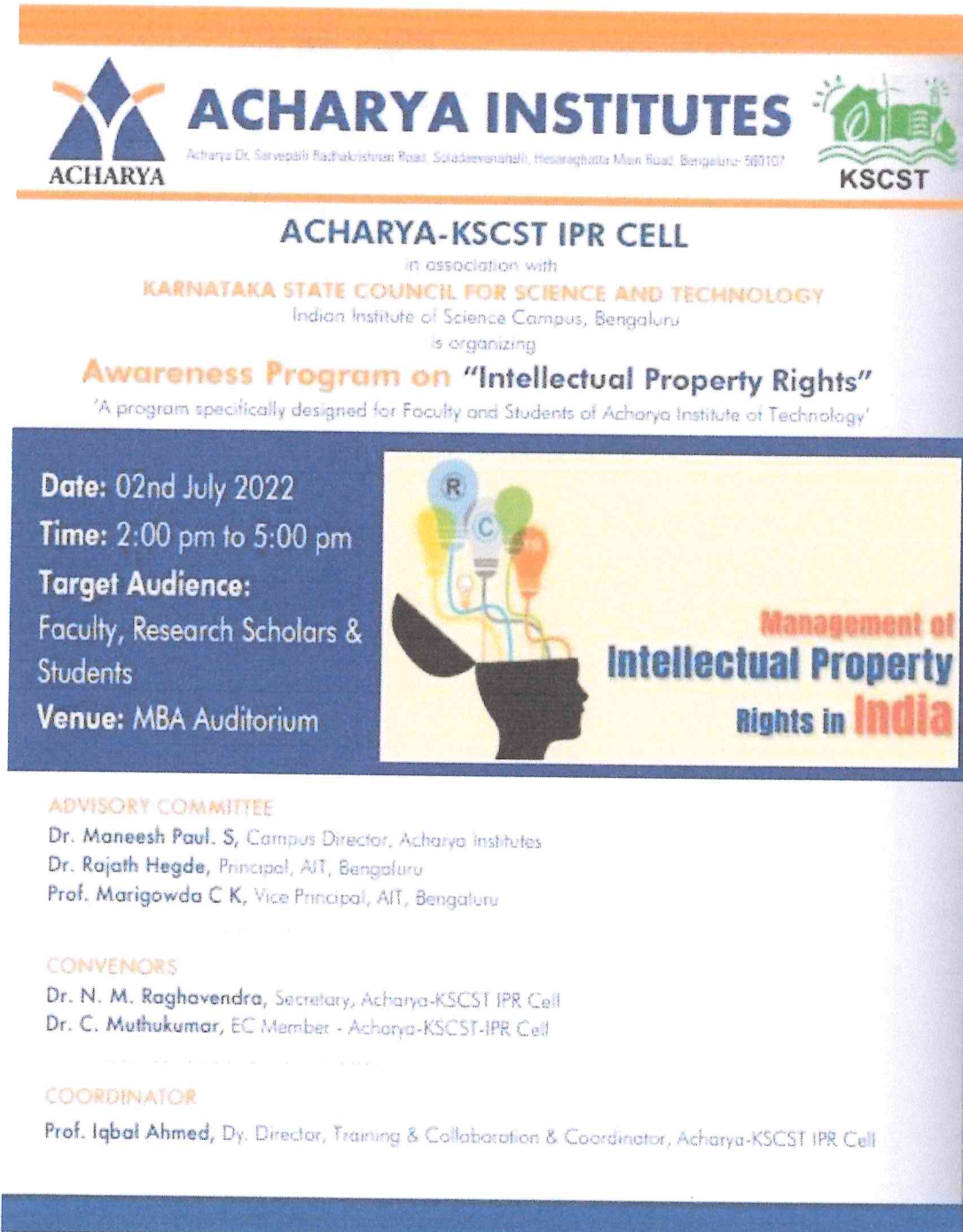
Sarvepalli

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ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BANGALURU - 560 107

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Acharya P. O., Bangalore-560 107

<https://ait.ac.in> Ph.: 080 2372 2222

EVENT BROCHURE:



The brochure features the Acharya Institutes logo on the left and the KSCST logo on the right. The central text reads: 'ACHARYA-KSCST IPR CELL in association with KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY Indian Institute of Science Campus, Bengaluru is organizing Awareness Program on "Intellectual Property Rights"'. Below this, it states: 'A program specifically designed for Faculty and Students of Acharya Institute of Technology'. A blue box on the left contains event details: Date: 02nd July 2022, Time: 2:00 pm to 5:00 pm, Target Audience: Faculty, Research Scholars & Students, Venue: MBA Auditorium. To the right of this box is an illustration of a human head profile with gears and lightbulbs, and the text 'Management of Intellectual Property Rights in India'. Below the illustration, the text 'ADVISORY COMMITTEE' is followed by the names of Dr. Maneesh Paul S., Dr. Rajath Hegde, and Prof. Marigowda C K. Below that, 'CONVENORS' lists Dr. N. M. Raghavendra and Dr. C. Muthukumar. Finally, 'COORDINATOR' lists Prof. Iqbal Ahmed.

ACHARYA INSTITUTE OF TECHNOLOGY
Acharya Dr. Sarvepalli Radhakrishnan Road, Soldevanahalli, Hebbalaghatta Main Road, Bengaluru-560107

KSCST

ACHARYA-KSCST IPR CELL
in association with
KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bengaluru
is organizing
Awareness Program on "Intellectual Property Rights"
'A program specifically designed for Faculty and Students of Acharya Institute of Technology'

Date: 02nd July 2022
Time: 2:00 pm to 5:00 pm
Target Audience:
Faculty, Research Scholars &
Students
Venue: MBA Auditorium

**Management of
Intellectual Property
Rights in India**

ADVISORY COMMITTEE
Dr. Maneesh Paul S, Campus Director, Acharya Institutes
Dr. Rajath Hegde, Principal, AIT, Bengaluru
Prof. Marigowda C K, Vice Principal, AIT, Bengaluru

CONVENORS
Dr. N. M. Raghavendra, Secretary, Acharya-KSCST IPR Cell
Dr. C. Muthukumar, EC Member - Acharya-KSCST-IPR Cell

COORDINATOR
Prof. Iqbal Ahmed, Dy. Director, Training & Collaboration & Coordinator, Acharya-KSCST IPR Cell



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IPR Cell

Acharya Institutes, Bengaluru



ABOUT THE COLLEGE

Objectives:

- Intellectual Property and Innovation will provide the students, faculty and young Entrepreneurs an understanding of the Law and Rules of IP protection.
- The program envisages to motivate participants to design innovative processes, products, and offer solutions for the current situation as well as the future.
- Aim to protect the property rights of owners of IPR so that they may bring in the benefits of their activity.

Expected Outcomes:

- The programme provides a platform to innovators, research scholars, and faculty to interact with the eminent people with expertise in IPR.
- It also helps to create a rapport between IP Attorneys and academic innovators.
- Students, research scholars and faculty will be benefited with the terms and conditions of various aspects of IPR.

TOPICS TO BE COVERED:

- Overview on Intellectual Property Rights including Patents, Industrial Designs, Copyrights, Trademarks and Geographical Indications etc.,
- How to Convert the Research/Project works into Patents
- Patentable projects with case studies

ABOUT ACHARYA INSTITUTES

Acharya Institutes is an educational organization consisting of 11 institutes that offer specializations in various fields and foster interdisciplinary progress. Sprawling in a 120-acre campus, Acharya Institutes known as Bangalore's largest Wi-Fi enabled composite academic facility. Acharya Institutes has 15 research centers, 50 academic streams with over 100 programs. 15000+ students from 75 nationalities are presently pursuing their education at Acharya Institutes. It has been certified as "Scientific Industrial Research Organisation" by Dept. of Industrial and Scientific Research, Government of India.

Acharya Institute of Technology is committed to excellence in teaching, learning, research and developing professionals in numerous disciplines, who are capable of making a difference worldwide. Established in the year 2000 offering multiple programmes in engineering and management. Students from more than 75+ countries enhance diversity, learn about academics and also get to know the world. Acharya Institute of Technology has been actively involved in research and development activities in thrust areas of national importance. AIT has been associated with some of the most prominent universities and industries across the world in order to foster research innovation and to develop entrepreneurs.

ABOUT IPR Cell - Acharya Institutes

Intellectual Property Rights Cell of Acharya Institutes recognized by Karnataka State Council for Science and Technology, (KSCST), Bengaluru spearheads all the IPR related activities in Acharya and organizes awareness programs for students and faculty. In addition, IPR cell also identifies the innovative projects across Acharya and provides complete support to patent and copyright applications.



Mr. Vivek Anand Sagar

IP Attorney & Consultant, KSCST
Topic: Innovation, IP and Institution

Guest Speakers



Mr. Bharath S

Senior Associate, K & S Partners, Bengaluru
Topic: Importance of Patents and Filing Procedure

Registration link:

<https://shorturl.at/ainFY>

www.acharya.ac.in

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Report on Awareness Program on Intellectual Property Rights (IPRs)

An Awareness program on Intellectual Property Rights was organized by the IPR Cell-Acharya Institutes in association with Karnataka State Council for Science and Technology. This program was exclusively organized for the faculty and students of Acharya Institute of Technology and Acharya Institute of Graduate Studies. The program was held on 2nd July 2022 at the MBA Seminar Hall. A total of about 70 participants took part in the program which included faculty and students members across Acharya Institutes.

Mr. Vivek Anand Sagar, IP attorney and Consultant, Karnataka State Council of Science and Technology and Mr. Bharath, Patent-Senior Associate, K&S Partners were the resource persons. The program was inaugurated at 02:00 PM with welcome speech by Prof. Dr. Iqbal Ahmed. During his introductory speech, he briefed about the importance of patents, trade marks, trade secrets, copyright, geographical indicators and industrial designs and the awareness required across India. Followed by this, Dr, Gurunath Rao Vaidya, Principal of Acharya Institute of Graduate Studies addressed the gathering and highlighted the need and importance of collaborative R&D activities for successful outcomes. Dr. Rajeswari, Dean Academics of Acharya Institute of Technology addressed the gathering and highlighted the latest technological trends for innovations.

Mr. Vivek the guest speaker begun the session with a very interactive talk on Innovation, IP and Institution. He spoke in detail about patents, copyrights etc. with case studies. He gave examples of grass-root and simple but useful innovations that were patented. He also discussed about patentability criteria and non patentable inventions. This was followed by an interactive session by Mr. Bharath the guest speaker from K&S partners. He enlightened the participants with Patent filing procedures and criteria. He had present case studies to explain the obvious and non-obvious inventions and suggested that for an idea/invention to be patentable, it has to fulfil 3 criteria: Novelty, Usefulness and Non-obviousness to any person skilled in the art.

IPR Cell
Acharya Institutes, Bengaluru



Photographs during Awareness Program on IPR.

Dr. N M Raghavendra Secretary IPR cell, Acharya Institute, Bengaluru delivered the vote of thanks. He thanked the speakers and all the participants for their active and vibrant participation.

N M Raghavendra
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ACHARYA INSTITUTES

Acharya Dr. Sarvapalli Radhakrishnan Road, Soladevanahalli, Hesaraghatta Main Road, Bengaluru- 560107



EVENT BROCHURE:



ACHARYA INSTITUTES

Acharya Dr. Sarvapalli Radhakrishnan Road, Soladevanahalli, Hesaraghatta Main Road, Bengaluru- 560107

ACHARYA-KSCST IPR CELL


in association with
KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bengaluru
is organizing

“Workshop on Prior Art Search”

‘An IPR program specifically designed for Faculty and Students of Acharya Institute of Technology
Acharya Institute of Graduate Studies & Acharya School of Design’

Date: 06-08-2022
Time: 10:00 am to 1:30 pm
Target Audience:
Faculty, Research Scholars &
Students

Venue: AES Seminar Hall
(Central Library)



Accelerated Examination
Patent Analysis and Mapping
Freedom
Patentability
Patent Proofreading
Validity
Chemical Search
Freedom to Operate Search
Patent Watch
Accelerated
Infringement
Patentability Search
Search

ADVISORY COMMITTEE

Dr. Rajath Hegde, Principal, AIT, Bengaluru
Prof. Marigowda C K, Vice Principal, AIT, Bengaluru
Dr. Gurunath Rao Vaidya, Principal, AIGS
Prof. Ramesh Narayana Rao, Dean, ASD

CONVENORS

Dr. N. M. Raghavendra, Secretary, Acharya-KSCST IPR Cell
Dr. C. Muthukumar, EC Member - Acharya-KSCST-IPR Cell
Dr. Gopalakrishnan S, R&D Head, AIGS
Mr. Brijesh Kumar, R&D Head, ASD

COORDINATOR

Prof. Iqbal Ahmed, Dy. Director, Training & Collaboration & Coordinator, Acharya-KSCST IPR Cell

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ABOUT THE COLLEGE

Objectives:

- Intellectual Property and Innovation will provide the students, faculty and young Entrepreneurs an understanding of the law and Rights of IP protection.
- The program envisages to motivate participants to design innovative processes, products, and offers solutions for the current situation as well as the future.
- Aim to protect the property rights of owners of IP so that they may bring in the benefits of their activity.

Expected Outcomes:

- The programme provides a platform to innovators, research scholars and faculty to interact with the eminent people with expertise in IP.
- It also helps to create a rapport between IP Attorneys and academic innovators.
- Students, research scholars and faculty will be benefited with the terms and conditions of various aspects of IP.

TOPICS TO BE COVERED:

- Importance of Prior Art Search
- Hands on Session – Prior Art Search

ABOUT ACHARYA INSTITUTES

Acharya Institutes is an educational organization consisting of 11 institutes that offer specializations in various fields and foster interdisciplinary progress. Sprawling in a 120-acre campus, Acharya Institutes known as Bangalore's largest Wi-Fi enabled composite academic facility. Acharya Institutes has 15 research centers, 50 academic streams with over 100 programs. 15000+ students from 75 nationalities are presently pursuing their education at Acharya Institutes. It has been certified as "Scientific Industrial Research Organisation" by Dept. of Industrial and Scientific Research, Government of India.

ABOUT IPR Cell - Acharya Institutes

Intellectual Property Rights Cell of Acharya Institutes recognized by Karnataka State Council for Science and Technology (KSCST), Bengaluru spearheads all the IP-related activities in Acharya and organizes awareness programs for students and faculty. In addition, IPR cell also identifies the innovative projects across Acharya and provides complete support to patent and copyright applications.

Resource Person

Ms. Namrata Chadha

Partner and Patent Attorney, K&S Partners



- Importance of Prior Art Search
- Hands on Session – Prior Art Search

Registration link:

<https://shorturl.at/dpqRU>

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EVENT REPORT:

On 06/08/2022, Acharya IPR Cell in collaboration with KSCST, Indian Institute of Science organized a "Workshop on Prior Art Search" at the AES Seminar Hall – Acharya Institutes. The workshop was specifically designed for Faculty & Students of Acharya Institute of Technology, Acharya Institute of Graduate Studies and Acharya School of Design.

The program's major objective was to teach students, faculty, and young entrepreneurs about intellectual property and creativity while educating them on the law and norms of protection of patents. Prior Art Search using Google patent search, InPASS, FPO, USPTO etc. software's were the topic of focus.

Prof. Iqbal Ahmed, Prof. Marigowda C K, Dr. C. Muthukumar, Dr. Gopalakrishnan S, Guest Speaker Ms. Namrata Chadha (Partner & patent attorney, K&S partners) and about 70 participants from AIT, AIGS & ASD attended the workshop.

Prof. Iqbal Ahmed welcomed the gathering and briefed about Prior Art Search. Prof. Marigowda C K addressed the participants and motivated them to convert their ideas into patent applications.

The guest speaker Ms. Namrata Chadha then taken over the session and explained the following in depth.

- 1) Purpose of search.
- 2) Outlining format for invention
- 3) Database selection.
- 4) Formulation of search strategy.
- 5) Performing a patent search & it's analysis.

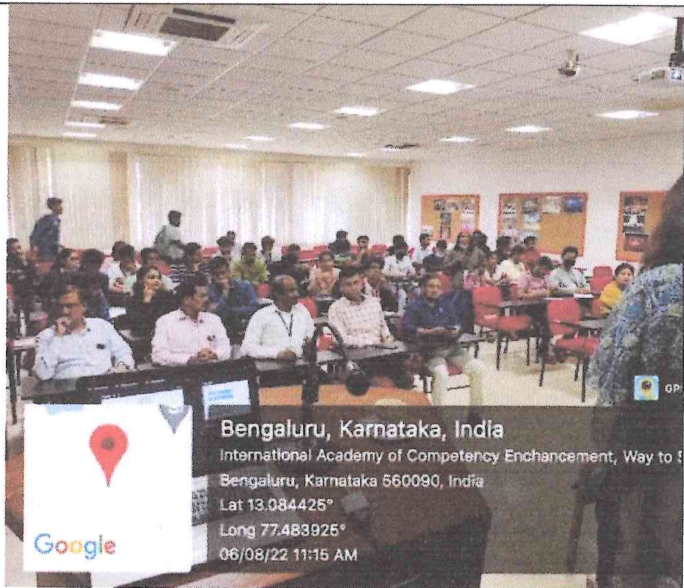
At the end of program Speaker clarified all the doubts & queries of all participants with a 20-minute hands on session on prior art search.

At the end of the event, the participants have a got a clarity on how to move forward in searching the patents (prior art) to ensure their R&D or Innovations are novel and unique for filing new patents.



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Some pictures captured during the workshop:



A. K. Kulkarni

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K. Srinivas

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EVENT REPORT ACHARYA INSTITUTES BENGALURU -107

Date: 15/12/2022

Ref.No.:

“BUILDING SUSTAINABLE STARTUP COMPANIES”

One Day Training Program for the Students and Faculty Members of Acharya Institutes -
Organized by IPR Cell of Acharya Institutes

Date of Event: 10/12/2022

Time: 09:45 AM to 04:00 PM



No. of Students Participated: 120+

No. of Faculty Participated: 20+

Event Coordinators:

Prof. Iqbal Ahmed, Dr. Sajeev Kumar B, Dr. C Muthukumar, Dr. Gopalakrishnan S

Brochure:



ACHARYA INSTITUTES #startupidia

IPR Cell of Acharya Institutes organizes
One day training program for students and faculty members on "Building Sustainable Startup Companies"

STARTUP
IDEA BUSINESS PLAN RESEARCH RISK

Date: 10-12-2022 | Time: 09:45 AM to 04:00 PM
Target Audience: students and faculty
Venue: MBA Auditorium, AIT

ABOUT THE PROGRAM:
Objectives of the Program:

- To provide a strong foundation for promoting innovative and business ideas.
- To provide program and work in a startup ecosystem by using the digital media and internet.
- Relate to students, entrepreneurs and networking to foster sustainable development.

Expected Outcomes of the Program:

- Develop business proposition and business plan.
- Develop marketing strategies.
- Develop the idea, model & innovation in the company.

ADVISORY COMMITTEE:
Dr. RAJATH HEGDE M.M (President, AIT)
Prof. C. K. MARIGOWDA (Vice President, AIT)
Dr. GURUNATH RAO VAIDYA (Member, AIT)
Dr. AMIT KUMAR DAS (Member, AIT)

CONFERENCE:
Dr. SAJEEV KUMAR B (Dr. Director Training & Collaborations, Acharya Institutes, Bangalore)
Dr. C MUTHUKUMAR (Dr. Member Acharya IIT, IPR Cell)
Dr. GOPALAKRISHNAN S (Dr. Member Acharya IIT, IPR Cell)

COORDINATOR:
Prof. IQBAL AHMED (Dr. Director, Training and Collaborations, Acharya Institutes, Bangalore)

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Time	Program
09:45 - 09:50	Overnight Opening Session
09:50 - 10:00	Welcome Address by Heads of the Institutions
10:00 - 10:40	Innovation and Entrepreneurship Mindset Prof. Iqbal Ahmed Dr. Director Training & Collaborations, Acharya Institutes, Bangalore.
10:40 - 11:20	Startup Opportunities for Students Mr. Somasundaram N Managing Director, Filikal Technologies Pvt Ltd, Bangalore.
11:20 - 11:30	Coffee Break
11:30 - 12:10	Funding Opportunities for Startups Dr. Rajesh Palani MD & CEO, Rajesh Laboratories Pvt Ltd, Bangalore.
12:10 - 12:30	4W Levealing Steps to Kickstart your Startup and Modelities to Get Success Dr. Ravishankar CV Professor & Head SCE, Sambaram Institute of Technology, Bangalore.
12:30 - 12:00	"Launch of Startup Club"
13:00 - 13:00	Teach break
13:50 - 14:30	Learning Successful Startup Ventures Ms. Padmaja Narsipur Founder/Chairperson, Clear Blue Digital, Bangalore.
14:30 - 14:45	"Distributions of Awards" (International Startup Competition & International Internship)
14:45 - 15:45	Panel Discussion with Experts Topic: Building Sustainable Startup Companies
15:45 - 15:50	Vote of Thanks followed by Group Photo

SPEAKERS

Prof. Iqbal Ahmed
Dr. Director Training & Collaborations, Acharya Institutes, Bangalore

Mr. Somasundaram N
Managing Director, Filikal Technologies Pvt Ltd, Bangalore

Dr. Rajesh Palani
MD & CEO, Rajesh Laboratories Pvt Ltd, Bangalore

Dr. Ravishankar CV
Professor & Head-SCE, Sambaram Institute of Technology, Bangalore

Ms. Padmaja Narsipur
Founder/Chairperson, Clear Blue Digital, Bangalore

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EVENT REPORT ACHARYA INSTITUTES BENGALURU -107

Objectives of the Program:

- To build a strong ecosystem for promoting innovations and startups in the institution.
- To mentor students and participants in a startup ecosystem by sharing the experience and expertise.
- Industry-academia collaborations and networking to ensure a sustainable startup ecosystem.

Summary:

The programme started with the auspicious lamp lighting by all the dignitaries followed by an invocation song. Host of program were **Ms. Keerthana and Dr. Gopalakrishnan**.

The IPR Cell head **Prof. Iqbal Ahmed** welcomed the chief guest **Mr. Somasundaram N**, Managing Director, Finixel Technologies, Bangalore and dignitaries present in the event. **Prof. Devi Nanjappan**, Principal of Smt Nagarathnamma College of Nursing Principal had addressed the participants and appreciated the initiatives of IPR Cell of Acharya Institutes. **Dr. C Muthukumar** then briefed the participants about the events planned for the day and its significance.

As the session started, **Prof. Iqbal Ahmed**, Dy. Director, Training and Collaborations, Acharya institutes, articulated about “Atmanirbhar Bharat Abhiyaan” and his talk covered the points like harnessing Yuva Shakti through self-employment, empowering Yuva Shakti through transforming education and highlighted the five pillars of economic infrastructure system. Later he added the significance of startups and how it had created a greater number of employment opportunities during the ‘COVID’. Dr Iqbal Ahmed emphasized that many startup companies were established but without proper business acumen and insight and lack of proper planning, they failed..

The chief guest **Mr. Somasundaram** was invited to address the participants on “Startup Opportunities for Students”. He took his prestigious time to address the gathering about startup opportunities. He enthusiastically addressed the gathering and quoted about startup activities, and even said that many startups start with an aim to achieve certain things but few factors have pushed it backwards and it needs to be addressed and overcome in such situations. He also clarified two questions like “whether starting a startup initially is the best or working in the office then doing startup is the best” and “What is Gorilla startup”, and was answered with humbleness.



EVENT REPORT ACHARYA INSTITUTES BENGALURU -107

Next 10 minutes a break was given and high tea was served.

After the break, the third speaker **Dr. Rajesh Palani** addressed the audience on “Funding Opportunities for Startups”. He narrated his story like how he developed a device which could record the readings in the form of a graph exactly like ECG and for this the startup got a stipend from the government of about 50 lakhs. Then he said about his principles like how he established the company from nothing to something. At the end of the session, he even clarified many queries from students. His company Rajesh labs is also one among the contenders for a unicorn and it is having one billion followers.

At mid noon **Dr. Ravishankar CV** communicated about “4W launching steps to kick start your startup and modalities to get success.” In his seminar he mentioned about “Work for success and work on failures” and he explained with many realistic examples by cracking so many humorous wordings. Overall, his session was really enjoyable and meaningful. His session was really understandable as he explained everything in a tabular format which is self-explanatory and interesting. He even explained “ABC i.e., attitude, behavior, character”, With 4W factors and he mentioned tips to avoid failures in your startup and ended his session with a fabulous quote “Job pays the Bill...business pays the lifestyle “and in the end he answered queries raised by the participants.

In the noon by 13:30pm the students left for lunch by 14:30 pm the session resumed.

In the noon session there was an inauguration of “**FOUNDERICA**” a startup club initiated by the Acharya Institutes by three students **Ms. Arpita, Mr. Rakesh and Ms. Prakruthi** and a faculty coordinator **Mr. Sumit Singha Chowdhury**, and they explained its importance to bringing out successful startup companies. They also explained the ways of joining the club through a club website and procedures.

Next, there was a prize/diploma distribution for students who won and were recognized internationally for their skill, and creativity. The prize distribution part was hosted by **Ms. Sneha MK**. A team of professors from Acharya co-organized an international conference with 4 different countries - Ukraine - Uzbekistan - Lative – Portugal very successfully. The conference was conducted in virtual mode from October 17-21, 2022, Acharya students and faculty mentors actively participated in various events of the conference and won outstanding awards for their


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A REPORT

ON

ACHARYA HACKATHON 2023

ORGANIZED BY



Acharya's Start-Up Club

Coordinated by

Student Coordinator: Ms. Arpitha (MCA-AIT)

Faculty Coordinator: Mr. Sumit Chowdhury (MCA-AIT)

Convened by

Dr. Muthukumar Chockalingam

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ACHARYA INSTITUTES
Acharya Dr Sarvepalli Radhakrishnan Rd, Soladevanahalli, Banaglore - 560107



ACHARYA INSTITUTES



Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Hesaraghatta Main Road, Bengaluru- 560107

Acharya's Startup Club
#FOUNDERICA Organizes

HACKATHON

REGISTER
ON OR BEFORE
02.01.2023

WIN EXCITING
**CASH
PRIZES**



Mentor Registration

<http://bit.ly/3Vhn0dn>



Student Registration

<http://bit.ly/3hWlwey>



Date: 4th to 7th January, 2023 | Time: 09:30 AM

Venue: MBA/ Architecture BLOCK

Registration Fee: ₹ 200 (Per Student)

Artificial Intelligence Applications in Agriculture & Healthcare

Area of Interest in Agriculture:

- Crop Yield Prediction & Price Forecast
- Intelligent Spraying
- Predictive Insights
- Agriculture Robots
- Crop and Soil Monitoring
- Plant Disease Diagnosis

Area of Interest in Healthcare:

- Medical Imaging
- Data Classification for Diseases
- Prediction & Identification of Disease
- Diagnostic Support Application
- Automating the Delivery of Treatment
- Medical Therapy Outcomes

Student Coordinator:

Ms. Arpitha (85469 94129)

Faculty Coordinator:

Prof. Sumit (85838 66180)

DAY 01 | 04.01.2023
9.30AM - 5PM
Team Building,
Mentoring and
Pitch Deck Prepara-
tion

DAY 02 | 05.01.2023
9.30AM - 3PM
First Round -
Ideas Pitching

DAY 03 | 06.01.2023
9.30AM - 5PM
Mentoring
Selected
Ideas

DAY 04 | 07.01.2023
9.30AM - 3PM
Final Round

N. Cy... ..
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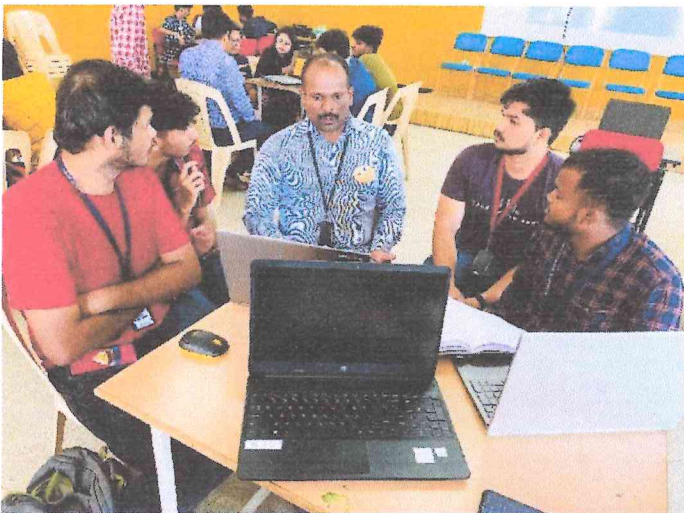
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Day 1: REPORT ON ACHARYA HACKATHON

Acharya Institute's startup club #Founderica organized a 4-day Hackathon - Artificial Intelligence Applications In Agriculture and Healthcare, from January 4th to 7th, 2023. The first day of the event was inaugurated by dignitaries including the Principal and Vice Principal of various colleges of Acharya Institutes. Professors from various departments and over 100 students actively participated in the inauguration of the Hackathon. Inspirational and Enriching Ideas were given to the students by the dignitaries and they also encouraged students to come up with innovative ideas and solutions. The whole-day event mainly included Team building among students of different specializations, mentoring, brainstorming sessions, and idea implementation planning sessions in both the healthcare and agriculture fields.



Photographs showing Event briefing and discussion with participants

K. Srinivas
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ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107



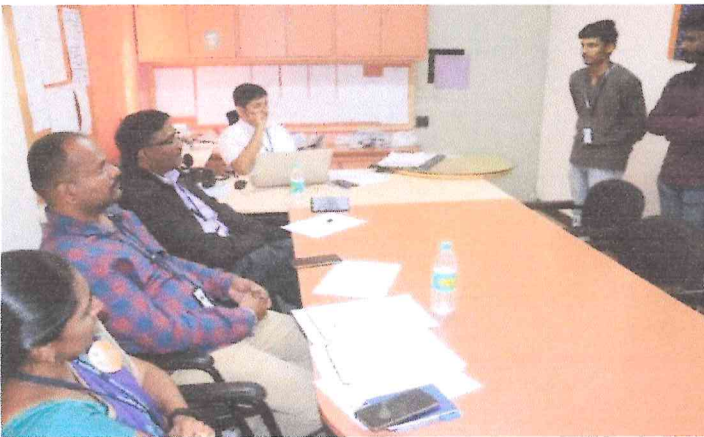
ACHARYA INSTITUTES

Acharya Dr Sarvepalli Radhakrishnan Rd, Soladevanahalli, Banaglore - 560107



Day 2: REPORT ON ACHARYA HACKATHON

The 2nd day chiefly included idea pitching by teams and review of ideas by Internal Jury Panel in both Agriculture and Healthcare innovations. All the teams presented their innovative ideas in front of the jury members for a period of 3 minutes/team, followed by a 3 minute question-answer session. The jury's review has helped the teams to build their idea to next level of implementation and prototype development.



Assessment session by experts during Hackathon

K. Srinivas
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SOLDEVANAHALLI, BENGALURU - 560 107



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Day 3: REPORT ON ACHARYA HACKATHON

On the third day, all the teams were provided with a presentation format to pitch their project in an effective manner. All the teams made their best to modify and improvise their ideas based on the suggestions given to them by the experts panel and mentors. Further they worked on the prototype which included both hardware and software to put forward their idea in a better way.



Preparation by participants for final presentation during the event.

N. S. Srinivas
PRINCIPAL
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SOLDEVANAHALLI, BENGALURU - 560 107



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Day 4: REPORT ON ACHARYA HACKATHON

On Day 4, the final day of Hackathon was filled with energy and excitement. The coordinators, participants and volunteers arrived at the venue to welcome the jury members. Eminent jury members from both healthcare and agriculture sectors were invited to evaluate the projects in order to honor the most impactful and innovative ones. Participants from each team presented their ideas and prototypes in front of the jury members and the projects were evaluated by the jury on a scale of 70. **The healthcare jury was headed by a senior neurosurgeon Dr. Murali Mohan, Director, Department of Neurology, People tree Hospitals, Bangalore. The agriculture jury was headed by a seniormost agricultural scientist Dr. Harinikumar, GKVK University of Agricultural Sciences, Bangalore.**

At 3 pm, the results were announced, 2 winners each from healthcare and agriculture sector. **First and Second prize winners were given certificates and cash prizes as token of appreciation.** The hackathon was concluded with inspirational and uplifting speech by the eminent jury members, Mr. CBM Bhooshan, Director of Placements, Acharya Institutes and Prof. Marigowda CK, vice-principal of Acharya Institute of Technology.

The hackathon came out to be a very successful event providing a wonderful opportunity and platform for the students from various departments to interact with each other and learn so many new things. This was a wonderful interdisciplinary event where students and mentors of different specialization came together and worked for continuous 4 days to bring out useful solutions for real world problems.



Presentation by the participants during the event.

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Award distribution and Valedictory session during the event

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List of Hackathon 2023 Winners

Artificial Intelligence in Healthcare

Winner:

Project Name - **OKidney**

Mentor name - **Ms. Kumbhar Tripti (ECE)**

Students: **Danush (MT), Ishani Chowdhury (Pharm), Nandana R. Das (Pharm), Dinisha Sharma (Pharm)**

Runner:

Project Name - **The Mellitusloop**

Mentor name - **Ms. Pallavi (MCA)**

Students: **Saish (MT), Pranathi (ECE), Yashaswini (ECE), Manoj Kumar (CSE)**

Artificial Intelligence in Agriculture

Winner:

Project Name - **Beyond Shelf**

Mentor name - **Mr. Jovin Deglus (CSE)**

Students: **Aditi (BT), Monisha Prashant (BT), Prashanth Kumar (MT), Ramanand Mahato (CSE)**

Runner:

Project Name - **Smart Fly**

Mentor name - **Mr. Lakshmikanth Reddy (EEE)**

Students: **Namratha (CSE), Suraj Singh (ECE), Gourish Hedge (AIML), Manu C K (CSE), Srihari Y S (CSE)**

Special thanks to all the mentors who supported the hackathon teams in bringing out their best:

Mentor Name	Institution	Areas of Interest
Dr. Ajith Padyana	Acharya Institute of Technology	Programming - AIML
Dr. Gopalakrishnan	Acharya Institute of Graduate Studies	Management Studies
Mr. Sandeep Kumar K	Acharya Institute of Technology	IoT
Mr. Sunil SK	Acharya Institute Of Technology	Product Design
Ms. Suma C	Acharya Institute of Technology	IoT
Dr Lakshmikanth S	Acharya Institute of Technology	Instrumentation & Automation
Mr. Madhusudhan S	Acharya Institute of Technology	Instrumentation & Automation
Mr. Lakshmikanth Reddy	Acharya Institute of Technology	IoT
Ms. Monica M	Acharya Institute of Technology	Human Resource
Dr Suresh Janadri	Acharya & BM Reddy College of Pharmacy	Medical Therapy Outcomes
Mr. Sunil Kumar AV	Acharya Institute of Technology	Product Design
Mr. Jovin Deglus	Acharya Institute of Technology	IoT
Ms. Soumya Santhosh	Acharya Institute of Technology	IoT
Ms. Bhavya V M	Acharya Institute of Technology	Business Management - Finance
Ms. P.Snehalatha Reddy	Smt. Nagarathnamma College of Nursing	Medical Therapy Outcomes
Ms. Pallavi M O	Acharya Institute of Technology	Programming - AIML
Ms. Pranita Niraj Palsapure	Acharya Institute of Technology	Programming - AIML
Ms. Ramya B	Smt Nagarathnamma College of Nursing	Medical Therapy Outcomes
Ms. Sumangala S Jambli	Acharya institute of technology	Instrumentation & Automation
Ms. Kumbhar Tripti Ravikumar	Acharya Institute of Technology	Instrumentation & Automation
Dr. Venkatesh D P	Acharya & BM Reddy College of Pharmacy	Product Design
Dr. Ashokan	Acharya Institute of Graduate Studies	Management Studies
Dr. Dhanalakshmi	Acharya Institute of Graduate Studies	Management Studies
Dr. Brungesh K V	Acharya Institute of technology	Biotech, Chemistry - Agriculture
Dr. Jayalaxmi H	Acharya Institute of Technology	Agriculture

K. J. Reddy

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560107



A REPORT ON
INTERNAL CYBER SECURITY HACKATHON KAVACH 2023

ORGANIZED BY
CSE/ISE/AIML

In Association with IIC, Acharya Startup Club Founderica, Spices



Faculty Coordinator: Mrs. Sneha N P

Student Coordinator: Vasanth A, Shaik Mohammad Junaid

**Student Volunteers: Akhil R, Deepak Rahul, Ajay K, Vijay, Tushar,
Narayana Murthy, Ashad Vali**

Convened by:

Dr. Muthukumar Chockalingam
Dr. Ajith Padyana


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PRESENTS



INTERNAL CYBER SECURITY HACKATHON



Acharya Dr. Sarvapalli Radhakrishnan Road, Soladevanahalli, Hosuraghatta Main Road, Bengaluru- 540107



LAST DATE OF REGISTRATION: 29TH MARCH 2023
VENUE: CSE SEMINAR HALL

- Team of 6 students is mandatory out of which at least one must be female candidate
- Best 10 teams will be nominated to participate in Grand Finale of KAVACH 2023
- Grand Opportunity for all students to submit ideas for KAVACH 2023

Faculty Coordinator:

Prof. Sneha N P (CSE):
9538751493

Prof. Pankaj Kumar (ISE):
7760532624

Student Coordinator:

Mohammad Junaid (AIML):
9398777451

DAY 01 | 30.03.2023
9AM - 5PM
Idea Presentation
by Teams &
Mentoring

DAY 02 | 31.03.2023
9AM - 1PM
Jury and selection
of the best 10 ideas
for kavach

FOR MORE DETAILS VISIT :

- > <https://kavach.mic.gov.in/letter/ Guidelines-College-SPOC.pdf>
- > <https://kavach.mic.gov.in/>

www.acharya.ac.in

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About The Event

Day-1 Report


Working toward empowering these imperative notions of our society, the Ministry of Education Innovation Cell, AICTE along with the Bureau of Police Research and Development and Indian Cybercrime Coordination Centre have launched 'KAVACH-2023' a unique national Hackathon to identify innovative concepts and technology solutions for addressing the security challenges of the 21st century faced by our intelligence agencies.

KAVACH-2023 is a unique opportunity for higher institutional Students and Startups in India to submit their innovative ideas/concepts under different problem statements. This hackathon has 20 Problem statements related to the cyber security domain against which the innovative minds will be able to submit their ideas and compete against each other.

In order to shortlist the teams from the Institution, the Department of Computer Science & Engineering, Information Science & Engineering, and Artificial Intelligence and Machine Learning Engineering organized a hackathon named 'Internal Cyber Security Hackathon Kavach 2023' on 30th and 31st of March 2023 at CSE Seminar hall.

On the first day, the program started with the inaugural function in the presence of Dr. M M Rajath Hegde, Principal, AIT, Prof. Marigowda C K, Vice Principal, AIT, Dr. Muthukumar Chockalingam, Research and Development Coordinator, Dr. Ajith Padyana, HOD, CSE and HOD's from various department. A total of 14 teams of 84 students actively participated in the event.

Inspirational and Enriching Ideas were given to the students by the internal jury members Dr. Muthukumar Chockalingam, Research and Development Coordinator, Dr. Ajith Padyana, HoD, CSE, Dr. Vijayashekhhar S Sankannanavar, Head of the Department, AI/ML, Dr Anand Rajendran, HoD, MCA and they also encouraged students to come up with innovative ideas and solutions. The whole-day event mainly included mentoring and idea finalization by teams, brainstorming sessions, work on the project and presentations, and idea presentation. The program schedule for two days is as follows:


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ACHARYA INSTITUTE OF TECHNOLOGY
Presents



INTERNAL CYBER SECURITY HACKATHON
FOR KAVACH 2023

Program Schedule - March 30 & 31, 2023



DATES	TIME DURATION	EVENTS	VENUE
Day 1: 30/03/2023 Idea Presentation and Mentoring	09:30 a.m.- 10:00 a.m.	Registrations	Seminar Hall, CSE Block
	10:00 a.m.- 10:30 a.m.	Inauguration	
	10:30 a.m.- 10:45 a.m.	Instructions to Participants	
	10:45 a.m.- 11:00 a.m.	Workplace Allotment	
	11:00 am- 11:30 am	First Round Idea Presentation – 3 mins per team	
	11:30 am- 12:45 pm	Mentoring & Idea Finalization by teams	
	01:30 p.m.- 03:30 p.m.	Work on the Project and Presentation (as per the given PPT format)	
	03:30 p.m.- 04:45 p.m.	Second Round Idea Presentation – 3 mins per team	
	04:45 p.m.- 05:00 p.m.	Closing session (day 1)	
Day 2: 31/03/2023 Presentation before the Jury Panel	09:00 a.m.- 10:00 a.m.	Teams Assemble and Preparations for Final Pitch	
	10:00 a.m.- 11:15 a.m.	Final Pitch before the Jury Panel (3 minute / team in the given PPT format)	
	12:15 p.m.- 12:30 p.m.	Result Announcement	
	12:30 p.m.- 12:45 p.m.	Summing up - Closing of the Hackathon	

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Day-2 Report

On day two students assembled and prepared for the final pitch. All the teams presented their innovative ideas in front of the jury members for a period of 3 minutes/team, followed by a 3 minute question-answer session. The jury's review has helped the teams to build their idea to the next level of implementation and prototype development. Hackathon was filled with energy and excitement. The coordinators, participants, and volunteers arrived at the venue to welcome the jury members for the valedictory function. The results were announced and the top ten teams were announced.

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Photos of the events organized

Registration



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Inauguration



Guidance



Internal Evaluation



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External Evaluation



Valedictory



Pictures of all participating teams

A. C. Kulkarni
PRINCIPAL

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Team 1



GPS Map Camera

Soladevanahalli, Karnataka, India
3FPM+2XW, Soladevanahalli, Karnataka 560107, India
Lat 13.085177°
Long 77.484863°
31/03/23 10:14 AM GMT +05:30

Team 2



GPS Map Camera

Soladevanahalli, Karnataka, India
3FPM+2XW, Soladevanahalli, Karnataka 560107, India
Lat 13.085188°
Long 77.484868°
30/03/23 11:31 AM GMT +05:30

Team 3



Team 4



Team 5



Team 6



Team 7



Team 8



Team 9



Team 10



Team 11



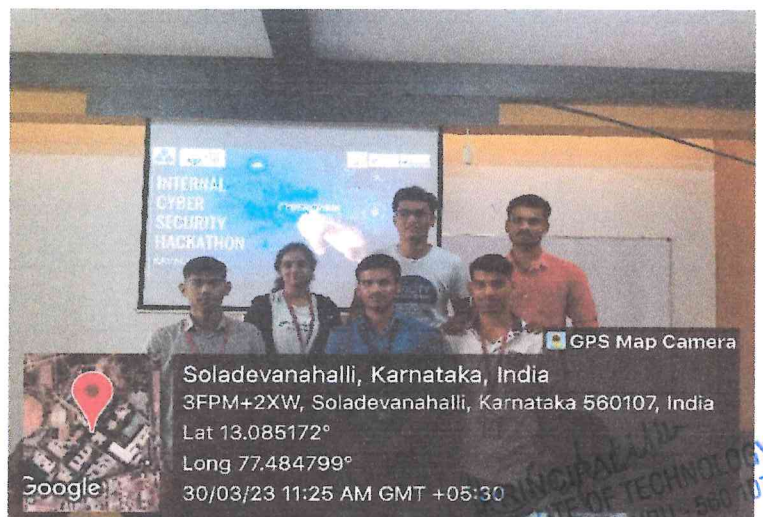
Team 12



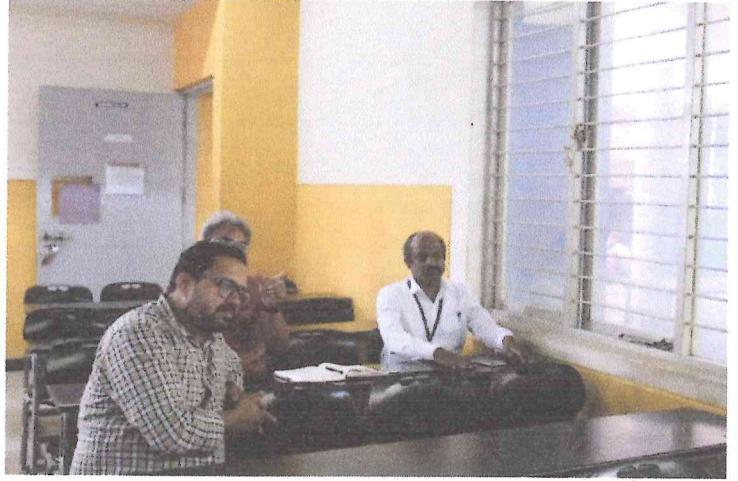
Team 13



Team 14



Judging Process



Jury Panel Photo And Relevant Photos

Babji VS



A successful track record as Technopreneur as IT – Cloud and Cybersecurity Solutions and Services Business Unit Head with experience and expertise both - as entrepreneur and cofounder of a VC funded Tech startup in the business of Cloud Infrastructure Management Services.

K. C. Prasad

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Rinka Singh



Rinka Singh, Co-founder, Melt Iron has 35+ years of experience in cooperate and as an entrepreneur, His core technological capabilities are in operating systems and Network protocol. Currently volunteering ISpirit, leading cybersecurity wing.

Prof. Chaitra B



Prof. Chaitra B, HoD, Department of Information Science & Engineering, has 18 years of experience. She has established expertise in machine learning. Her primary areas of interest lie in machine learning, Internet of Things and embedded systems.

Nominated Top Teams

Team 1



Team 4



R. Chaitra B
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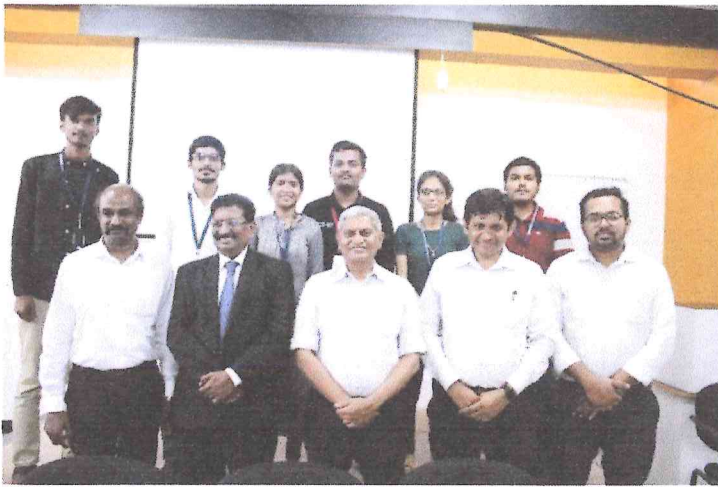
Team 5



Team 7



Team 9



Team 10



Team 11



Team 13



Acharya

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Team 14



Team 15



Total teams and students participated

Team No.	Team Name	Team Member Name	USN
1.	Eagle Eye Watchers	Aditi Das (Team Lead), Aditya shatriya, Ansh Kumar Jha, Raunak Priyadarshini, Nishka Kumar, Krishnandan Pandit	1AY21CS014, 1AY21CS018, 1AY21CS034, 1AY21CS148, 1AY21CS120, 1AY21CS081
3.	The Hexa-Code	Madan Kumar P (Team Lead), Darshan My, Anusha Ms, Kiran Mb, Sunil R, Umadevi M V	1AY21EC415, 1AY21EC407, 1AY21EC407, 1AY21EC414, 1AY21EC422, 1AY20EC095
4.	Ikshana	Meghna Keshri (Team Lead), Haripriya Khajuria, Lavanya J C, M Jyoshitha, Maithry V Pappu, Nimisha Murthy	1AY20CS083, 1AY20CS059, 1AY20CS071, 1AY20CS073, 1AY20CS077, 1AY20CS102
5.	Digital Defenders	Shahil Rasheed (Team Lead), Sreejith PM, Spoorthi kl, Mohammed Noushir, Bhargavi R, Yamini Mahesh	1AY20AI036, 1AY20AI045, 1AY20AI043, 1AY20AI024, 1AY20AI011, 1AY20AI051
6.	The Scanners	Vishal Kumar (Team Lead), Shaik Mohammad Junaid, Nahush S, Guruprasad R, Akula Vidyullatha, Shaik Sarfaraz Basha	1AY20AI049, 1AY20AI037, 1AY20AI025, 1AY20AI020, 1AY20AI005, 1AY20AI038
7.	Walk With Her	Chandu S P (Team Lead), Pratheeksha bhat, Akshath Raj, Bhuvan S, Chaithanya V, Deeksha N	1AY20CS044, 1AY20CS034, 1AY20CS013, 1AY20CS038, 1AY20CS040, 1AY20CS048
9.	Digital Rakshak	Malika Naushad (Team Lead), Shivaraj hiremath, Pranav bhat, Pawan kumar pandit, Nayana patil G N, Tejas ashok	1AY21EC064, 1AY21EC112, 1AY21EC088, 1AY21EC084, 1AY21EC079, 1AY21EC121
10.	Arya	Ritesh Doijode (Team Lead), Tejus Hundre, Rohan, Sunad Magdum, Arpita Gowda, Poojith M	1AY21MT433, 1AY21MT439, 1AY21MT434, 1AY21MT417, AIT22MCAV015, AIT22BEMT055

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11.	405_Found	Hemanth Kumar Dm (Team Lead), Kiran Bv Swarna Ss, Nandish R, Pallavih, Harshitha Br	1AY21EC412, 1AY21EC413, 1AY21EC423, 1AY21EC417, 1AY20EC100, 1AY21EC411
12.	Spectra	Shreya Hegde (Team Lead), Ajay Kumar K, Shreyas R P, Ashad Vali, Amlesh M, Chandrashekhar A	1AY20AI041, 1AY20AI003, 1AY20AI042, 1AY20AI009, 1AY20AI006, 1AY20AI013
13.	Call Suraksha	Chinmaya Dandin(Team Lead), Bhoomika NK, Darshan AR, Akshali Sumanth, Manoj, Chandramouli	1AY20IS024, 1AY20IS020, 1AY20IS027, 1AY20IS008, 1AY20IS051, 1AY20IS022
14.	Tech Crew	Ritwik Raj(Team Lead), Adilkhan H Kulkarni, Syed Talha Ahmed, Saket Thapa, Siyasharan Mahato, Rakshitha N B	1AY21EC099, 1AY21CS013, 1AY21EC120, 1AY21EC103, 1AY21EC115, 1AY21EC094
15.	Scudo	Vasanth A(Team Lead), Krishang, Tharun, Chethana, S Akshatha, Amogh H	1AY20CS179, 1AY20CS199, 1AY21CS419, 1AY20AI014, 1AY20CS126, 434CS20011
16.	Signal Hawk	Swapnil Amol Sindhur(Team Lead), Suraj Singh, Brajbhushan Sharma, Prajwal KP, Avinash A Mogri, Likhita Jayakanth	1AY20EC089, 1AY20EC087, 1AY20EC016, 1AY20EC062, 1AY20EC010, 1AY20EC041

Mentor Details

Name	Designation	Department
Dr. Ajit Padyana	Associate Professor & Head	CSE
Dr. Jayalaxmi H	Associate Professor	ECE
Dr. Asha C N	Associate Professor	ECE
Dr. Sumanth V	Associate Professor	CSE
Sandeep kumar K	Assistant Professor	ECE
Kavitha Nair R	Assistant Professor	AIML
Sneha N P	Assistant Professor	CSE
Jovin Deglus	Assistant Professor	CSE
Rakshitha B T	Assistant Professor	CSE
Nischitha M H	Assistant Professor	MT
Srikantha S P	Assistant Professor	CSE
Pankaj Kumar	Assistant Professor	ISE
Soumya Santhosh	Assistant Professor	AIML

Social Media Links:

Facebook	https://www.facebook.com/410124029036607/posts/pfbid0Pjx6GibCusxUB5gMk1Zq1cxrx5DNdHSFC36G5Y9HF6KpMy27mipXqLE59efoabl/?mibextid=Nif5oz
Twitter	https://twitter.com/acharya_ac_in/status/1640982080296484865?t=LMFEnRI7Qcjz20Qpjf3Bsw&s=19
LinkedIn	https://www.linkedin.com/posts/drajithpadyana_kavach-innovation-education-activity-7046814741486338050-a1n1?utm_source=share&utm_medium=member_android
Instagram	https://www.instagram.com/p/CqXiAWABzzl/?igshid=YmMyMTA2M2Y=

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A REPORT

ON

**PAPER HACKATHON 2023
(3-6, July 2023)**

ORGANIZED BY



Journal Club
ACHARYA JOURNAL CLUB

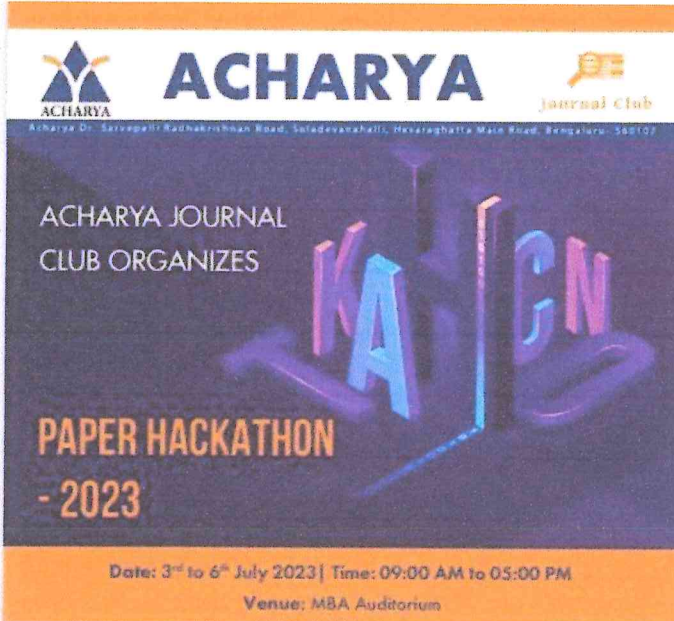
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ACHARYA JOURNAL CLUB ORGANIZES

PAPER HACKATHON - 2023

Date: 3rd to 6th July 2023 | Time: 09:00 AM to 05:00 PM
Venue: MBA Auditorium

OBJECTIVE OF THE EVENT

To mentor young researchers and students to develop manuscripts for paper publications.

Entry Categories

- Basic & Applied Sciences
- Engineering & Technology
- Interdisciplinary Fields
- Medical & Pharmaceutical Sciences
- Literature & Humanities
- Social Sciences

Submit your Paper Abstracts: <https://shorturl.at/CLP28>

- The participating team should have 2 to 4 students and a mentor.
- Total number of registrations is limited to 30 teams. Last date for abstract submission is 25th June 2023.
- Best 30 abstracts will be selected and acceptance letter including registration fee link will be sent by email on 27th June 2023.
- Selected participants need to bring necessary materials and data for manuscript writing
- Selected participants should be present in the hackathon hall from 9 am to 5 pm during the hackathon.
- Participation certificate will be provided to all participants.
- Best manuscripts duly selected by the Jury, will be awarded with certificates and cash prizes.
- Support will be extended for publishing the work in relevant journals.

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Announcement - (Call for Applications)	19th June
Last Date for Abstract Submission - Paper Abstracts and Objectives.	25th June
Announcement of selected Abstracts- Participants List for Paper Hackathon	27th June
Last Date for Registration Fee.	30th June
Hackathon Begins - Manuscript Development, Mentoring & Selection of Best Papers.	3rd July to 6th July

Advisory Members

Dr. Rajath Hegde M M, Principal
Acharya Institute of Technology

Prof. Marigowda C K, Vice Principal
Acharya Institute of Technology

Dr. Gurunath Rao Vaidya,
Principal, Acharya Institute of Graduate Studies

Dr. Manjunath P M
Principal, Acharya & SM Reddy College of Pharmacy

Prof. Iqbal Ahmed
Research Head, Dy Director Training & Collaborations,
Acharya Institutes

Dr. Devi Nanjappa
Principal, Smt. Nagarathnamma College of Nursing

Theme Coordinators

Basic & Applied Sciences:
Dr. Akhela Umamathi - AIT
Dr. Pavankumar M A - AIGS
Dr. Harish M N K - AIT

Engineering & Technology:
Dr. Pedireddy Sreekanth Reddy - AIT
Mr. Devasis Pradhan - AIT

Interdisciplinary Fields:
Dr. Vijayashankar SS - AIT
Mr. Sandeep Kumar K - AIT

Event Coordinators

Dr. Raguram Thangavel - AIGS
Mr. Lakshminath Reddy - AIT
Dr. Shabhana Muthusamy - AIGS
Dr. Yashwant Venkatraman Naik - AIGS
Mr. Yaswanth H J - AIT
Ms. Sneha N P - AIT
Mr. Chandrashekar L - AIT
Mr. Vasantha Malagi - SNCN

Medical & Pharmaceutical Sciences:
Dr. Suresh Janadri - ABMRCP
Dr. Muthukumar M - AIT

Literature & Humanities:
Dr. Gamaya K P - AIGS
Mr. Sreejith Ramachandran - AIT

Social Sciences:
Dr. Abdul Raffe Naik - AIGS
Dr. K M Gulisha - AIGS

Event Convenors

Dr. Muthukumar Chockalingam - AIT
Dr. Gopalakrishnan S - AIGS
Dr. Guru Basavaraj Swamy - ABMRCP

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PROGRAM SCHEDULE

Day 1: 03/07/2023		Venue: MBA Auditorium
TIME	EVENTS	
09:00 a.m. - 09:45 a.m.	Registrations	
09:45 a.m. - 09:50 a.m.	Welcome Address and Inauguration with Lamping of Light	
09:50 a.m. - 10:10 a.m.	Address by Head of the Institutions & Divisions	
10:10 a.m. - 10:15 a.m.	Address by the Organizers of the Paper Hackathon	
10:15 a.m. - 10:20 a.m.	Introduction of the Chief Guest	
10:20 a.m. - 10:40 a.m.	Keynote Address by Dr. Ashutosh K Singh Scientist, Centre for Nano and Soft Matter Science (CeNS), Bangalore.	
10:40 a.m. - 10:45 a.m.	Introduction of the Chief Guest	
10:45 a.m. - 11:00 a.m.	Keynote Address by Dr. Murali Mohan S Director of Neurosciences, People Tree Hospitals, Bangalore.	
11:00 a.m. - 11:05 a.m.	Vote of Thanks	
11:05 a.m. - 11:15 a.m.	Coffee Break	
11:15 a.m. - 12:00 p.m.	Experts Talk on Structure and Components of a Research/Review Paper: <ul style="list-style-type: none"> - Dr. Gopalakrishnan, Professor, AIGS - Dr. Guru Basavaraj Swamy, Professor, ABMRCP - Mr. Devasis Pradhan, Assistant Professor - AIT 	
12:00 p.m. - 12:30 p.m.	Workplace Allotment in Different Venues:	
	<ul style="list-style-type: none"> - Basic and Applied Sciences - Engineering & Technology - Literature & Humanities 	ANA Block Seminar Hall
	<ul style="list-style-type: none"> - Interdisciplinary Fields - Medical & Pharmaceutical Sciences - Social Sciences 	EC Block Seminar Hall

02:15 p.m	
02:15 p.m – 03:30 p.m	Teams with mentors to work on Revising the Draft
03:30 p.m – 03:45 p.m	Coffee Break
03:30 p.m – 04:30 p.m	Teams with mentors to work on Revising the Draft
04:30 p.m – 04:45 p.m	Submission of work done document through Google Form. - (Abstract, Introduction, Methods, Results, References Sections)
04:45 p.m – 05:00 p.m	Closing session (day 2)
Day 3: 05/07/2023	
09:00 a.m. - 09:15 a.m.	Teams Assemble in Respective Venues
09:15 a.m. - 09:30 a.m.	Instructions by the Theme Coordinators - On Discussions and Conclusions Section Write Up
09:30 a.m. – 10:00 a.m	Mentoring by the Respective Team Mentors
10:00 a.m. – 10:30 a.m	Teams to work on the Draft – Discussions and Conclusions Part
10:30 a.m. – 10:40 a.m	Coffee Break
10:40 a.m. – 01:00 p.m	Teams to work on the Draft – Discussions and Conclusions Sections
01:00 p.m. – 01:45 p.m	Lunch Break
01:45 p.m – 02:15 p.m	Review and Suggestions by Theme Coordinators
02:15 p.m – 03:30 p.m	Teams with mentors to work on Revising the Draft
03:30 p.m – 03:45 p.m	Coffee Break
03:30 p.m –	Teams with mentors to work on Revising the Draft

12:30 p.m.- 01:00 p.m.	Instructions to the Teams by the Theme Coordinators in respective venues - Abstract Corrections - Instructions and suggestions for writing Introduction and Reference Part
01:00 p.m.- 01:45 p.m.	Lunch Break
01:45 p.m. - 03:00 p.m.	Teams to work on Abstract Revision. Introduction Part Write up including References
03:00 p.m. - 03:30 p.m.	Teams with mentors to work on the Draft
03:30 p.m. - 03:45 p.m.	Coffee Break
03:45 p.m. - 04:30 p.m.	Teams with mentors to revise the Draft.
04:30 p.m. - 04:45 p.m.	Submission of work done document through Google Form. - <i>(Abstract, Introduction and References Sections)</i>
04:45 p.m. - 04:50 p.m.	Closing session (day 1)

Day 2: 04/07/2023

TIME	EVENTS
09:00 a.m. - 09:15 a.m.	Teams Assemble in Respective Venues
09:15 a.m. - 09:30 a.m.	Instructions by the Theme Coordinators - On Methods and Results / Approach and Findings write up
09:30 a.m. - 10:00 a.m.	Mentoring by the Respective Team Mentors
10:00 a.m. - 10:30 a.m.	Teams to work on the Draft – Methods and Results Sections
10:30 a.m. - 10:40 a.m.	Coffee Break
10:40 a.m. - 01:00 p.m.	Teams to work on the Draft – Methods and Results Sections
01:00 p.m. - 01:45 p.m.	Lunch Break
01:45 p.m. -	Review and Suggestions by Theme Coordinators

04:30 p.m		
04:30 p.m – 04:45 p.m	Submission of work done document through Google Form. - (Abstract, Introduction, Methods, Results, Discussions, Conclusions & References Sections)	
04:45 p.m – 04:50 p.m	Closing session (day 3)	
Day 4: 06/07/2023		
Venue: MBA Auditorium		
09:00 a.m. - 09:30 a.m.	Teams Assemble in Respective Venues	
09:30 a.m. - 12:30 p.m.	Evaluation of the Research Paper Manuscripts by Eminent Jury Members - Moderators: All Theme Coordinators	
	JURY PANEL	STREAM
	Prof. K R Y Simha Emeritus Professor of Mechanical Engineering, Indian Institute of Science, Bangalore.	Engineering and Technology & Interdisciplinary Fields
	Dr. C Badrinath, Scientist F, Group Director, Gas Turbine Research Establishment (a DRDO lab) Bangalore.	Engineering and Technology
	Dr. Nakul Ramanna Professor & Head, Civil Engineering, Presidency University, Bangalore.	Engineering and Technology
	Dr. Ramakrishnan N Head - Lean Operations and Systems Specialization, School of Business and Management CHRIST (Deemed to be University) Bangalore.	Social Sciences, Literature & Humanities
	Dr. Sandya S, Principal Research Scientist, Indian Institute of Science, Bangalore	Medical & Pharmaceutical Sciences
	Dr. Prabu Tej J Assistant Professor of Physics MS Ramiah University, Bangalore	Basic and Applied Sciences
02:00 p.m – 03:00 p.m	Valedictory - Special Address by Jury Members - Best Research Paper Manuscript Awards - Summing up with Vote of Thanks	

List of Teams Shortlisted for Participation in the Paper Hackathon

S. No	Entry Category	Team Name	Team Members (Students)	Mentor	College Name
1	Basic & Applied Sciences	Titanium Group	Hithaish M V, Disha P K	Dr. Shobana M	Acharya Institute of Graduate Studies
2	Basic & Applied Sciences	Ferrite Group	Nandini Sunil Dandawate, Priyanka G, Maheshwar.S, Deepika.S	Dr. Raguram T	Acharya Institute of Graduate Studies
3	Basic & Applied Sciences	Perovskites group	Priyanka.G, Nandini Sunil Dandawate, Maheshwar.S	Dr. Amrita Singh	Acharya Institute of Graduate Studies
4	Engineering & Technology	Dreamers	LEKHANA SATHEESHA, ASHMITH, L	Mr. Chandrashekhar	Acharya Institute of Technology
5	Engineering & Technology	New Vision	Aafira, Chikita, Manasa R, Sanjana S Patil	Ms. Sneha MK	Acharya Institute of Technology
6	Engineering & Technology	Brainstormers	Manoj P, Sreenidhi R G	Ms. Sneha M K	Acharya Institute of Technology
7	Engineering & Technology	Vitamin-on	Vishwas KY, Punya Keerthi GK	Ms. Pallavi MO	Acharya Institute of Technology
8	Engineering & Technology	Enigma	Shreya Hegde, Mohammed Noushir,	Ms. Soumya Santhosh	Acharya Institute of Technology
9	Engineering & Technology	Research minds	Sandhya, Vandana, Saniya Kousar, Waseeha	Ms. Sneha NP	Acharya Institute of Technology
10	Engineering & Technology	In-Visionaries	Tushar M Khatokar, Ajay Kumar K, Gagandeep Y, Chandrashekhar	Dr. Vijayashekhar S S	Acharya Institute of Technology
11	Engineering & Technology	Team Management	VINUKONDA VINEEL VIJAY, D SAMEER HUSSAIN	Ms. Harshitha TN	Acharya Institute of Technology
12	Engineering & Technology	Scudo	Chetana K S, Bhargavi R, Guruprasad R	Ms. Kavitha Nair R	Acharya Institute of Technology
13	Engineering & Technology	Pragnya	GOURISH HEGDE, SAMARTH PARANDE	Dr Ajith Padyana	Acharya Institute of Technology
14	Engineering & Technology	Nation Builders	Prerana S N, Deepak Kumar Thakur	Dr. P Sreekanth Reddy	Acharya Institute of Technology
15	Interdisciplinary Fields	Bauxite Upcycler	Deeksha C, Maria Sneha A, Vidhya G	Dr. Suneetha T.B and Dr. P Sreekanth Reddy	Acharya Institute of Technology
16	Interdisciplinary Fields	STEM	AADHIL SD, VISHNU KEERIYAT	Dr.S. Gopalakrishnan	Acharya Institute of Graduate Studies
17	Interdisciplinary Fields	Nisaram	Sreejith PM, Amelesh M	Mr. Jovin Deglus	Acharya Institute of Technology
18	Interdisciplinary Fields	Healthy Sunlight	Darshan Reddy G, Darshan R Anvekar, Krishna raju R	Dr. Muthukumar Chockalingam	Acharya Institute of Technology
19	Medical & Pharmaceutical Sciences	The Research Mavericks	Abhishek J, Aditi S Rao, Anjali K S	Ms. Sneha N P	Acharya Institute of Technology
20	Medical & Pharmaceutical Sciences	Team Cology	Surendra Sariwan, Rohini S, Vinutha M, Sushobhan Roy	Dr. Udayraj Sharma	Acharya & B M Reddy College of Pharmacy
21	Medical & Pharmaceutical Sciences	The Pharmakon Chronicles	Shakthi k, Sunny Jaiswal, Ziona Shalin Barday, Janani A	Dr. Vaishnavi Prasannan	Acharya & B M Reddy College of Pharmacy
22	Medical & Pharmaceutical Sciences	NAGARATHNAMMA	Deeksha Gupta, Bijeta Sah, Faizan Maqbool, Dipanwita Sarkar	Ms.Pavithra J	Smt. Nagarathnamma College of Nursing
23	Medical & Pharmaceutical Sciences	Team Cardio	Krishnakhi Das, Kahini Roy, Nandana R. Das, Ranjith	Dr. Suresh Janadri	Acharya & B M Reddy College of Pharmacy
24	Literature & Humanities	Shadman and Team	Shadman Akhtar, Swetha Krishna T E, Christy George,	Dr. Shashidhar S	Acharya Institute of Graduate Studies
25	Literature & Humanities	Shilba and Team	Shilba Sherin S, Janani C,	Mr. Sreejith Ramachandran	Acharya Institute of Graduate Studies

26	Literature & Humanities	Krishnaveni & Team	Krishnaveni Shaji, Nisma Begum, Amaya Manoj, Mohammed Ameer Hamza	Dr. Subhalaxmi Mohanty	Acharya Institute of Graduate Studies
27	Literature & Humanities	Mukthi and team	Mukthi T L, Rakshita D Kavaloor, D Sri Kavya	Dr. Gamaya K P	Acharya Institute of Graduate Studies
28	Literature & Humanities	Krishnaveni and Team	Krishnaveni Shaji, Susmita Biswas,	Dr. Gamaya K P	Acharya Institute of Graduate Studies
29	Literature & Humanities	Red Flags	Vedant Sandeep Dabhade, Thushar M, MD Arham, Nidhin Manoharan	Mr. Sreejith Ramachandran	Acharya Institute of Technology
30	Social Sciences	VENKATESH.V	Venkatesh.V	Dr. M. A Pavan Kumar	Acharya Institute of Graduate Studies
31	Social Sciences	TAV	VINOD CHOUHAN, BALI TEJASWINI RAO, Adithya S	Dr. K.M. Gulfisha	Acharya Institute of Graduate Studies
32	Social Sciences	THE TOMORROW TEAM	APARNA.A, NEENU NASNIN K.T, SRI SHAMICSHA M	Dr.K.M. Gulfisha	Acharya Institute of Graduate Studies

Day 1, 03.07.2023: REPORT ON PAPER HACKATHON

First of this kind program in India, Acharya's Journal Club organized a **4-day Paper Hackathon**, from **July 3th to 6th, 2023**. Dignitaries including the Deputy Director of Training and Placements, Principal and Vice Principal of various colleges of Acharya Institutes inaugurated the Paper Hackathon on 3rd July 2023 at the MBA Auditorium. Professors from various departments and over 120 students actively participated in the inauguration of the Hackathon. The chief guests of the program **Dr. Ashutosh Kumar Singh (Scientist C, Centre for Nano and Soft matter Sciences (CeNS), Bangalore)** and **Dr. Murali Mohan S (Director of Neuroscience, People Tree Hospitals, Bangalore)** delivered motivation talks on importance of documenting the ideas and scientific communications. The session was followed by the expert's guidance on writing a paper in the MBA auditorium followed by mentors' guidance in two respective seminar halls. The Basic Sciences, Engineering, Literature and Humanities teams were assigned space in the ANA block seminar hall. Medical, Social Sciences and Interdisciplinary teams were assigned working space in the EC seminar hall. By the end of the first day, the students were able to understand and write the Abstract, Introduction and References Sections of the Manuscript. At the end of the day, the participants have submitted the 1st day work in the prescribed format through Google forms.

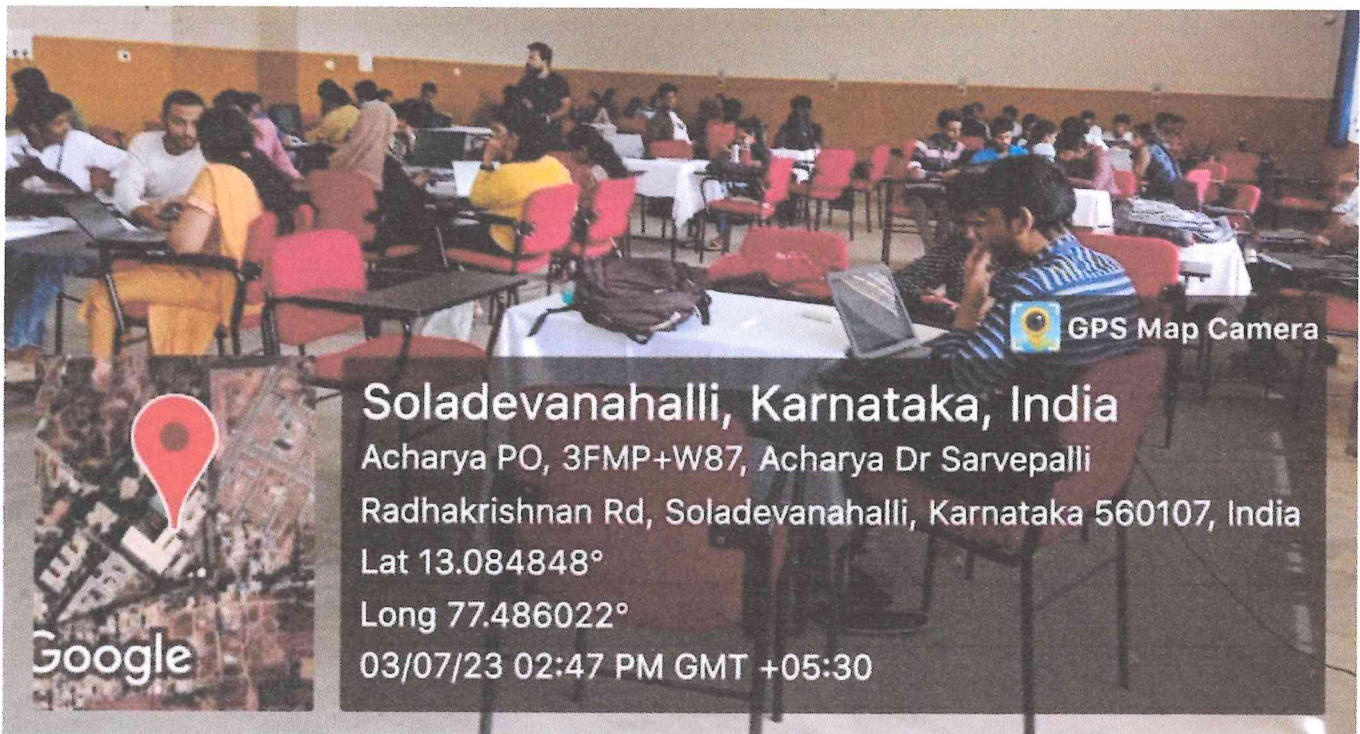


Photographs during Inaugral Session





Photographs during hes session



Photographs during hes session

Day 11, 04.07.2023: REPORT ON PAPER

On the 2nd day, the participants were given orientation by Theme Coordinators to build the Methods and Results section of the Manuscript. Each team mentors participated with their teams and given an instruction about how to write the methodology and graphical representation/tabulation of the data for the results. The entire day was focused on the methodology and results sections. At the end of the day, the participants have submitted the manuscript completed as on 2nd day in the prescribed format through Google forms. The 2nd day work included Title, Abstract, Keywords, Introduction, References, Methods and Results.



Photographs during hes session



Photographs during hes session



Photographs during hes session



Photographs during hes session

Day 3, 05.07.2023: REPORT ON PAPER HACKATHON

On the 3rd day, all the teams began their work in the respective venues and important information and instructions were given to participants by theme coordinators on writing the most important part of the manuscript – Discussion and Conclusion sections. All the teams made their finest efforts to write the discussion and conclusion for their work and uploaded the complete manuscript through the google form. The manuscript included Title, Author Details, Abstract, Keywords, Introduction, Methodology, Results and Discussion, Conclusion and Reference Sections.

Day 4, 06.07.2023: REPORT ON PAPER HACKATHON

On Day 4, the final day of Hackathon was filled with energy and excitement. The coordinators, participants and volunteers arrived at the venue to welcome the jury members. Eminent jury members from diverse fields were invited to evaluate the manuscripts in order to honor the best manuscript for each stream. Participants from each team presented their manuscripts in front of the jury members and the jury on a scale of 50 evaluated the manuscripts. The jury panel were as follows: **Prof. K P Y Simha, Emeritus Professor of Mechanical Engineering, Indian Institute of Science, Bangalore**, evaluated the Manuscripts of Engineering and Interdisciplinary stream. **Dr. Ramakrishnan N, Head – Dean Operations and System Specializations, School of Business and Management, Christ University, Bangalore**, evaluated the manuscript of social sciences and Literature and Humanities. **Dr. Nakul Ramanna, Prof. and Head, Civil engineering, Presidency University, Bangalore** was invited to evaluate the manuscripts of Engineering stream. **Dr. Sandhya**, Senior Scientific officer, Inorganic and Physical Chemistry, IISc, Bangalore was invited for the evaluation of Medical and Pharmaceutical sciences manuscripts. **Dr. Prabhu Tej**, Assistant Professor of MS Ramaiah University, Bangalore evaluated the manuscripts of Basic and Applied sciences. **Dr. C. Badrinath**, Scientist F, Ex-Group Director, Gas Turbine Research Establishment (DRDO Lab), Bangalore evaluated the manuscript from Engineering and Technology Stream

At 3 pm, during the valedictory program, the best manuscripts selected by jury panel were announced. The award winners were given certificates and cash prizes as a token of appreciation. The jury panel greatly appreciated the efforts of UG and PG students and highlighted that the work done by these team of students were as good as a PhD student work in concept and quality. The suggested that with little more improvements, the manuscripts will be ready for publications in quality Scopus indexed journals. The jury also appreciated the participants, mentors, theme coordinators and organizers for organizing this innovative program – Paper Hackathon for the first time in India.

The paper hackathon came out to be a very successful event providing a wonderful opportunity for young students to learn the art of scientific documentation and communications. It was a great platform for the students. This was a wonderful interdisciplinary event where students and mentors of different specializations came together and worked for continuous 4 days to bring out quality research paper manuscripts.



PANEL OF JURY MEMBERS





Certificate Distribution



JURY INTERACTION WITH TEAMS – EVALUATION





Valedictory Session



Valedictory Session

Paper Hackathon 2023 Winners – BEST MANUSCRIPT AWARDS

Basic and Applied Sciences Stream

Paper Title: *Influence of Metal Ions (Cu, Ni, Zn) Substituted Cobalt Ferrite Nanoparticles Synthesized by Sol-Gel Auto Combustion Method for Magnetic Application.*

Students: Nandini Sunil Dandawate, Priyanka G, Maheshwar.S, Deepika.S

Mentor: Dr. Raguram T, Acharya Institute of Graduate Studies

Engineering and Technology Stream

Paper Title: *Self-Supervised Learning Based Hyperspectral Unmixing.*

Students: Tushar M Khatokar, Ajay Kumar K, Gagandeep Y, Chandrashekhar

Mentor: Dr. Vijayashekhar S S, Acharya Institute of Technology

Interdisciplinary Stream

Paper Title: *Neutralization of Bauxite Residue using Bacterial Strain.*

Students: Deeksha C, Maria Sneha A, Vidhya G

Mentors: Dr. Suneetha T.B and Dr. P Sreekanth reddy, Acharya Institute of Technology.

Literature and Humanities Stream

Paper Title: *The Enigmatic Dance of Time.*

Students: Vedant Sandeep Dabhade, Thushar M, MD Arham, Nidhin Manoharan

Mentor: Mr. Sreejith Ramachandran, Acharya Institute of Technology

Paper Title: *Overcoming the Impasse of Gender Equality and Empowerment as Portrayed in "She".*

Students: Mukthi T L, Rakshita D Kavaloor, D Sri Kavya

Mentor: Dr. Gamaya K P, Acharya Institute of Graduate Studies

Medical and Pharmaceutical Sciences Stream

Social Sciences Stream

Paper Title: *Development and Evaluation of Fisetin-Dendrimer Conjugate for its In-Vitro and In-Vivo Cytotoxicity Studies.*

Students: Surendra Sariwan, Rohini S, Vinutha M, Sushobhan Roy

Mentor: Dr. Udayraj Sharma, Acharya & B M Reddy College of Pharmacy

Paper Title: *Social Media Usage as Predictor of Self Concept and Bullying Behavior Among College Going Young Adults.*

Students: Aparna.A, Neenu Nasnin K.T, Sri Shamicsha M

Mentor: Dr.K.M. Gulfisha, Acharya Institute of Graduate Studies

**(The Paper Hackathon was an outcome for the collective efforts of all Theme Coordinators, Mentors, Coordinators, Panel of Reviewers, Jury Members and Student Volunteers who supported the Hackathon teams in bringing out the best manuscripts in a very short duration of 3 days).*



A REPORT

ON

5-DAYS FACULTY DEVELOPMENT PROGRAMME

on

**“Writing, Defense & Implementation of
Grant Proposals”**

ORGANIZED BY



Acharya Institutes
Soladevanahalli, Bangalore – 560107.

A. S. Srinivas
PRINCIPAL

ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BANGALURU - 560 107



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INAUGURATION



ACHARYA

Acharya Dr S Radhakrishnan Rd, Soldevanahalli, Bangalore - 560107.

Faculty Development Programme on
"Writing, Defense & Implementation of Grant Proposals"

INAUGURATION
BY
CHIEF GUEST

Dr. Keshav Dattatraya Nayak

Former Director General of Microelectronic Devices and
Computational and Security Systems
DRDO HQ, Delhi

GUESTS OF HONOUR

Dr. K Balaveera Reddy

Former Vice Chancellor
Visvesvaraya Technological University, Karnataka

Dr. Rajiv K Tayal

Formerly Advisor - DST
Ministry of Science & Technology, Govt of India

Dr. D R Prasada Raju

Former Scientist G - DST
Ministry of Science & Technology, Govt of India

PRESIDED BY

Mr. Krishna Basani Reddy

Managing Director, Acharya Institutes

Venue: **MBA Auditorium**

Date: **08.08.2023** | Time: **09:00 to 09:30 AM**

Inauguration Program Schedule

Time	Event
08:30 - 08:50	Registration
09:00 - 09:02	Introductory Remarks
09:02 - 09:05	Lighting of the Lamp & Invocation
09:05 - 09:08	Welcome Address, Introduction and Honouring of the Chief Guest and Guests of Honour. -By Dr. Justin Jeya Amutha, Assistant Director of Research, Acharya
09:08 - 09:18	Inaugural Address by Chief Guest of the Program -Dr. Keshav Dattatraya Nayak, Former Director General, MED, COS, CS - DRDO HQ
09:18 - 09:23	Address by Guest of Honour -Dr. K Balaveera Reddy, Former Vice Chancellor, VTU
09:23 - 09:28	Presidential Address by -Mr. Krishna Basani Reddy, MD, Acharya Institutes
09:28 - 09:30	Vote of Thanks



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BROCHURE



ACHARYA

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Hesarghatta Main Road, Bengaluru- 560107

Faculty Development Programme on "Writing, Defense and Implementation of Grant Proposals"



Date: 08th-12th August, 2023 | Time: 09:00 AM - 05:00 PM

Target Audience: FACULTY MEMBERS

Venue: MBA Auditorium

ABOUT THE PROGRAM:

Objectives of the Program:

- To provide insights into various nuances of grant writing as well as management of R&D projects

Expected Outcome of the Program:

- The faculty members participating in this FDP will be able to conceptualize and write effective research grant proposals for funding from various funding agencies.

ADVISOR

Dr. K BALAVEERA REDDY

Advisor, Acharya Institutes - Bangalore &
Former Vice Chancellor of Visvesvaraya
Technological University (VTU)

EVENT CONVENORS

Dr. JUSTIN JEYA AMUTHA

Assistant Director of Research,
Acharya Institutes

Dr. MUTHUKUMAR CHOCKALINGAM

R&D Coordinator,
Acharya Institute of Technology

Dr. GURUBASAVARAJA SWAMY

R&D Coordinator,
Acharya & BM Reddy College of Pharmacy


PRINCIPAL

Resource Persons



Dr. Rajiv Kumar Tayal

an alumnus of IIT, Roorkee, started his career as a Design Engineer in a Chemical Process Industry more than four decades ago. He signed off as an Advisor after working in the Department of Science & Technology (DST), Government of India, for over three decades.

In addition to heading several Scientific Divisions in DST, he also presided over two of the most prestigious institutions in the Indian SET ecosystem in the immediate past, as Executive Director of the bi-national Indo-US Science & Technology Forum (IUSSTF) and Secretary of the Science & Engineering Research Board (SERB). He has authored several research articles and two books on Personal Finance and Science Administration.

Dr. D R Prasada Raju

doctorate in Mechanical Engg. after working for a decade in public sector, served DST for 26 years in promoting of R&D in various fields of S&T. Passionate in serving the society, he, under the aegis of Byrraju Foundation (NGO), implemented 'Safe Water for Everyone Using Effective Technology (SWEET) programme providing drinking water impacting a million people in a few villages in AP and Telangana.

Post DST, he is associated with a few institutions, including IITs- Madras, Hyderabad, and Tirupati and IIM-Vizag, interacting with faculty in formulation of R&D proposals and related aspects.



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1st Batch Workshop On Research Grants (Writing, Defense, and Implementation of a Grant Proposal)		
DAY - 1: 8 th August 2023 (Tuesday); Acharya, Bengaluru		
09:15 - 09:30	Introduction to the Course	
09:30 - 10:30	SESSION I - Research Insights	<ul style="list-style-type: none">• Scientific Research & Development• Classification of Research• Research & Academia• What is Good Research• What is Needed for Research
10:30 - 11:15	SESSION II - Funding of Research	<ul style="list-style-type: none">• Options for Funding• Extramural Research Grants• Type of Grants• Specific Funding Opportunities
COFFEE BREAK		
11:30 - 12:00	SESSION III - Evaluation of Research Grants	<ul style="list-style-type: none">• Process of Evaluation• Acceptance Criteria• What is Looked For• Decision on Funding
12:00 - 12:30	SESSION IV - Writing a Research Grant	<ul style="list-style-type: none">• Contents of Grant Proposal• Key Elements• How to Write the Proposal
12:30 - 13:15	SESSION V - Group Activity	<ul style="list-style-type: none">• Research Problem & Objectives
LUNCH BREAK		
14:00 - 14:45	SESSION VI - Group Activity	<ul style="list-style-type: none">• Presentation- Research Problem
14:45 - 15:15	SESSION VII - Defending a Research Grant	<ul style="list-style-type: none">• Rebuttal• Presentation• Discussion• Making Sense & Picking up Leads
COFFEE BREAK		
15:30 - 17:30	SESSION VIII - Group Activity	<ul style="list-style-type: none">• Writing Research Grant
DAY - 2: 9 th August 2023 (Wednesday); Acharya, Bengaluru		
09:15 - 11:00	SESSION IX - Group Activity	<ul style="list-style-type: none">• Presentation- Grant Proposal
COFFEE BREAK		
11:15 - 11:45	SESSION X - Implementation of Research Grant	<ul style="list-style-type: none">• Startup Activities• Progress Reports• Review Meetings• Financial Statements• Subsequent Releases• Final Report & Closure• Extension & Follow-up Grants
11:45 - 12:15	SESSION XI - FAQs	<ul style="list-style-type: none">• Q&A and Discussion
12:15 - 12:30	SESSION XII - Feedback and Conclusion	
LUNCH BREAK		

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2nd Batch Workshop On Research Grants (Writing, Defense, and Implementation of a Grant Proposal)		
DAY - 2: 9 th August 2023 (Wednesday); Acharya, Bengaluru		
14:15 - 14:30	Introduction to the Course	
14:30 - 15:30	SESSION I - Research Insights	<ul style="list-style-type: none">• Scientific Research & Development• Classification of Research• Research & Academia• What is Good Research• What is Needed for Research
COFFEE BREAK		
15:45 - 16:30	SESSION II - Funding of Research	<ul style="list-style-type: none">• Options for Funding• Extramural Research Grants• Type of Grants• Specific Funding Opportunities
16:30 - 17:00	SESSION III - Evaluation of Research Grants	<ul style="list-style-type: none">• Process of Evaluation• Acceptance Criteria• What is Looked For• Decision on Funding
17:00 - 17:30	SESSION IV - Writing a Research Grant	<ul style="list-style-type: none">• Contents of Grants Proposal• Key Elements• How to Write the Proposal
DAY - 3: 10 th August 2023 (Thursday); Acharya, Bengaluru		
09:15 - 10:00	SESSION V - Group Activity	<ul style="list-style-type: none">• Research Problem & Objectives
10:00 - 10:45	SESSION VI - Group Activity	<ul style="list-style-type: none">• Presentation-Research Problem
COFFEE BREAK		
11:00 - 11:30	SESSION VII - Defending a Research Grant	<ul style="list-style-type: none">• Rebuttal• Presentation• Discussion• Making Sense & Poling up Leads
11:50 - 13:15	SESSION VIII - Group Activity	<ul style="list-style-type: none">• Writing Research Grant
LUNCH BREAK		
14:00 - 15:30	SESSION IX - Group Activity	<ul style="list-style-type: none">• Presentation- Grant Proposal
COFFEE BREAK		
15:45 - 16:15	SESSION X - Implementation of Research Grant	<ul style="list-style-type: none">• Startup Activities• Progress Reports• Review Meetings• Financial Statements• Subsequent Releases• Final Report & Closure• Extension & Follow-up Grants
16:15 - 16:45	SESSION XI - FAQs	<ul style="list-style-type: none">• Q&A and Discussion
16:45 - 17:00	SESSION XII - Feedback and Conclusion	

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Grant Proposal Writing by the Participants for the Current Calls for Proposals from Various Funding Agencies

DAY - 4: 11th August 2023 (Friday); Acharya, Bengaluru

10:00 - 12:30	Call for Proposals, Relevant Formats & Problem Statements	<ul style="list-style-type: none">Search Call for ProposalsDownload Relevant Formats and Guidelines for the ProposalForm Teams and Finalize Problem Statements
14:00 - 16:30	Draft the Proposal - Technical Details	<ul style="list-style-type: none">RationaleLiterature Survey to Identify the GapsPreliminary Work Done by InvestigatorsWork Plan with Timelines

Grant Proposal Writing by the Participants for the Current Calls for Proposals from Various Funding Agencies

DAY - 5: 12th August 2023 (Saturday); Acharya, Bengaluru

10:00 - 12:30	Draft the Proposal - Financial and Other Details	<ul style="list-style-type: none">Budget TablesInformation about Facilities AvailableCV of Investigators
14:00 - 16:30	Review and Improvement of the Proposal	<ul style="list-style-type: none">Review by all Team Members & Internal MentorsNecessary Corrections and Completion of the Proposal for Submission

MENTORS

Dr. DEEPTI A R

Professor, Acharya Institute of Graduate Studies

Dr. PAKIRAPPA H

Professor, Acharya Institute of Technology

Dr. JOYSA RUBY

Assistant Professor, Acharya & BM Reddy College of Pharmacy

Dr. HARISH MNK

Associate Professor, Acharya Institute of Technology

Dr. MUTHUKUMAR M

Associate Professor, Acharya Institute of Technology

Dr. RADHIKA ADITYA JADHAV

Associate Professor, Acharya NR Institute of Physiotherapy

Dr. VIJAYASHEKHAR SS

Associate Professor, Acharya Institute of Technology

Dr. AJITH PADYANA

Associate Professor, Acharya Institute of Technology

Dr. B JAGAN MOHAN

Associate Professor, Acharya School of Design

Ms. NEHA NEGI

Acharya Institute of Allied Health Sciences

Ar. FATHIMA SAMANA S

Associate Professor, Acharya NRV School of Architecture

Mr. VASANTHA MALAGI

Associate Professor, Smt. Nagarathnamma College of Nursing

COORDINATORS

Dr. SURESH JANADRI

Assistant Professor, Acharya & BM Reddy College of Pharmacy

Dr. RAGURAM T

Assistant Professor, Acharya Institute of Graduate Studies

Mr. DEVASIS PRADHAN

Assistant Professor, AIT

Mr. LAKSHMIKANTH REDDY

Assistant Professor, AIT

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Day 1: REPORT ON FACULTY DEVELOPMENT PROGRAM

Acharya Institutes organized a **5-Days Faculty Development Program (FDP)** on “**Writing, Defence & Implementation of Grant Proposals**” from **8th -12th, August 2023**. The FDP was inaugurated at the MBA Auditorium with a keynote address by the chief guest **Dr. Keshav Dattatraya Nayak** (Former Director General of Microelectronics Devices and Computational and Security Systems, DRDO HQ, Delhi). He highlighted that there are plenty of funding opportunities for innovative ideas and translational research leading to products/solutions. He motivated and insisted the participants to work on patenting and commercialization of their ideas/products and to work for the Nation.

Guest of Honor Dr. K Balaveera Reddy (Former Vice Chancellor, Visvesvaraya Technological University, Karnataka) delivered an expert talk about the implementation of the novel ideas for real world applications. He advised faculty members to take active part in research grant writing and R&D projects. He also suggested microelectronics researchers to collaborate with IISc and Dr. K D Nayak for setting up a Center of Excellence at Acharya Institutes. The other guests of honors and resource persons present in the inauguration program were **Dr. Rajiv Kumar Tayal** (Formerly Advisor – DST, Ministry of Science and Technology, Govt. of India) and **Dr. D R Prasada Raju** (Former Scientist G – DST, Ministry of Science and Technology, Govt. of India). The resource persons were introduced to the participants by **Dr. Justin Jeya Amutha**, Assistant Director of Research, Acharya Institutes. The research achievements and Acharya Institutes were highlighted by **Dr. Muthukumar Chockalingam**, R&D coordinator of AIT and vote of thanks was presented by **Dr. Gurubasavaraja Swamy**, R&D coordinator of ABMRCP.

The first batch FDP sessions with 30 participants started immediately after the inauguration program in the MBA board room. As the session started, **Dr. Rajiv Kumar Tayal** articulated the research insights on grant writing and R&D projects - writing a research grant, evaluation of the research grants and also about defending a research grant. **Dr. Prasada Raju** delivered detailed information about the types of funding agencies, different schemes, fellowships and threshold funding amounts for respective agencies. Followed by this session, four groups were formed based on the research interests and a group workshop activity was assigned to them on “**writing a research problem statement & objectives**”, a key component looked at by the grant evaluators. The participants were given 45 minutes time to prepare the presentation for the same. The resource persons interacted with all the groups during the activity and gave them personalized suggestions to formulate problem statements and objectives. The participants then

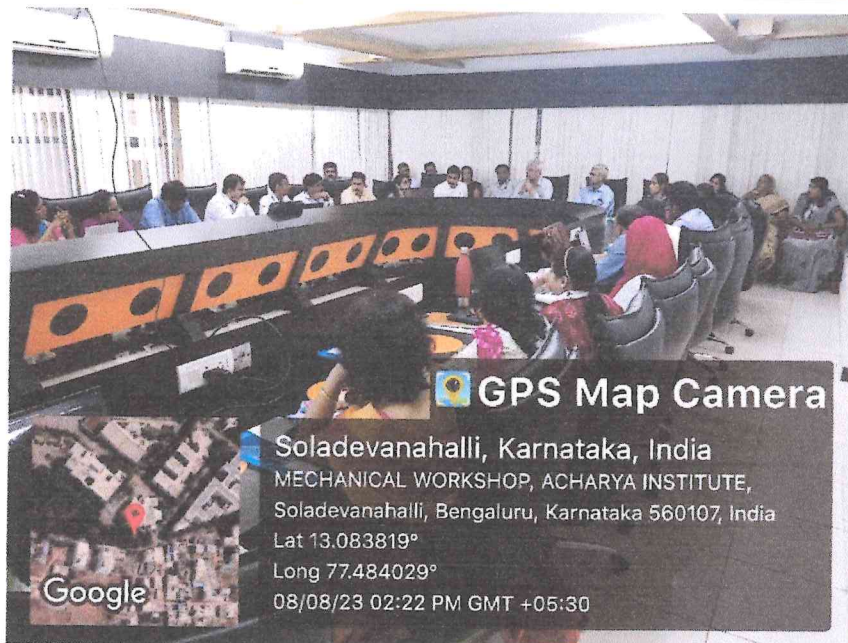
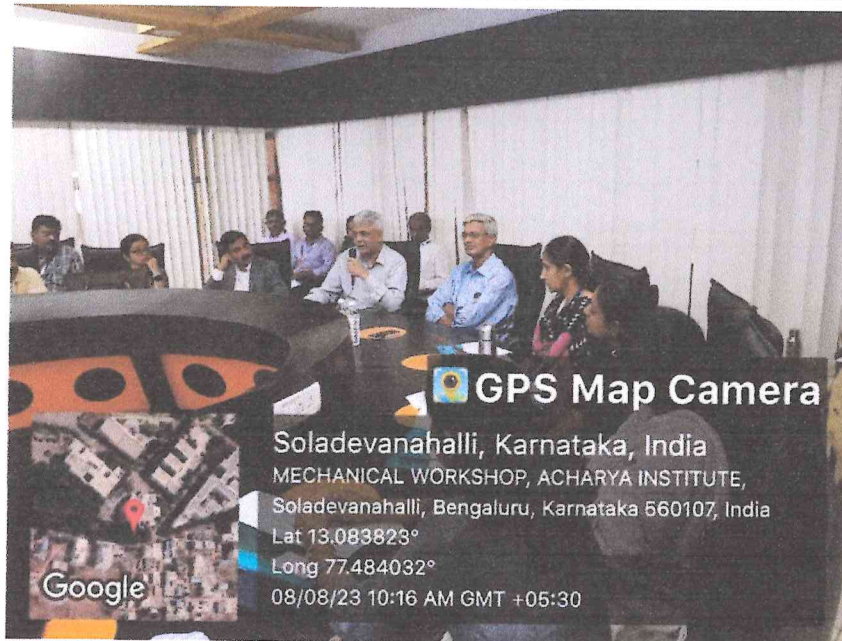
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presented their work to the resource persons. The resources persons have critically reviewed their work and shared their valuable feedback to the researchers on this most essential part of research grant application. Further, the resource persons have assigned next level grant proposal writing activity on writing an Executive Summary of the Proposal. The requirements of executive summary were explained to all the groups and they were given 60 minutes time to prepare the executive summary document and presentation.



Photographs during the Inaugural Session

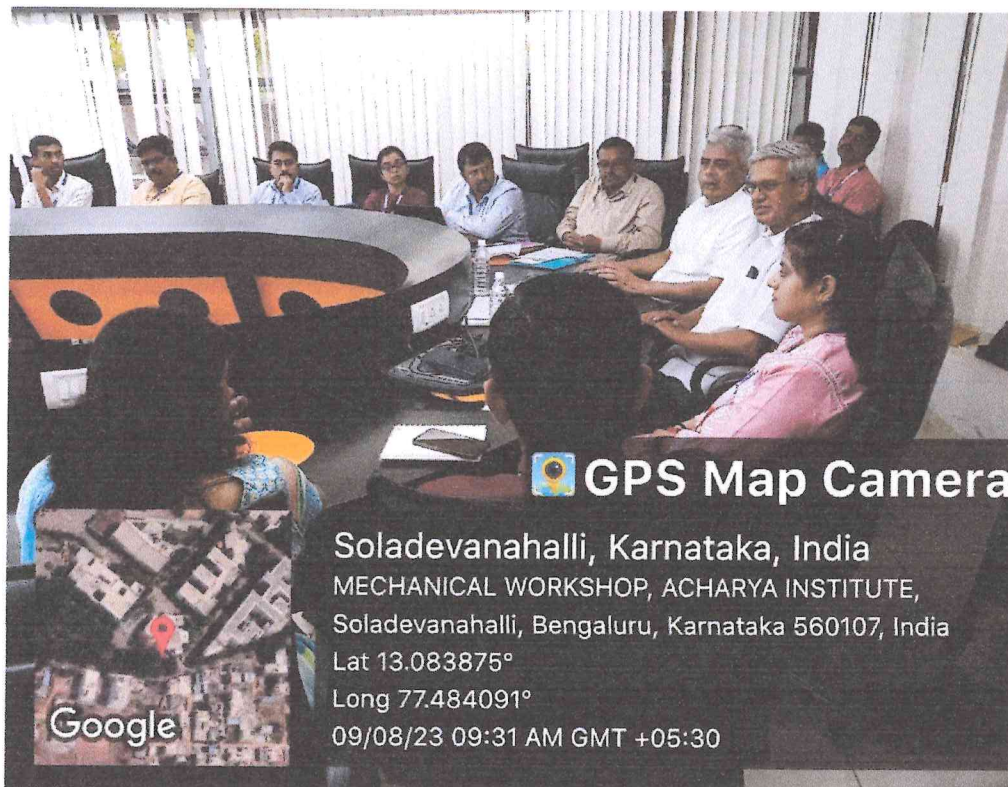


Photographs during the Discussion with Expert Committee

Day 2: REPORT ON FACULTY DEVELOPMENT PROGRAM

The morning session of 2nd day continued with the group activity on “Presentation of Executive Summary of the Proposal”. The resource persons and other faculty members shared their feedback on executive summary for enhancing the quality and outcomes of research proposals. Followed by group presentations, **Dr. Rajiv Kumar Tayal** delivered the specifics about the “Implementation of Research Grant” and discussed important questions and answers from the panel members of various funding agencies. He also discussed FAQs to clarify some of the expected questions related to grant applications. He also discussed about FAQs to clarify some of the expected questions related to grant applications.

The first batch of participants successfully completed the workshop session at 12.30 pm.



Photographs during the afternoon session from 2:00 PM started with the second batch of 30 participants in the same order as first batch.

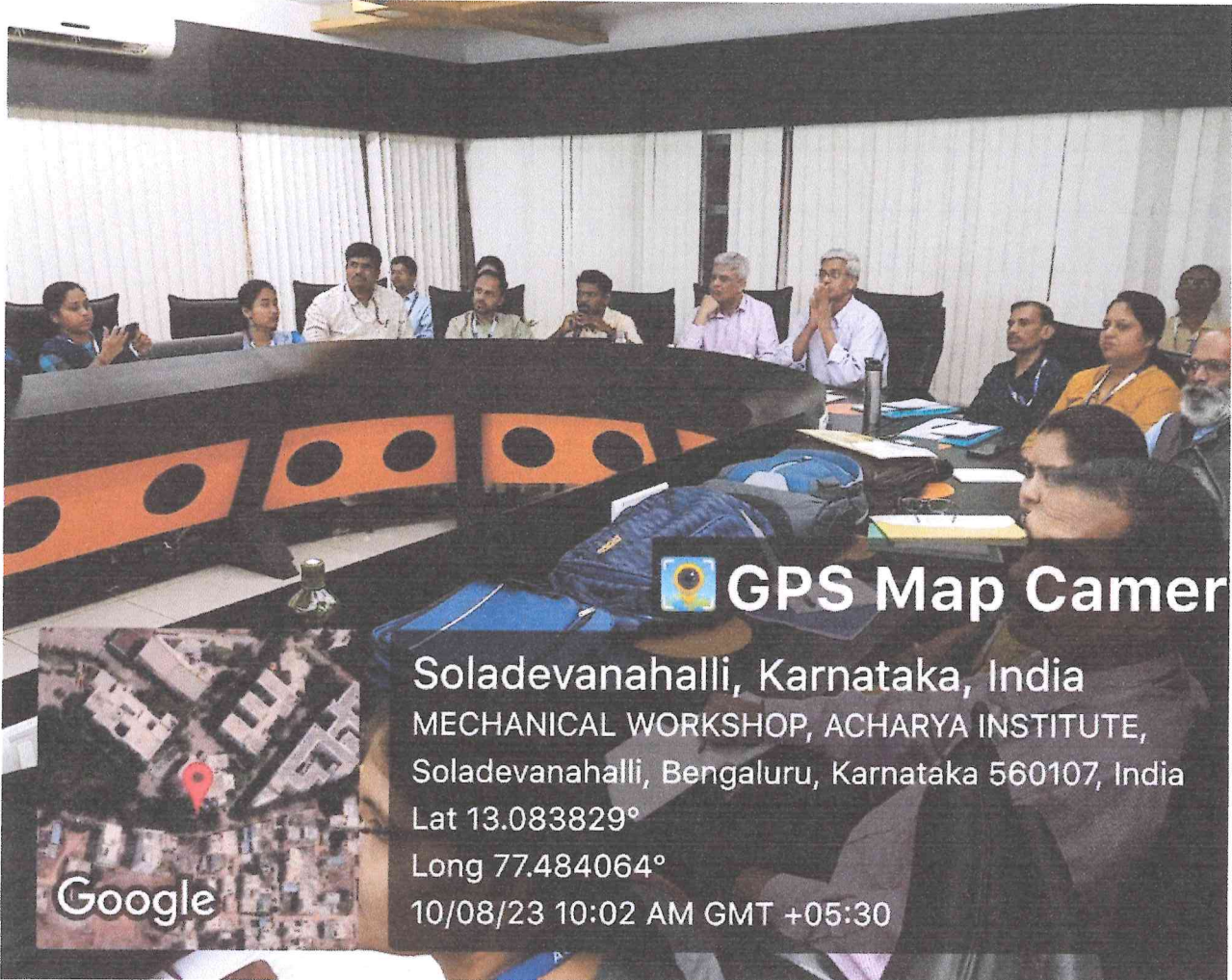


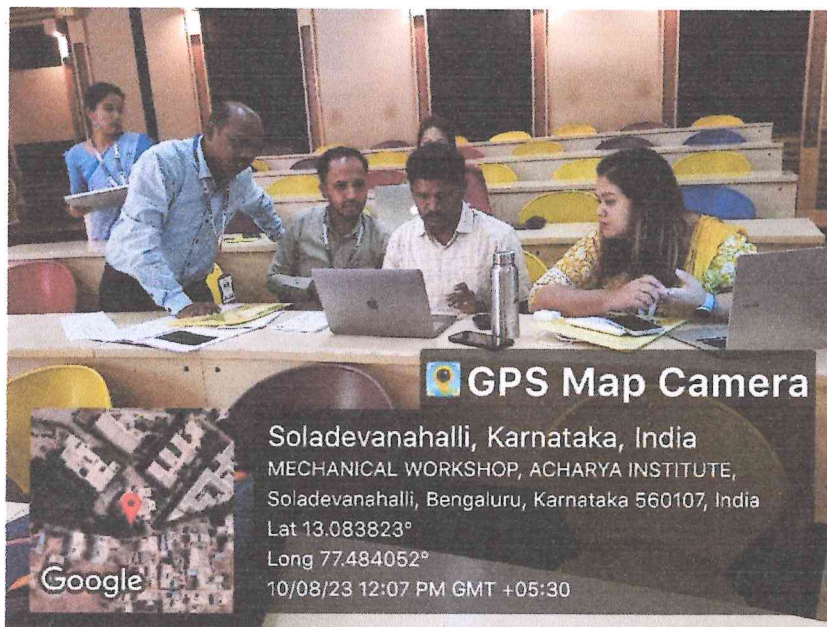
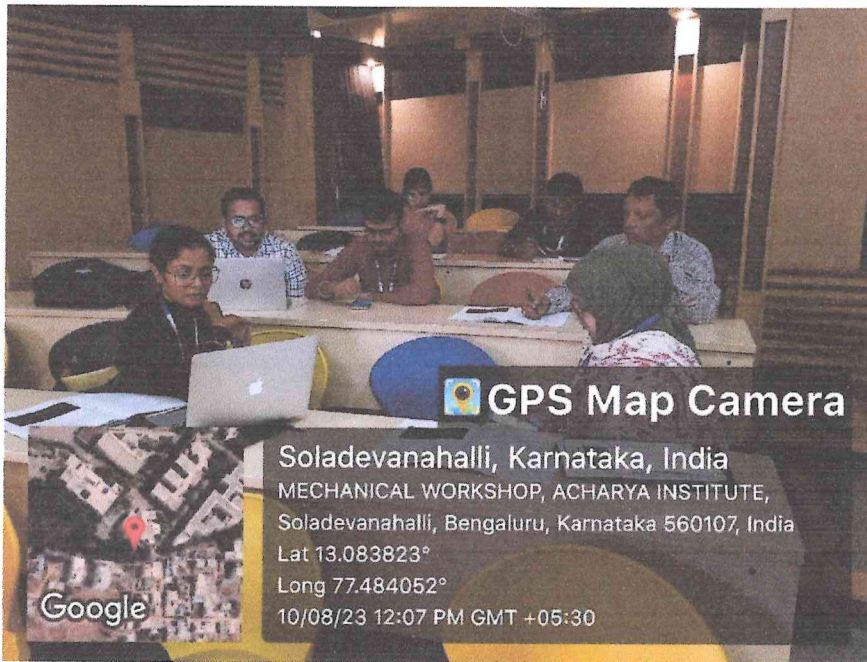
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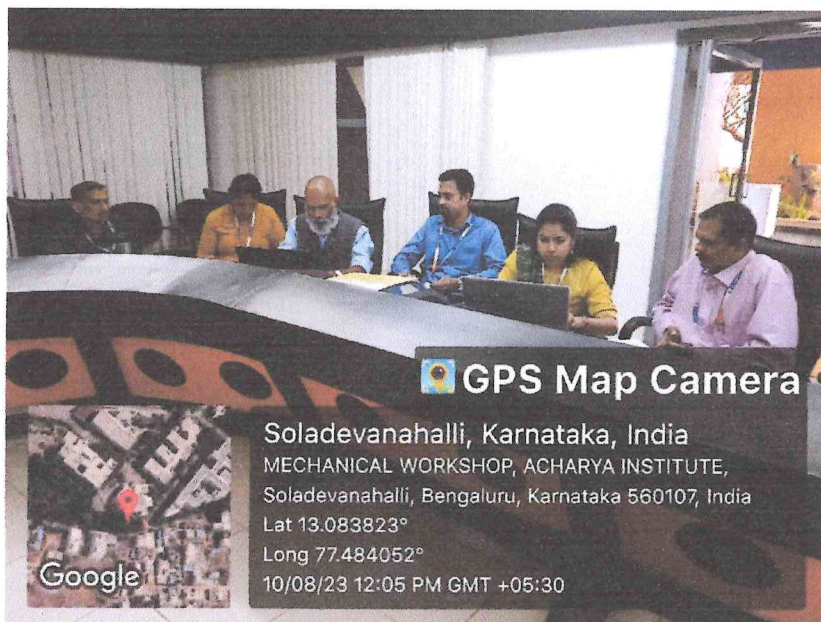
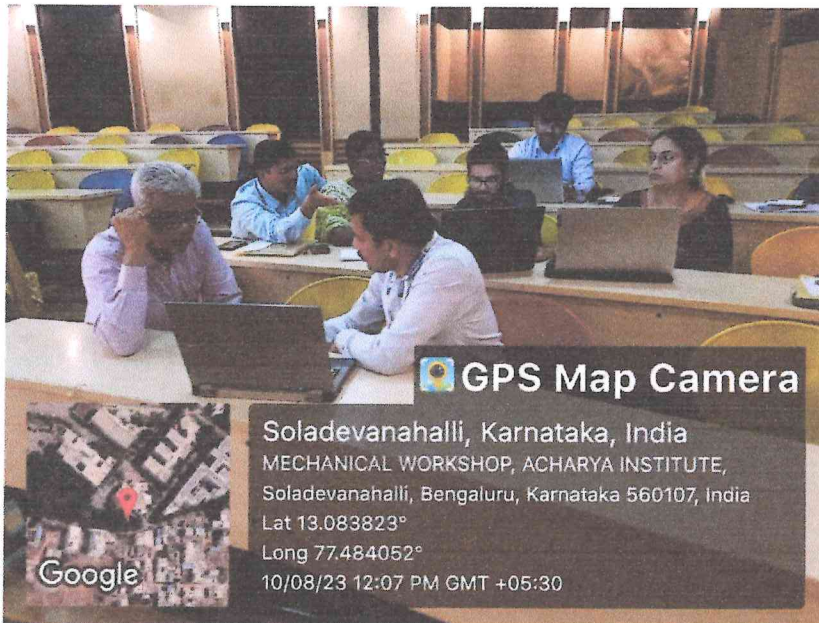
Day 3: REPORT ON FACULTY DEVELOPMENT PROGRAM

The third day of the workshop witnessed the writing of impactful proposals with sound research problems that are commercially viable towards the development in affordable energy, environment, and healthcare solutions. At the end of the 3rd day, a valedictory was conducted to honor the guests who have guided the faculty members on writing grant proposals.





Photographs during the Brain Storming Session



Photographs during the Brain Storming Session



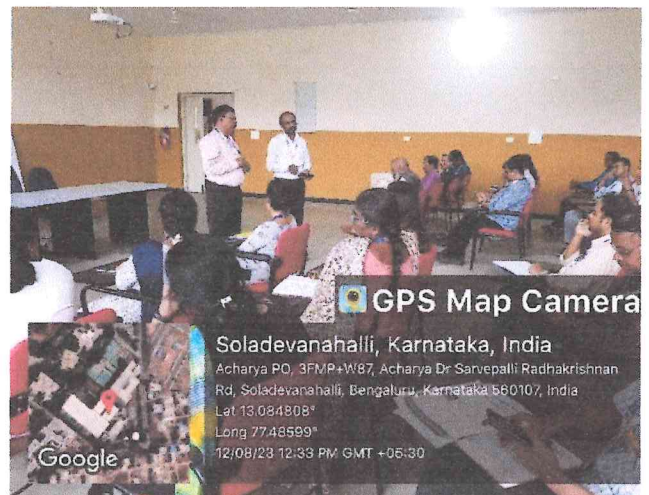
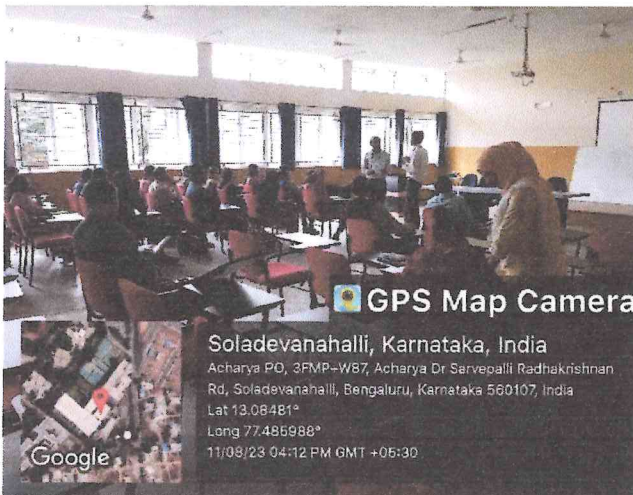
Photographs during the Valedictory Session



Photographs during presenting a token of Appreciation

Day 4 & 5: REPORT ON FACULTY DEVELOPMENT PROGRAM

On 4th day, the participants were asked to share their feedback on the workshop and suggestions for taking it forward. On 5th day, a detailed discussion on current calls for proposals from various funding agencies including ICMR, DST, BIRAC were discussed. A team of researchers form AIT, ABMRCP and Nursing expressed their interest in a writing a grant proposal on Anemia for submission to ICMR. Another group from AIT expressed their interest in submitting a proposal on AI for Healthcare to Indo-US call for proposals.



Photographs during Interaction

OUTCOMES

- The participants highly appreciated that the FDP was interactive and greatly helped them



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understand the proposal writing steps and also processes involved in successful submission of proposals to various funding agencies.

- The resource persons engaged participants in a meaningful, relevant scenarios that clarified many of the complexities involved in research grant writing. All FDP attendees have acquired a deeper understanding needed to draft the research proposal and implementation of the research grants.
- The FDP also offered attendees an opportunity to interact with grant evaluation experts and to share their ideas in the latest research areas of interest.



A REPORT

ON

TECHNOTSAVA 2023

“A Student Project & Research Symposium”

(6th May 2023)

ORGANIZED BY

ACHARYA INSTITUTE OF TECHNOLOGY

Acharya Dr Sarvepalli Radhakrishnan Rd,
Soladevanahalli, Bangalore - 560107

N. Srinivas
PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

BROCHURE



ACHARYA INSTITUTE OF TECHNOLOGY

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Basavanaguda Main Road, Bangalore - 560107



TECHNOTSAVA - 2023

A Student Project & Research Symposium

Date: May 6, 2023 | Time: 9:00 AM to 5:00 PM

Venue: MBA Auditorium



Dr. Prakruthi Hareesh
Assistant Professor, Mechanical Engg & Digital Mfg.
BITS Pilani - Bangalore



Dr. Sanjeev K Nayak
Manager
EDU lighting system Engineering
Alston, Bangalore



Dr. S.N. Chandra Mouli
Director - Lormon Kitchen Equipment Pvt Ltd - Bangalore



Mr. Sarbojit Sarkar
(OneAPI) Development Engineer
Intel - Bangalore



Dr. Kantharaju V
Assistant professor-ISE
BMS Institute of Technology and Management- Bangalore

Top 27 teams of Final Year B.E. students will showcase their projects and research to a panel of experts and participants

Student Presentations:



Oral Presentations



Poster Presentations



Demonstrations

Panel Members :

Dr. Amit Roy
Sr. Director and Head
Bureau of Indian Standards
Bangalore Branch Office



Time	Event	Venue
09:00-09:30	Registrations	MBA Auditorium
09:30-10:00	Inauguration	
10:00-10:10	Coffee Break	
10:15-12:45	First Round Project Presentations - (Oral Presentations, Poster Presentations & Prototypes)	Circuit Branches – MBA Auditorium Non-Circuit Branches – Mechanical Block Seminar Hall IT Branches – CSE Seminar Hall
12:45-13:30	Lunch Break	
13:30-15:30	Final Round - Selection of Best Projects - (Oral Presentations)	MBA Auditorium
15:30-16:00	Coffee Break & Networking	
16:00-16:30	Valedictory	MBA Auditorium

ORGANIZING COMMITTEE :

CHAIR: Dr. RAJATH HEGDE M.M
(Principal, AIT, Bengaluru)

CO-CHAIR: Mr. MARIGOWDA C K
(Vice Principal, AIT, Bengaluru)

Dr. MUTHUKUMAR CHOCKALINGAM
(R&D Coordinator, Acharya Institute of Technology)

MEMBERS: Dr. RAJANNA K R
(Department of Mathematics)

Dr. DEVARAJAIAH R M
(Mechatronics)

Dr. MANJUNATH B
(Mechanical)

Dr. AJITH PADYANA
(CSE)

Dr. RAJESHWARI
(ECE)

Dr. PRAKASH R
(EEE)

Dr. SUNEETHA T B
(Biotech)

Ms. CHAITRA B
(ISE)

Mr. DHANANJAY M
(Civil)

Mr. ATHITH
(Automobile)

PEER REVIEW COMMITTEE

CHAIR: Dr. HARISH MNK,
(Associate Professor,
Department of Chemistry)

CO-CHAIR: Dr. AKHELA UMAPATHI,
(Assistant Professor,
Department of Biotechnology)

Dr. PRAKASH S DABEER,
(Professor,
Department of Mechanical Engineering)

MEMBERS: Dr. MUTHUKUMAR M
(Department of Aeronautical Engineering)

Dr. UMAPATHI
(ISE)

Mr. DEVASIS PRADHAN
(ECE)

Dr. VIYAYASHEKHAR S S
(AI-M)

Dr. RAMI REDDY
(Mathematics)

Dr. SRIKANTH REDDY
(Civil)

COORDINATORS

Mr. LAKSHMIKANTH REDDY
(Circuit Stream)

Mr. M K DHANANJAYA
(IT Stream)

Mr. RAJU M G
(Non-Circuit Stream)

PROGRAM SCHEDULE – 06.05.2023

Time	Event	Venue
09:00-09:30	Registrations	MBA Auditorium
09:30-10:00	Inauguration	
10:00-10:10	Coffee Break	
10:15-12:45	First Round Project Presentations - (Oral Presentations, Poster Presentations & Prototypes)	Circuit Branches – MBA Auditorium Non-Circuit Branches – Mechanical Block Seminar Hall IT Branches – CSE Seminar Hall
12:45-13:30	Lunch Break	
13:30-15:30	Final Round - Selection of Best Projects - (Oral Presentations)	MBA Auditorium
15:30-16:00	Coffee Break & Networking	
16:00-16:30	Valedictory	MBA Auditorium

List of Teams Shortlisted for Participation in the TECHNOTSAVA 2023

S. No	Department	Project Title	Team Members (Students)	Mentor
1	Aeronautical Engineering	Design, Fabrication and Structural Analysis of Med-Capsule For Delivering Lifesaving Goods	Rakshit M G, Tahir Ahmad, Nirbhay Bhoi, Princia J L,	Prof. Dinesha Kumara HM
2	Aeronautical Engineering	Development Of Autonomous Quadcopter Model	H M Mihir Patel, Anumol Bharadwaj K, Sharath Kumar R, Akram Basha,	Prof. Parthasarathy
3	Automobile Engineering	Real Time Fuel Flow Measuring Device	Dhruv Jindal, Nikhil R, Nagendra Anant Bhat, Vivek R.	Prof. Athith D.
4	Automobile Engineering	Anti-Theft Brake Locking Mechanism for Two-Wheelers	Seemon Jashwa, Bharath Kumar S, Edwin D, Vijay R.	Prof. Athith D.
5	Biotechnology	Development Of Hemostatic PVA-Starch Foam and Hydrogel for Topical Wound Treatment	Navaneeth S Kumar, Kiran R	Dr. Suneetha T B
6	Biotechnology	Viable Biocomposite & Incapacitated Fertilizer Beads for The Regulated Nutrimnt to The Plants	Varsha R, M Harshita, Yash Wadkar, Ashith Sujay Kumar	Dr. Suneetha T B
7	Civil Engineering	Effect Of Drainage Characteristics in Granular Sub-Base Course on Flexible Pavement Performance	Rohan Kumar Singh, Ronit Raj, Sachin, Sanganagouda N Hodla	Prof. Dhananjay M
8	Civil Engineering	Experimental Study on Replacement of Egg Shell with Cement	K Rohini, Rachana G S, Abhishek Hampanna, Akshata	Prof. Ambreshwar
9	Civil Engineering	Smart Drip Irrigation System Using IoT	Thejashree G L, Roopa, Sachin D, Raghavendra P Bhandarai	Prof. Brunda G S, Prof. Mohan N
10	Mechanical Engineering	Biodegradable, Hygienic and Compostable Tableware from Hybrid Bagasse as Plastic Alternative	Lokesh D, Athish GR, Vedant, Darshan KN	Dr. Shadakshari R
11	Mechanical Engineering	Design and Development of Robot Dog for Load Carrying Applications	Shashikumar B, Suman Raj Vairad, Anvith Hiremath, Sudeep K	Prof. Akshya Simha
12	Mechanical Engineering	Mechanical Characterization of Natural Fiber Reinforced Polymer Composite	Ankith S, Ajay Kumar Reddy E, Varun Krishna TS, Manoj BC,	Prof. Vinod Kumar C S
13	Mining Engineering	Development of Machine Allocation System and Routing Solution	Ashutosh Adhikari, Kencho Gyelshen, Tshering Dorji	Prof. S N Varuna
14	Mining Engineering	Innovative Mining Drill and Blast Strategies	Udaya V B, Shivabasayya H, Karibasappa G, Balaji R P	Prof. Kandi Sandeep Reddy
15	Electronics and Communication Engineering	Physical Design of 64-bit Multiplier and Accumulator (MAC) Unit	Syed Moshin, Rajul J Gowda,	Dr. Asha C N
16	Electronics and Communication Engineering	Holovision: An Augmented Reality Based Diagnosis Tool for Patient Centric Healthcare	Sai Ayush, Sai Sreeram Gadde	Dr. Rajeswari
17	Electronics and Communication Engineering	Navigation Tool for Visually Impaired – Hurdle Recognition Using Image Processing and IoT	Ravikumar L, Sharath Kumar D A, Sreeja L, Sushmita S Dhisley, Prof. Mohan N	Prof. Mohan N
18	Electrical and Electronics Engineering	Design and Development of Different Topologies for Fast EV Charger	Arunkumar, Sanjana, Shashank G Madival, Srinivas G	Prof. Lakshmikanth Reddy

19	Electrical and Electronics Engineering	EMS Solar Charing Stations for Electric Vehicles	J Abhishek, Manjunath TR, Manoj C P, Sharath BJ,	Prof. Rekha C M
20	Mechatronics Engineering	Design and Development of a Recycling Machine to Convert Used Plastic Bottles into Filament for 3D Printing	Sandhya Mane, Bhuvan R, Reshma B, Vinayak S Betageri	Dr. Devarajaiah R M
21	Mechatronics Engineering	Digital BOT for Therapeutic Treatment of Autism Spectrum Disorder (ASD) in Children	Chethan U M, Prashant, Bhuvanesh Nagaral, Bhuvan R	Prof. Naveen Kumar S N
22	Computer Science and Engineering	Human Emotion Detection Using Deep Learning	Rakshitha R, Preethi B M, Shreedevi R, Sirisha S M	Prof. Sneha N P
23	Computer Science and Engineering	IRIDESCENCE.AI – Text to 3D Mash Model	Amoolya M Kulkarni, Ananya Kedlaya, Pratheek Prakahs Shetty, Ravi Sachan	Dr. Ajith Padyana & Prof. Jawahar Jonathan
24	Computer Science and Engineering	Phishing Website Detection Using Deep Learning Algorithm	DM Nihal, Harshith M, Madhusudhan P, Mallikarjun R Wali	Prof. Reshma
25	Information Science and Engineering	Smart College Placement Portal Using Web Scrapping and Sentiment Analysis	Ankush Kumar, Ashutosh Kumar, Monish Basaniwal, Nandhitha C P	Prof. Yogesh N
26	Information Science and Engineering	Extracting Summary from Elaborative Text by Adopting Extractive Approach	Reetik Raj, Aditya Ranjan, Maithili Shetty K, Himanshu Malik	Prof. Jagadish N
27	Information Science and Engineering	The Impact of the Blockchain on the Supply Chain: Health Care System Like Pharmaceutical Products	Tusha Setia, Parinay Prasad, Sarthak Jain, Ravi Shankar Roy,	Prof. Supriya C

REPORT ON TECHNOTSAVA 2023

Acharya Institute of Technology organized TECHNOTSAVA 2023 – “A student project & research symposium” to identify and support the best B.E final year projects. Departments have conducted internal evaluations of about 250 final year student projects and identified 27 best projects for participation in the TECHNOTSAVA 2023. The 27 teams comprised of 2 from Aeronautical Engineering, 2 from Biotechnology, 2 from Automobile Engineering, 2 from Civil Engineering, 3 from Computer Science and Engineering, 3 from Information Science and Engineering, 2 from Electronics and Communication Engineering, 2 from Electrical and Electronics Engineering, 2 from Mechanical Engineering, 2 from Mechatronics Engineering, 2 from Mining Engineering. The shortlisted teams were invited to submit abstracts and PowerPoint presentations 3 days prior to the TECHNOTSAVA program scheduled on 6th May 2023.

On 6th May, the TECHNOTSAVA 2023 was inaugurated by jury members and dignitaries including Principal, Vice Principal and organizers of the program. The jury members were as follows:

1. Dr. Sajeev K Nayak, Manager- EDU Lighting Systems, Bangalore
2. Mr. Jayachandra Babu P, Joint Director/Scientist- D, Bureau of Indian Standards, Bangalore Branch Office
3. Dr. S.N Chandra Mouli, Director, Lorman Kitchen Equipment Pvt Ltd, Bangalore
4. Mr. Sarbojit Sarkar, OneAPI Development, Intel, Bangalore
5. Dr. Prakruthi Hareesh, Assistant Professor, Mechanical Engg and Digital Manufacturing, BITS Pilani, Bangalore
6. Dr. Kantharaju V, Assistant Professor, BMS Institute of Technology, Bangalore

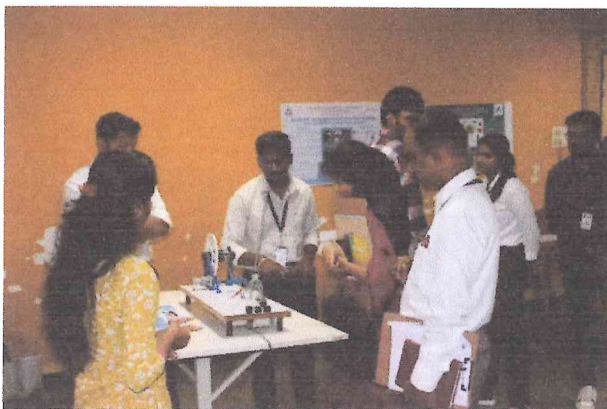
In the first half from 10.30 am to 01:00 pm, the first round of selection of best projects was conducted and the juries were stream specific external experts. The criteria of evaluation were as follows: oral presentation (40%), Poster Presentation (40%) and Demonstration of prototype (20%). In the oral presentation, the motivation, problem statement, methodology, presentation clarity, results and discussion and QA were evaluated in a scale of 40. In the Poster, motivation, quality of poster, flow of the poster presentation, communication, QA were evaluated in a scale of 40. In the Demo part, novelty of the prototype, skills applied, technical challenges, patentability, scalability and QA were evaluated in a scale of 20. The Non-Circuit Stream teams presented and demonstrated their work to the panel of experts in the Mechanical block seminar hall. The circuit stream teams have presented their projects to the panel of experts in the MBA auditorium. The IT stream teams have presented their work to the panel of jury members in the CSE seminar hall. Best project from each department was selected and announced to enable them to participate in the second round scheduled in the afternoon session.

In the second and final round in the afternoon session, the complete panel of jury members (6) evaluated the projects in a scale of 50. The teams were given 5 minutes time for oral presentation and 5 minutes for Questions and Answers. Criteria of selection were as follows: Motivation/context/relevance of the problem selected by the team, Problem Statement and Methodology, Presentation Clarity – Slides & Communication, Results & Discussion, Conclusions and Questions and Answers.



After the final round evaluation, at 4:00 pm, valedictory program was conducted wherein, best project of the department for all 11 departments were awarded with certificates and a token of appreciation.

The best 3 final year projects of the year 2023, one from each stream that were selected during the TECHNOTSAVA 2023 was kept confidential till the Graduation Day. On Graduation Day, the best 3 projects were distributed certificates with a token of appreciation in front of a motivating 1000+ students and dignitaries.



Photographs of project demonstration during Technotsava 2023



Award distribution and valedictory during Technotsava 2023

TECHNOTSAVA 2023 BEST PROJECTS – DEPARTMENT LEVEL

Department	Project Details
Aeronautical Engineering	Project Title: <i>Design, Fabrication and Structural Analysis of Med-Capsule for Delivering Lifesaving Goods</i> Team Members: Rakshith M G, Tahir Ahmad, Nirhay Bhoi, Princia J L Mentors: Prof. Dinesha Kumar H M
Automobile Engineering	Project Title: <i>Real Time Fuel Flow Measuring Device</i> Team Members: Dhruv Jindal, Nikhil R, Nagendra Anant Bhat, Vivek R. Mentors: Prof. Athith D
Biotechnology	Project Title: <i>Development of Hemostatic PVA-Starch Foam and Hydrogel for Topical Wound Treatment</i> Team Members: Navaneeth S Kumar, Kiran R Mentors: Dr. Suneetha T B
Civil Engineering	Project Title: <i>Smart Drip Irrigation System Using IoT</i> Team Members: Thejashree G L, Roopa, Sachin D, Raghavendra P Bhandarai Mentors: Prof. Brunda G S, Prof. Mohan N
Computer Science and Engineering	Project Title: <i>IRIDESCENCE.AI – Text to 3D Mash Model</i> Team Members: Amoolya M Kulkarni, Ananya Kedlaya, Pratheek Prakahs Shetty, Ravi Sachan Mentors: Dr. Ajith Padyana & Prof. Jawahar Jonathan
Electronics and Communication Engineering	Project Title: <i>Holovision: An Augmented Reality Based Diagnosis Tool for Patient Centric Healthcare</i> Team Members: Sai Ayush, Sai Sreeram Gadde Mentors: Dr. Rajeswari
Electrical and Electronics Engineering	Project Title: <i>EMS Solar Charing Stations for Electric Vehicles</i> Team Members: J Abhishek, Manjunath TR, Manoj CP, Sharath BJ, Mentors: Prof. Rekha CM
Mechanical Engineering	Project Title: <i>Biodegradable, Hygenic and Compostable Tableware from Hybrid Bagasse as Plastic Alternative</i> Team Members: Lokesh D, Athish G R, Vedant, Darshan KN Mentors: Dr. Shadakshari R
Mechatronics Engineering	Project Title: <i>Design and Development of a Recycling Machine to Convert Used Plastic Bottles into Filament for 3D Printing</i> Team Members: Sandhya Mane, Bhuvan R, Reshma B, Vinayak S Betageri Mentors: Dr. Devarajaiah
Information Science and Engineering	Project Title: <i>Smart College Placement Portal Using Web Scraping and Sentiment Analysis</i> Team Members: Ankush Kumar, Ashutosh Kumar, Monish Basaniwal, Nanditha C P Mentors: Prof. Yogesh N
Mining Engineering	Project Title: <i>Development of Machine Allocation System and Routing Solution</i> Team Members: Ashutosh Adhikari, Kencho Gyelshen, Tshering Dorji Mentors: Prof. SN Varuna



Group photo during Technotsava-2023

TECHNOTSAVA 2023 BEST PROJECTS – STREAM LEVEL

Stream	Project Details
Non-Circuit Stream	Project Title: <i>Design, Fabrication and Structural Analysis of Med-Capsule for Delivering Lifesaving Goods</i> Team Members: Rakshith MG, Tahir Ahmad, Nirhay Bhoi, Princia J L Mentors: Prof. Dinesha Kumar H M
	Project Title: <i>Biodegradable, Hygenic and Compostable Tableware from Hybrid Bagasse as Plastic Alternative</i> Team Members: Lokesh D, Athish GR, Vedant, Darshan K N Mentors: Dr. Shadakshari R
Circuit Stream	Project Title: <i>Design and Development of a Recycling Machine to Convert Used Plastic Bottles into Filament for 3D Printing</i> Team Members: Sandhya Mane, Bhuvan R, Reshma B, Vinayak S Betageri Mentors: Dr. Devarajaiah
IT Stream	Project Title: <i>Smart College Placement Portal Using Web Scraping and Sentiment Analysis</i> Team Members: Ankush Kumar, Ashutosh Kumar, Monish Basaniwal, Nanditha C P Mentors: Prof. Yogesh N



A Report on
Internal Smart India Hackathon 2023
September 20-22, 2023

Organized by



**ACHARYA INSTITUTE OF
TECHNOLOGY**

**Acharya Dr Sarvepalli Radhakrishnan Road, Soladevanahalli,
Bengaluru, Karnataka 560107**

S. Srinivas
PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

ABOUT THE EVENT:

The Internal Smart India Hackathon 2023 took place at Acharya Institute of Technology from September 20th to September 22nd, 2023. This event was organized with the primary aim of identifying the top-performing teams to represent the institution in the national-level competition. It welcomed students from all academic years and disciplines to participate.

The overarching goal of this hackathon was to foster collaboration among students from diverse backgrounds in order to address real-world challenges encountered by various government departments and organizations in India. The participants received guidance and support from mentors who represented academia, alumni, and the industry.

To facilitate participation, an event brochure containing problem statements and the registration link was distributed to all students. The registration link for the event can be accessed at <https://tinyurl.com/mtfv5xpa>.

ACHARYA INSTITUTE OF TECHNOLOGY
ACHARYA
Acharya Dr. S. Radhakrishnan Road Acharya P.O. Soldevanahalli, Bengaluru - 560107

INTERNAL HACKATHON
(For Smart India Hackathon 2023)

Target Audience: All students of Acharya Institute of Technology
Date: 20th to 22nd September, 2023 | Time: 9:00 AM - 4:30 PM
Mode of Program: Offline
Venue: Seminar Halls - ANA Block, Mechanical Block and ECE Block

REGISTRATION LINK: <https://tinyurl.com/mtfv5xpa>
PROBLEM STATEMENT LINK: <https://ah.gov.in/ah2023PS>

Last date for registration: 16th September 2023

Note:
1. No Registration Fee
2. Certificate will be provided for all participants


FOR ANY QUERIES:
Mr. Sandeep Kumar K
Contact: 9986972006
Mr. Pratheek
Contact: 7338035124
Mr. Sumit Singha Chowdhury
Contact: 8583866180

Handwritten signature

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SOLDEVANAHALLI, BENGALURU - 560 107

THE PROBLEM STATEMENTS SELECTED FOR THE INTERNAL HACKATHON:

Problem Statement Title	PS Code
Create an intelligent system using AI/ML to detect phishing domains which imitate look and feel of genuine domains	SIH1454
Automated Public Lighting	SIH1300
Online Blockchain based certificate generation and validation system for government organization.	SIH1365
Identification of Different Medicinal Plants/Raw materials through Image Processing Using Machine Learning Algorithms	SIH1343
Traditional agriculture practices lack real-time monitoring and efficient operation on fields This leads to inefficiencies and low production levels.	SIH1352
Smart and Effective realtime Management of street parking	SIH1515
Development of Technology for manufacturing of mind control BIONIC hand with a sense of touch	SIH1399
Computerized cognitive Retraining Program for Home training of Children with Disabilities.	SIH1307
Mental health and well-being surveillance, assessment and tracking solution among children.	SIH1433
An application under which all rescue agencies are registered and which can display the location of other rescue relief agencies during natural/ man made calamities	SIH1440
AI Assisted Tele-medicine KIOSK for Rural India	SIH1325
Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and micro irrigation network of irrigation system.	SIH1293
Drone based Intelligent Magnetic sensing system and Metallic anomaly detection system	SIH1414
IoT based sensors can be used to determine the Machine Runtime	SIH1395
Application of Image Analytics for Tree enumeration for diversion of Forest Land.	SIH1316
AI-based tool for preliminary diagnosis of Dermatological manifestations	SIH1344
Development of gamified platform on Children's Rights to increase legal literacy and awareness among children in India	SIH1281
Student Innovation Hardware	SIH1469, SIH1472 SIH1478, SIH1482
Student Innovation Software	SIH1483, SIH1487, SIH1492


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“EVENT PHOTOS”



Interaction with participants during the event.

Interaction with participants during the event.

H. K. Prasad

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JUDGING PROCESS:

The process utilized for assessing the hackathon projects involved the participation of a panel of three judges with extensive industry experience. Here are the details of the esteemed jury members:

1. Dr. Kruthika K R

- Title: AI Researcher
- Affiliation: **SandLogic Technologies Pvt Ltd**
- Email: kruthika.kr@sandlogic.com



2. Mr. ABHILASH VS

- Title: Engineering Team Manager
- Affiliation: **APTIV Components India (P) LTD**
- Email: abhilash.sadashiva@aptiv.com



3. Ms. LAXMI NAGESWARI

- Title: Global Head, AI Education and Solutions
- Affiliation: **Boston Limited UK**
- Email: laxmi.nageswari@bostonindia.in

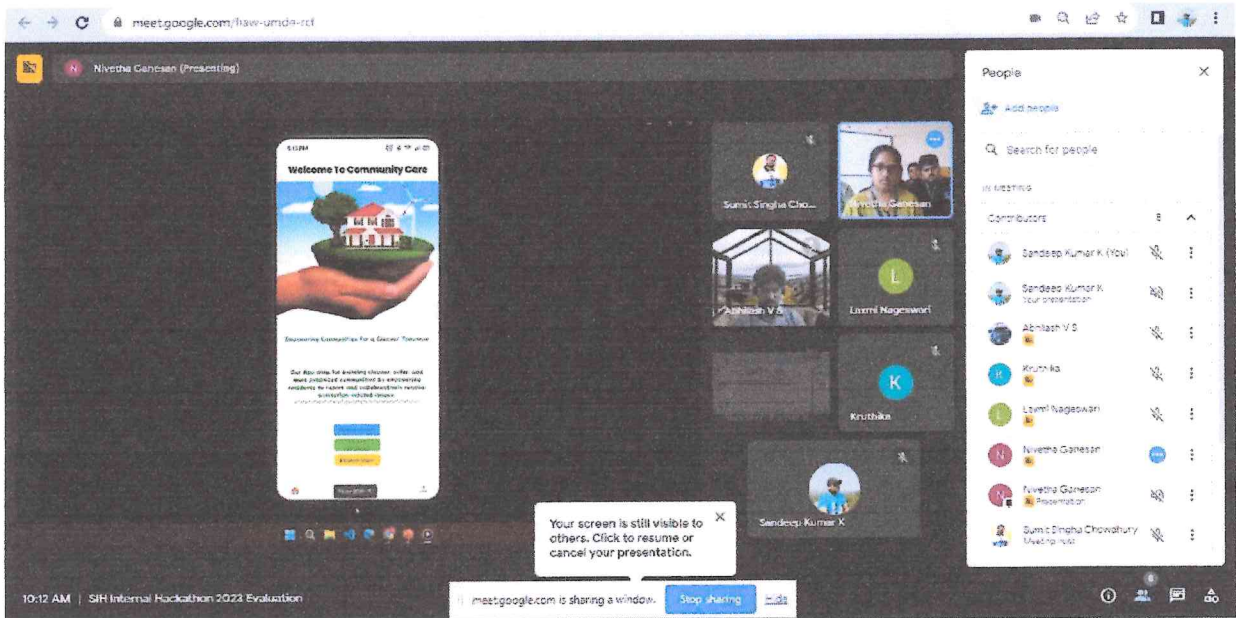
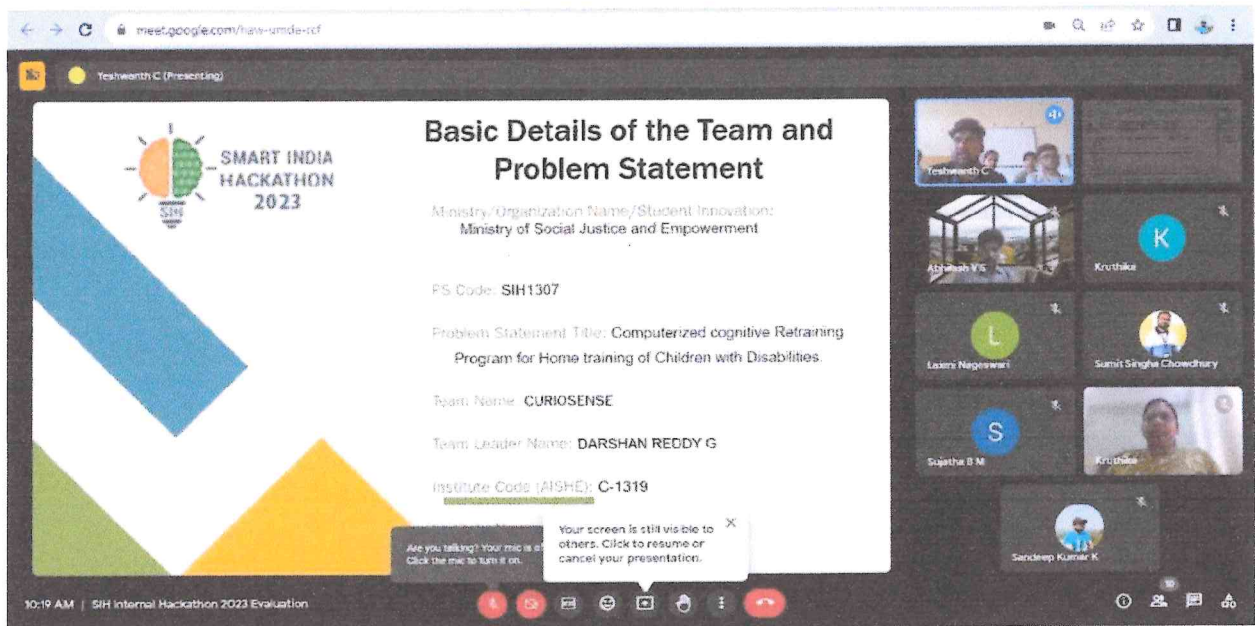


To evaluate the hackathon projects, assessment sheets were meticulously crafted, focusing on the following key criteria: Novelty, Complexity, Feasibility, Practicality, and Potential for Future Work. Each project was rigorously evaluated by all three judges.



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"Online evaluation via Google Meet on 22/9/2023: Captured moments in photos."



External Jurys Assessment through online during the event

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NOMINATED TOP TEAMS: Highlighted the top-performing teams.

Sl. No	Team Name	Team Members	PS Code	PS Title
1	RESCUE ROBOT IN BOREWELLS	Shashank TG,PavanKumar P kadam,ManojP,Yadhu Krishna s Nair,LokeshkiranR,Lekhana Satheesha	SIH1469	Student Innovations: To Design and develop end effector for the rescue robot in borewells
2	PLASTECOPY ROS	Vishal T,Ashwin P Prabhu,PrathamP,SayyamM Thakale,Lucky N Chajjer,Caroline Dominica Gomes.	SIH1472	Innovative ideas that help manage and generate renewable /sustainable sources more efficiently.
3	GORDIAN KNOT	Hemanth Kumar Dm,Pavithra M,Harshitha V,Shivaraj Hiremath,Praful Kulkarni,Malika Naushad.	SIH1454	Create an intelligent system using AI/ML to detect phishing domains which imitate look and feel of genuine domains.
4	PULSE DETECTIVES	Gowtham H S,VivekK,Nithya K V,Nishanth M R,AjaykumarK,Saish h Salián	SIH1492	Cutting-edge technology in these sectors continues to be in demand. Recent shifts in healthcare trends, growing populations also present an array of opportunities for innovation.
5	EXORIANS	Sharadhi S K,Karunya Prakash,Chandana R,Bhavana B G,Gowri C H,Impana R Saini.	SIH1300	Automated Public Lighting.
6	AVIGHNA	Abhijeet Aayush,Aditya Raj,Aryan Kumar,Kashish,DalavaiHrud ay,RishitaVithal Kulkarni	SIH1365	Online Blockchain based certificate generation and validation system for government organization.
7	MIRAGE	Lucky N Chajjer,MohammedRahaibR uknuddin,A lanTom,Hrishike sh R Rao,VishalThalluri,Lavanya R.	SIH1483	Technology ideas in tertiary sectors like Hospitality, Financial Services, Entertainment and Retail.
8	AYURVEDA	Madhav Kumar Choudhary, Shubham Kokila,RonitJaiswal,Vandan a H N,Shetty Shilpa Sitaram,Shivam Kumar Jha.	SIH1343	Identification of Different Medicinal Plants/Raw materials through Image Processing Using Machine Learning Algorithms.
9	TECH VIRTUTE	NandanM,Abhishek Gowda M,Shrivathsa M K,Chandan N P,E Shirisha , K C Guru kiran.	SIH1352	Traditional agriculture practices lack real-time monitoring and efficient operation on fields This leads to inefficiencies and low production levels.
10	CITYSPACE	Aditi S Rao,AbhishekJ,DeepaTendul kar,Anjali K S,Deekshita C D,D Praveen Krishna.	SIH1515	Smart and Effective realtime Management of street parking.

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11	R-BOTIX	Krishna Raju R,Rahulsingh K T,Charukesh P N,Darshan R Anvekar,LavanyaR,Sudarshan S Gadagkar.	SIH1399	Development of Technology for manufacturing of mind control BIONIC hand with a sense of touch.
12	CURIOSENSE	Vasanth A,YeshwanthC,ChetanaKS,SoumyajitBiswas,SoumyajitBiswas,Pukkalla Suraj Nageswararao,Darshan Reddy G.	SIH1307	Computerized cognitive Retraining Program for Home training of Children with Disabilities.
13	NATURE'S JEWELS	KishanS,Ganesh Gowda M K,ManjunathK,SuryaS,LakshmiM,NandiniManvdi.	SIH1482	Ideas focused on the intelligent use of resources for transforming and advancements of technology with combining the artificial intelligence to explore more various sources and get valuable insights.
14	CLUELESS CODERS	Pooja shree.S,Yashaswini.A,Manoj S.M,PreetiJakati,Abhishek Bhat U,Adithya K K.	SIH1433	Mental health and well-being surveillance, assessment and tracking solution among children.
15	CODE4CALAMITY	Aditi Das,Bhavana B Hallikeri,Adilkhan H Kulkarni,VineetGautam,K Ajay Kumar Reddy,KRISHNANDAN PANDIT	SIH1440	An application under which all rescue agencies are registered and which can display the location of other rescue relief agencies during natural/ man made calamities.
16	CROP VITALITY ANALYSTS	Chandu H M,ManojM,MythriR,Pooja U R,Bhoomika S M,Gunashree G	SIH1352	Traditional agriculture practices lack real-time monitoring and efficient operation on fields This leads to inefficiencies and low production levels.
17	HEALTHIFY BHARAT	Vishal Kumar,Shaik Mohammad Junaid,NahushS,BhoomiKaushtik,AkulaVidyullatha,Amelsh M.	SIH1325	AI Assisted Tele-medicine KIOSK for Rural India.
18	ENIGMA	LikhitaJayakanth,DivyaDharshiniR,AtulKhuntia,Pranav Bhat V,Tejas Ashok R,Jayaditya G Nair.	SIH1293	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and micro irrigation network of irrigation system.
19	ANILOVE	Kumari Shivyanshi,KumariShivyanshi,KumariDivyanshi,Ashok R K,Amit C Naik,Punu N Gowda.	SIH1492	Cutting-edge technology in these sectors continues to be in demand. Recent shifts in healthcare trends, growing populations also present an array of opportunities for innovation.

A. C. Prasad

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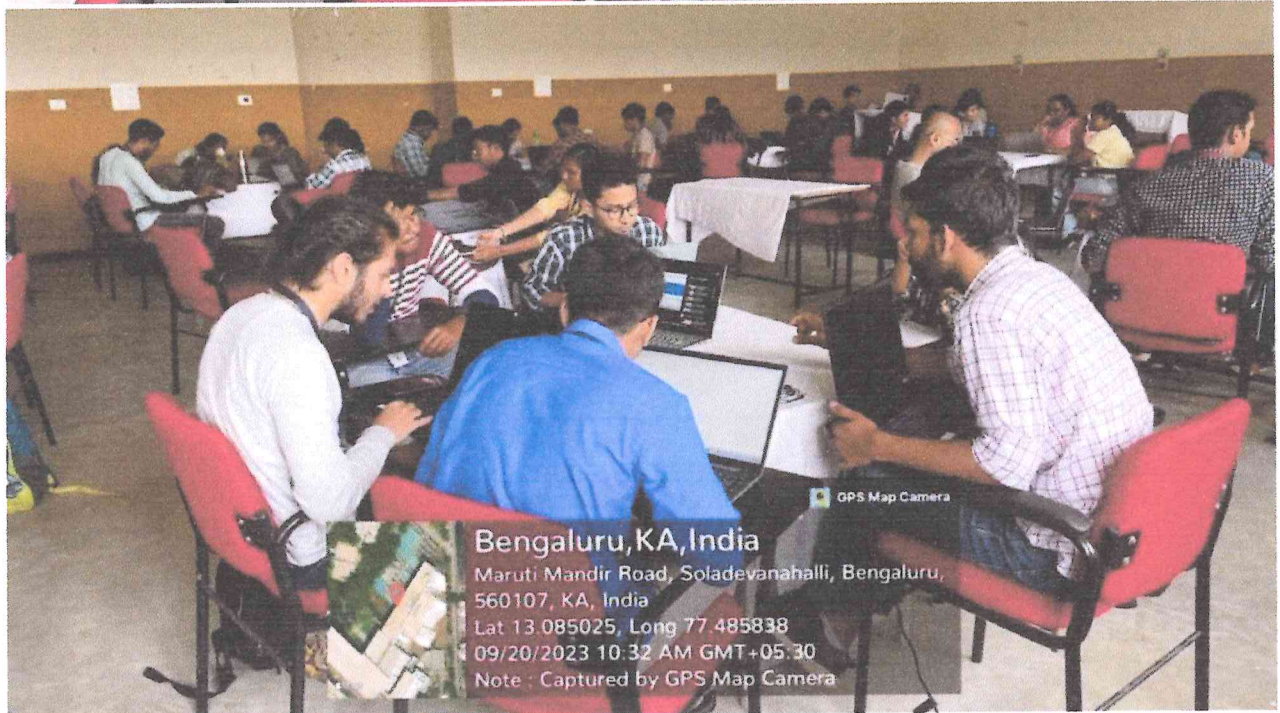
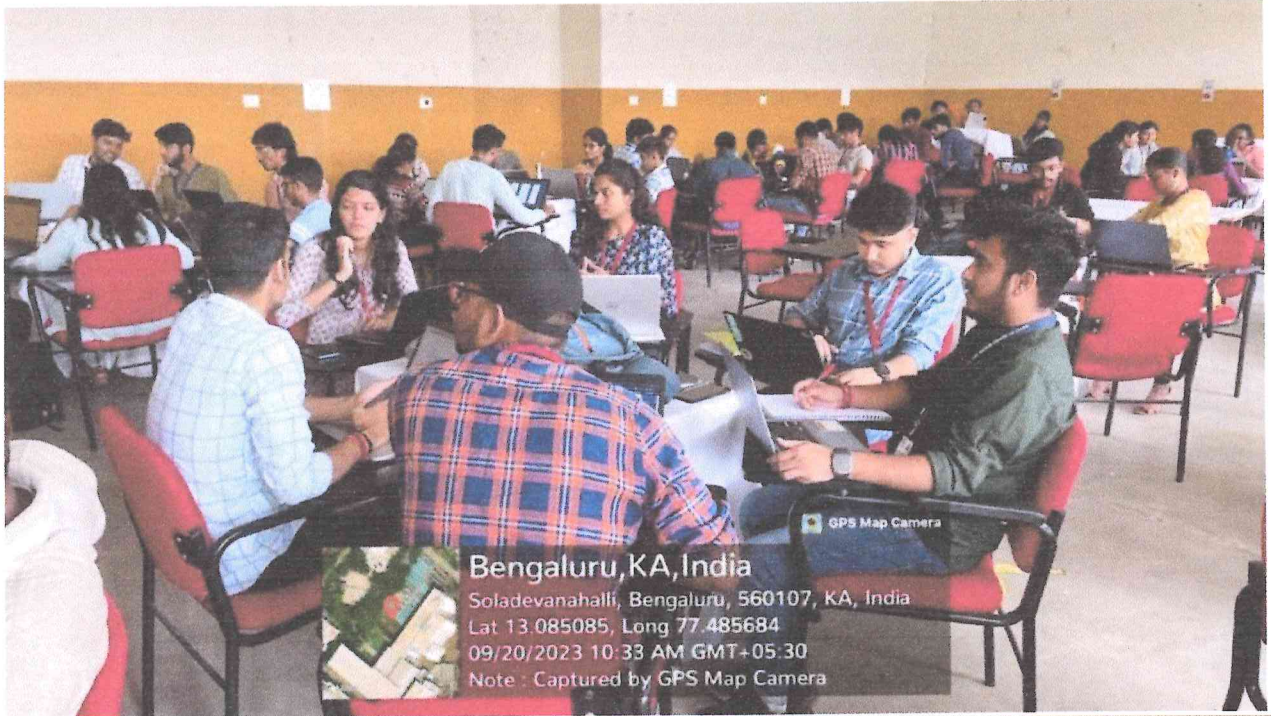
20	INNOVATORS	Antas Ankit Singh, Abha Sharma, Ashritha A Shetty, Nidhi Murthy, Nitesh J K, Anusha R	SIH1414	Drone based Intelligent Magnetic sensing system and Metallic anomaly detection system.
21	AGRI FUTURIST	V Poovarshini, Vijay Kumar S, Anusha A R, K S Chaitanya, Kavyashree S, Virat Jaiswal.	SIH1293	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and micro irrigation network of irrigation system.
22	WATT WIZARDS	Manikanta Subbarao B, Karthik C, Jai Karthik, Hemanth S, Thanmayi H S, Manjunath B M.	SIH1395	IoT based sensors can be used to determine the Machine Runtime.
23	THE INNOVATORS	Nandini U Malavalli, Nikhitha G, Pallavi K Hiregowdar, Shwetha S Patil, Umadevi M, Dilip Kumar B.	SIH1478	Developing solutions, keeping in mind the need to enhance the primary sector of India - Agriculture and to manage and process our agriculture produce.
24	ENVIROGUARDIANS	Soumyaranjan Panda, Rahul Kumar, Arpitha H L, Nitish Kumar, G. Nivetha, Tushar M Khatokar.	SIH1487	Solutions could be in the form of waste segregation, disposal, and improve sanitization system.
25	POWERFUL ELECTRICAL	Rishab M Neelagund, Sudarshan N J, Hindushree A, Chethan S B, Harshith M, Sumedha R J.	SIH1316	Application of Image Analytics for Tree enumeration for diversion of Forest Land.
26	PYROVISION	Ketan S Hegde, Mohammad Amir, Meghana Nair, Aditya R M, Nandan Hegde, Prashant Kumar.	SIH1469	Disaster Management includes ideas related to risk mitigation and Planning before, after or Duration of Disaster.
27	SPOILED TECHIES	Ranjith Crystal Daniel, Shivam Bharti, Shailly Agarwal, Soumy Jain, Piyush Chand, Sachin Singh.	SIH1344	AI-based tool for preliminary diagnosis of Dermatological manifestations.
28	TECH CRUSADERS	Shrihari R Bedre, Yimkumer Pongen, Siddarth Y S, Samarth E V, Vachan K R, Rajasree P V.	SIH1281	Development of gamified platform on Children's Rights to increase legal literacy and awareness among children in India.

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PARTICIPATION STATISTICS:

Total no. of Teams Participated	32	Total no. of Student Participated	192
No. Of female Participants	71	No. Of male Participants	121

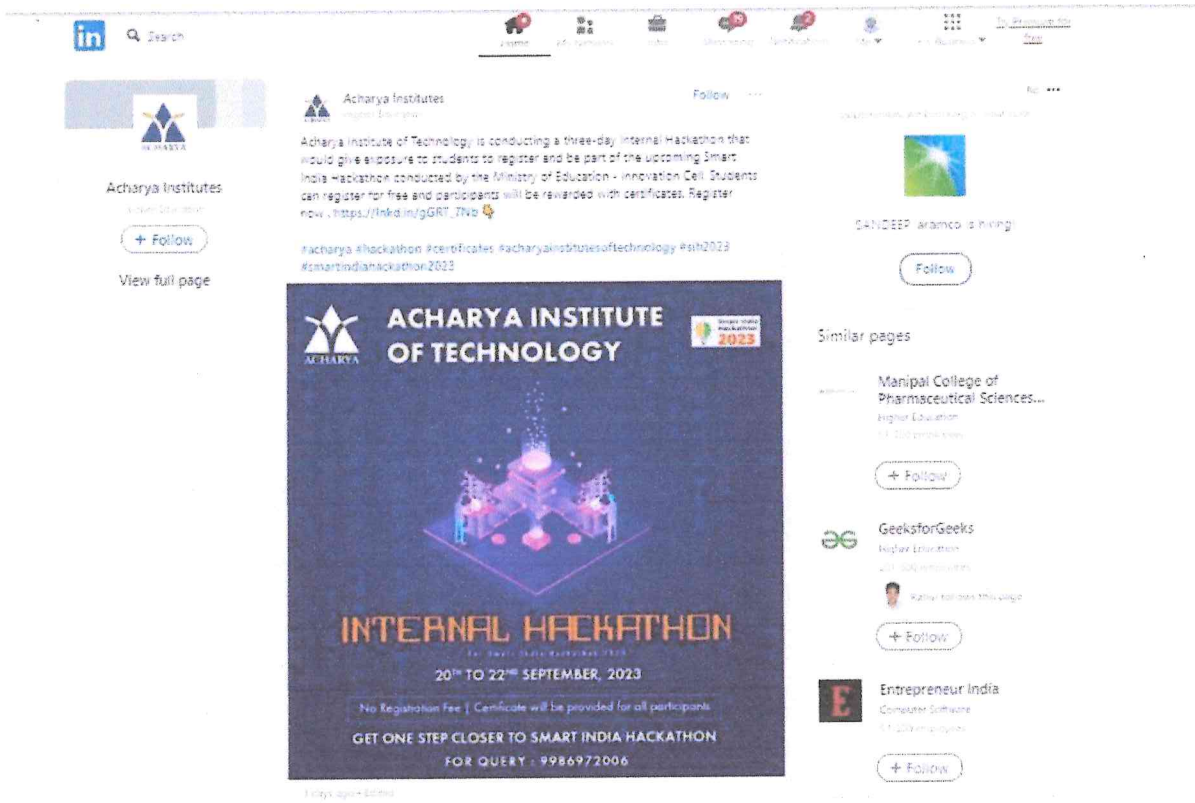


Hackathon Participants in group discussion.

K. S. Prasad

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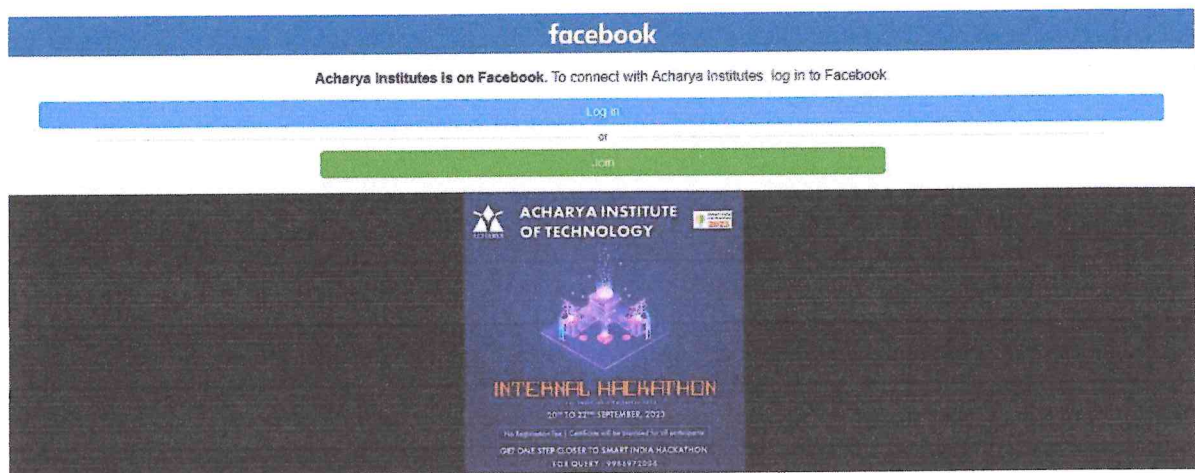
SOCIAL MEDIA LINKS:



LinkedIn - <https://www.linkedin.com/feed/update/urn:li:activity:7110189857901084672>

Facebook

<https://www.facebook.com/100064661200657/posts/pfbid02KXdZozBLhHTSczi2TYq5uPxjcBi9DXezZRw9hgQ5kjZr665aQ3Mc4RmZnKRTgJQml/?mibextid=cr9u03>



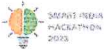
Acharya Institutes
 Acharya Institute of Technology is conducting a three-day Internal Hackathon that would give exposure to students to register and be part of the upcoming Smart India Hackathon conducted by the Ministry of Education - Innovation Cell. Students can register for free and participants will be rewarded with certificates. Register now
 #acharya #hackathon #certificates #smartindiahackathon2023 #acharyainstitutes #sin2023

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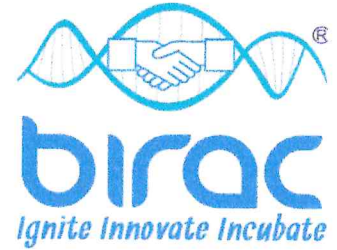


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Approved by AICTE, New Delhi,
Recognized by Govt. of Karnataka and Accredited by NBA
(AE, BT, CSE, ECE, ME, MT)



**SMART INDIA
HACKATHON**



Participation Awards & Funds

List of Details	
1.	Smart India Hackathon Winner Details
2.	AICTE Inventor Challenge Details
3.	E-Yuva Birac Sanctioned Project
4.	KSCST-SPP Sanctioned Details



**A Report on
Participation in the **GRAND FINALE** of
Smart India Hackathon 2023
December 19-22, 2023**

SIH NODAL CENTERS

**Sreenidhi Institute of Science & Technology, Hyderabad,
St. Joseph College of Engineering, Chennai**

COORDINATED AND SUPPORTED BY



**ACHARYA INSTITUTE OF
TECHNOLOGY**

**Acharya Dr Sarvepalli Radhakrishnan Road, Soladevanahalli,
Bengaluru, Karnataka 560107**

A handwritten signature in blue ink, likely belonging to the Principal of Acharya Institute of Technology.

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ABOUT THE EVENT:

Acharya Institute of Technology, Bangalore, saw remarkable success in the Smart India Hackathon (SIH) 2023, a highly competitive national event. Out of the 29 teams nominated from the institute, two exceptional student teams, **ENVIROGUARDIANS** and **CURIOSENSE**, were selected for the prestigious Grand Finale. This selection was a testament to their innovative ideas and hard work, marking them as standout teams among numerous participants.

The Grand Finale was a two-day, non-stop hackathon where the selected teams travelled to different nodal centres for their participation. Team EnviroGuardians headed to Sreenidhi Institute of Science & Technology in Hyderabad, while Team CurioSense made their way to St. Joseph College of Engineering in Chennai. Both teams were prepared for an intense competition, where they were required to present, refine, and perfect their projects under the scrutiny of expert judges.



The hackathon was divided into three critical rounds. The first round involved the presentation of their ideas and preliminary prototypes. This initial stage was crucial as it set the stage for the development of their projects, giving the jury a clear understanding of their vision and the feasibility of their solutions. Both teams showcased their innovative approaches to addressing real-world problems, earning them valuable feedback and setting a solid foundation for the next phases.

N. Srinivas
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Team and Project details:

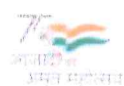
S.No.	Name of Students	Project / Ideas presented	Achievements
1	Soumyaranjan Panda, Rahul Kumar, Arpitha H L, Nitish Kumar, G. Nivetha, Tushar M Khatokar	Improve Sanitation System – An Innovative Mobile App	Winner of National Level Smart India Hackathon - 2023
2	Vasanth A, YeshwanthC, Chetana KS, Soumyajit Biswas, Pukkalla Suraj Nageswararao, Darshan Reddy G.	Computer Assisted Cognition Retraining Therapy for Children with Developmental Disorders	Runner-up (Top 5) at National Level

In the second round, teams were required to implement their ideas according to the suggestions provided by the jury panel. This round was a test of adaptability and technical prowess, pushing the teams to refine their prototypes based on expert insights. EnviroGuardians and CurioSense demonstrated remarkable resilience and creativity, effectively incorporating the feedback and improving their projects. This iterative process not only enhanced the quality of their prototypes but also prepared them for the final round of the competition.

The final round was the culmination of their efforts. It involved the demonstration of the final prototypes and the presentation of their go-to-market strategies. This round was particularly challenging as it required a comprehensive understanding of both the technical aspects and the

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business potential of their projects. EnviroGuardians and CurioSense impressed the judges with their well-rounded presentations, showcasing not only functional prototypes but also viable plans for bringing their solutions to market.

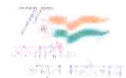
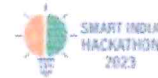


Schedule for Grand Finale of Smart India Hackathon 2023 - Software Edition (19th -20th December 2023)

18 th December 2023	The registration process for participant teams and mentors is to be MANDATORY completed by the evening/night of 18 th December 2023
19th December 2023: Day 1	
7:00 AM to 7:30 AM	Breakfast
7:45 AM	Assemble at venue
Local Inauguration at Nodal Center	
8:00 AM to 8:05 AM	Inauguration of 'Grand Finale of Smart India Hackathon 2023' at the respective nodal centers
8:05 AM to 8:15 AM	Lamp Lighting at the Venue
8:15 AM to 8:20 AM	Welcome Address by Chairman/ President of the institute
8:20 AM to 8:30 AM	Felicitation of Dignitaries
8:30 AM to 8:35 AM	Speech by Guest of Honor
8:35 AM to 8:40 AM	Speech by Chief Guest at Venue
8:45 AM	Local Inauguration Ends
After the local inauguration, the Nodal Centers will connect to the central inauguration	
Central Inauguration	
9:00 AM to 9:30 AM	
Inauguration Ends	
19th December 2023 : Day 1	
9:30 AM	Coding Begins
10:30 AM to 11:30 AM	Tea And Snacks on Table
11:30 AM to 01:00 PM	First Round of Mentoring Session. (7-10 minutes per team, Individual Ministry/organization expert to train the teams, 3 minimum judges per panel)
01:00 PM to 02:00 PM	Lunch
4:30 PM to 5:00 PM	Tea and snacks
7:00 PM - 8:30 PM	First Round of Evaluation (minimum three judges per panel, 7 minutes per team, 4 minutes presenting, 3 mins Q and A)
8:30 PM - 9:00 PM	Dinner
9:00 PM	Coding Resumes
11:00 PM	Midnight Energy drink (Energy drink, juice or the like to be provided to each individual member of the team)
20th December 2023: Overnight Phase (Day 2)	
00:00 AM - 00:30 AM	Second Round of Mentoring (5 to 7 mins per team)
01:00 AM - 02:00 AM	Recreational Activity / Cultural Programme (Karaoke/Singing/ Dance/ Zumba)
02:00 AM	Coding Continues
03:00 AM	Snacks and biscuits served on Table
20th December 2023: Day 2	

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6:00 AM - 6:15 AM	Yoga Session
6:30 AM - 7:30 AM	Breakfast served
9:00 AM - 10:00 AM	Second Round of Evaluation (minimum 3 Judges Per Panel, evaluating implementation of ideas)
10:00 AM	Tea and Snacks Served at Table
12:00 PM - 12:45 PM	Final round of Mentoring (Last and final Round of mentoring by Ministry/organization professionals)
12:45 PM - 1:30 PM	Lunch
01:30 PM	Coding Continues
4:00 PM - 4:30 PM	Tea and Snacks Served at Table
05:30 PM	Coding Stops
05:30 PM - 7:00 PM	Final Round of Evaluation (minimum 3 Judges Per Panel, evaluating implementation of ideas)
7:00 PM - 7:30 PM	Result Finalization by Judges in a separate hall at the venue. Judges to internally discuss and shortlist teams
8:00 PM to 8:30 PM	Valedictory Session and Prize distribution ceremony
8:45 PM	Dinner to be provided. Students will leave the Premises and head for the dormitories/hostels. Note: If certain teams are heading back to their hometowns on the same evening, they need to be provided transportation to the railway/bus station.

21st December 2023 Post Hackathon Departures

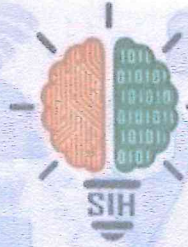
Tea/ Coffee and Brunch to be provided. The departure of teams to their respective hometowns by early afternoon; teams need to be provided with transportation to railway/ bus station.

At the end of the two-day hackathon, the results were announced. Team **ENVIROGUARDIANS** emerged victorious at the Hyderabad nodal center, **winning the prestigious SIH 2023 award. Their innovative solution and thorough execution earned them a cash reward of Rs. 1,00,000/-**. On the other hand, Team **CURIOSENSE** secured the **runner-up position** at the Chennai nodal center. Their project, which was equally impressive, earned them a memento and a certificate of appreciation from the SIH 2023 organizers.

The achievements of EnviroGuardians and CurioSense at the Smart India Hackathon 2023 are a source of immense pride for Acharya Institute of Technology. Their success is a testament to the institute's commitment to fostering innovation, technical excellence, and entrepreneurial spirit among its students. The rigorous work and dedication demonstrated by these teams highlight the potential of young innovators to address complex challenges and make a significant impact on society.

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#SIH
Software Edition



SMART INDIA
HACKATHON
2023



GRAND
FINALE
2023

December 19-20

Winner

20 | 12 | 20 | 23
D | D | M | M | Y | Y | Y | Y

Team Name

ENVIRO GUARDIANS

Rupees

ONE LAKH

₹ 1,00,000/-

Organizers



Media Partner

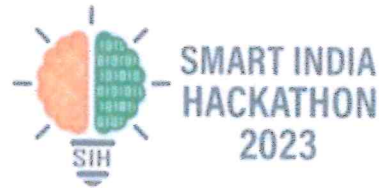


Partner



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#SIH Senior Software Edition



Winner

Certificate

This Certificate is awarded to

Soumyaranjan Panda

the winner of Smart India Hackathon, 2023
Heartiest Congratulations!

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Secretary, Higher Education,
Ministry of Education

Prof. T. G. Sitharam
Chairman, AICTE
Ministry of Education

Dr. Abhay Jere
Vice Chairman AICTE &
Chief Innovation Officer (CIO),
Ministry of Education

Dr. T. CH. Shiva Reddy
Nodal Center Chairperson/
Director/ Principal/
Vice Chancellor

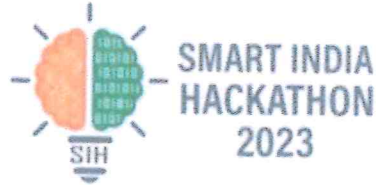
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Winner

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Rahul Kumar

the winner of Smart India Hackathon, 2023
Heartiest Congratulations!

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Ministry of Education

Prof. T. G. Sitharam
Chairman, AICTE
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Dr. Abhay Jere
Vice Chairman AICTE &
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Dr. T. CH. Shiva Reddy
Nodal Center Chairperson/
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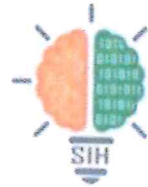
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SMART INDIA HACKATHON 2023

Winner

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Nitish Kumar

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Ministry of Education

Prof. T. G. Sitharam
Chairman, AICTE
Ministry of Education

Dr. Abhay Jere
Vice Chairman AICTE &
Chief Innovation Officer (CIO),
Ministry of Education

Dr T. CH. Shiva Reddy
Nodal Center Chairperson/
Director/ Principal/
Vice Chancellor

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G. Nivetha

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Secretary, Higher Education,
Ministry of Education

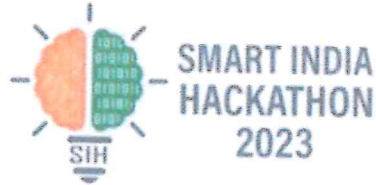
Prof. T. G. Sitharam
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Ministry of Education

Dr. Abhay Jere
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Dr T. CH. Shiva Reddy
Nodal Center Chairperson/
Director/ Principal/
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#SIH Senior Software Edition



Winner

Certificate

This Certificate is awarded to

Arpitha H L

the winner of Smart India Hackathon, 2023

Heartiest Congratulations!

Sh. K Sanjay Murthy
Secretary, Higher Education,
Ministry of Education

Prof. T. G. Sitharam
Chairman, AICTE
Ministry of Education

Dr. Abhay Jere
Vice Chairman AICTE &
Chief Innovation Officer (CIO),
Ministry of Education

Dr T. CH. Shiva Reddy
Nodal Center Chairperson/
Director/ Principal/
Vice Chancellor



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ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

Fwd: Inventors Challenge -2024:Shortlisted Application Inbox x



Kavitha Nair R AI002294

to me ▾

10:13 AM (54 minutes ago)



----- Forwarded message -----

From: Vivek Kumar <itslatlb@aicte-india.org>

Date: Thu, 6 Jun, 2024, 4:58 pm

Subject: Inventors Challenge -2024 Shortlisted Application

To: advtlb Aicte <advtlb@aicte-india.org>, director1 atal <directortlb@aicte-india.org>, Manoj Kumar <manoj.kumar@st.com>, Sridhar ETHIRAJ <Sridhar.ETHIRAJ@st.com>, Vinay Kumar THAPLIYAL <vinay.kumar@st.com>, Ritika Srivastav <Ritika.Srivastav@arm.com>, Apurva Varma <apurva.varma@arm.com>

Cc: <dawnee@msrit.edu>, <sanket.kasturwala@raisoni.net>, <muthudinesh@ametuiv.ac.in>, <kiran@mace.ac.in>, <hodece@jit.ac.in>, <avenkatesh.eee@anits.edu.in>, <eswari.p@jit.ac.in>, <rambabu.k@bvrit.ac.in>, <monisha.ghosh@skf.edu.in>, Principal St. Peters <principal@stpetershyd.com>, <sachin.gajjar@nirmauni.ac.in>, <adnikarthickpsna@psnacet.edu.in>, <sudharsanam.v@rmkcet.ac.in>, <Ashwani.kumar@ggnindia.dronacharya.info>, <kavitha.2294@acharya.ac.in>, <ppavithara.ece@kongu.edu>, <alok.pal@nshn.com>, <manishkumar.jit@gmail.com>, <elizabethisaac@mace.ac.in>, <ninad@somaiya.edu>, <avesahemad@sitcoe.org.in>, <ppagala@gitam.edu>, <anshika.s@cmrit.ac.in>, <hodec@niet.co.in>, Mahender Singh <msingh5500@gmail.com>, <mohanbaa@srmist.edu.in>, <shivaprasad@msrit.edu>, <kalyandusarlapudi@gmail.com>, <umamahes3@srmist.edu.in>, Priti Das <pritidas.1009@gmail.com>, <sandhyani23@gmail.com>, <rajeswarim@bit-bangalore.edu.in>, <valarmathi.cse@sairamce.edu.in>, <rmarimuthu@vit.ac.in>, Arghya Dey <dev.arghya9@gmail.com>, Aasha Nandhini <aasha.nandhu@gmail.com>, pritha narayanan <prithabe28@gmail.com>, <drmyogesh@stthomascollege.ac.in>, <lalithas.ece@bmsce.ac.in>, suba shree <saisubashree96@gmail.com>, <adeepa.cse@sathyabama.ac.in>, <rajasingam.n@kpriet.ac.in>, <sathy.cse@syedengg.ac.in>, <bvenkateshwarrao@cmrcet.ac.in>, <mvarier@gitam.edu>, <psw@vcet.ac.in>, <vijay.mane@vit.edu>, <brijesh.singh@kiet.edu>, <rakeshkumar.m@rajalakshmi.edu.in>, <Suresh.ssk@lendi.org>, <manimegalain@karunya.edu>, logesh kumar <logesh1297@gmail.com>, <jdcoem4138@gmail.com>, <nithyancse@krce.ac.in>, <logisvary@smvec.ac.in>, <priyankasbarathirai@gmail.com>, <umesh.s.samarth@gmail.com>, <vsnir@srmist.edu.in>, <tdkece@nec.edu.in>, <pkn@vcet.ac.in>, Karthikeyan P <Kpkarthi2001@gmail.com>, <rajan@ksrct.ac.in>, <roopam@srmist.edu.in>, <nilima.warke@ves.ac.in>, <dattawaghole10@gmail.com>, <devipria@srmist.edu.in>, <avjoshi@jdcoem.ac.in>, <himanshu.chaudhary@kiet.edu>, <ramdas.b@cmrit.ac.in>, <hod.csd@imkec.ac.in>, <dinesh.n@hit.edu.in>, Dr Siddhartha Choubey <sidd25876@gmail.com>, DeviPriya <sdevipriya87@gmail.com>, <kapre_bs@imgmcen.ac.in>, <karthigam@saveetha.ac.in>, <r.sathish@kgkite.ac.in>, <sreelatha.p@kpriet.ac.in>, <vishanu.patel@ganpatuniversity.ac.in>, <madhusudhan@sdmit.in>, <jeevitha@psnacet.edu.in>, Deeraj C 15 <deerajsimha@gmail.com>, <kkumaran@msrit.edu>, <ranjan.2298@acharya.ac.in>, <veerakumar.me@srit.org>, <bumadevi@jssateb.ac.in>, <virajadeshpande@rnsit.ac.in>, <rekhap@bnmit.in>, <indirans@srmist.edu.in>, <drnavya.ece@eastpoint.ac.in>, <hodme@acropolis.in>, <papuli.changmai@dbuniversity.ac.in>, <dibakar.roychoudhury0@gmail.com>, <prathik.kulkarni@bitwardha.ac.in>, <msdin@anjumanpolytechnic.in>, <gv.ece@builderscollege.edu.in>, <chhabrajitender@akgec.ac.in>, <suganya.ramamoorthy@vit.ac.in>

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Dear Sir/Mam,

Colleges who applied in Inventors Challenge 2024-25 . Kindly Check result

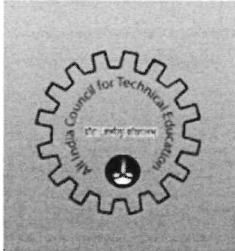
Regards

Vivek Kumar

IT Consultant(TLB-PARAKH)

<https://parakh.aicte-india.org>

011-29581527



All India Council for Technical Education (AICTE)
Nelson Mandela Road Vasant Kunj, New Delhi.

M. S. Kulkarni

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INVENTORS CHALLENGE SHORTLISTED APPLICATION FOR 2024-25

				Edge, Smart Mobility	
82.	Ramaiah Institute of Technology	Dr. Kodeeswarakumaran G	EEE	Sustainable Cities and Communities, Artificial Intelligence at the Edge	Smart Building Energy Management System for Optimized Control of Air Conditioners and Lighting Systems
83.	Acharya Institute of Technology (AIT)	Ranjan G	Computer Science	Good health and Well-Being	Smart Cane
84.	Sri Ramakrishna Institute of Technology	Veerakumar S	Mechanical Engineering	Smart Mobility	Smart Controller Cooling Kit with Black Box Safety Module for Electric Vehicle
85.	JSS Academy Of Technical Education- Bengaluru	Dr. B Umadevi	Mathematics	Good health and Well-Being	Smart Glove for Sign Language
86.	RNS INSTITUTE OF TECHNOLOGY BENGALURU	Mrs. Viraja Deshpande	Mechanical Engineering	Smart Mobility	Smart Hybrid System for Two Wheeler Vehicle

K. S. Prasad
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INVENTORS CHALLENGE SHORTLISTED APPLICATION FOR 2024-25

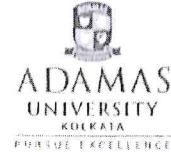
11.	Institute of Technology, Nirma University	Dr. Sachin Gajjar	Electronics and Communication Engineering	Good health and Well-Being, Artificial Intelligence at the Edge	Anomaly Detection in ECG Signals using Tiny-ML for ICU Patients: An Early Warning Alert System
12.	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	Mrs.R. ADHI LAKSHMI	INFORMATION TECHNOLOGY	Sustainable Cities and Communities	AQUASENSE-"The next Gen water monitoring and optimization system"
13.	R.M.K. College of Engineering and Technology	Mr. V. Sudharsanam	Department of Electronics and Communication Engineering	Industry, Innovation, and Infrastructure, Smart Mobility	ARM Based Antenna Positioning System
14.	Dronacharya College of Engineering	Ashwini Kumar	Computer Science	Good health and Well-Being, Industry, Innovation, and Infrastructure, Artificial Intelligence at the Edge	ARRSY (Auto Rescue Response System)
15.	Acharya Institute of Technology, Bangalore, 560 107	Kavitha Nair R	Artificial Intelligence and Machine Learning	Good health and Well-Being, Artificial Intelligence at the Edge	AutBot: A novel machine learning algorithm for Autism Detection

K. N. Nair

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ADAMAS UNIVERSITY
E-YUVA CENTRE
Supported by BIRAC
(A Govt. of India Enterprise)



E-YUVA/AU/ARG/AIT/2022-23
Dated- 21.12.2022

SANCTION ORDER

To,
Dr. Muthukumar Chockalingam and Team
Acharya Institute of Technology
Bangalore

Project Ref No.: BT/EF0103/01/22

This is to inform that Mr. Ablisshek R. and 4 other fellows has joined E-YUVA Centre, Adamas University (Supported by BIRAC) as E-YUVA Fellow with effect from 01.12.2022. The tenure of the project is 12 months.

The fellows will adhere with the guidelines of the agreement

As per GLA and Agreement, we have release 75% of the Annual Research Grant i.e. Rs 1,87,500/- (Rupees One Lakh Eighty Seven Thousand Five Hundred only) as 1st Instalment on 21st Dec, 2022 out of total Annual Research Grant of Rs. 2,50,000/- (Rupees Two Lakh Fifty Thousand only) for 1 year to your provided account details.

Name of the Account	Total Annual Research Grant	1 st Instalment (75%) of the Annual Research Grant
JMJ Education Society	Rs. 2,50,000/-	Rs. 1,87,500.00

Hence, we request for acknowledging the same.

Yours faithfully,

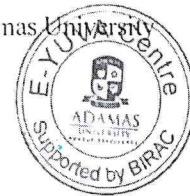
Dr. Saptarishi Chatterjee

Chief Coordinator & Principal Project Investigator

E-YUVA Centre, Supported by BIRAC (A Govt. of India Enterprise) Adamas University

Email: birac.e-yuva@adamasuniversity.ac.in

Mob: 701663668



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Announcement of Final Results of First call for Fellows under BIRAC EYUVA Scheme

5 messages

UIC Coordinator 2000 Biotechnology <uic_coordinator@uasd.in>

To: Charukesh Charlie <charucharle007@gmail.com>

Cc: HOD, Department of Biotechnology, UAS, Dharwad <hodbthacd@uasd.in>

Sat, 6 Aug, 2022 at 1:00 pm

Dear Charukesh P. N,

This is with reference to your Proposal Ref. No. BT/EF0055/01/22 titled '**PESTO-BOT**' applied under BIRAC- Empowering Youth for Undertaking Value Added Innovative Translational Research (EYUVA) Scheme, the interviews for which were held on 27.06.2022 at the BIRAC EYUVA Centre, Department of Biotechnology, UAS Dharwad.

We thank you for applying in response to our call for proposals. We are delighted to inform you that your **Team has been selected for the EYUVA Fellowship** at the BIRAC EYUVA Centre, University of Agricultural Sciences, Dharwad. Further procedures will be shared shortly. The list of all selected candidates has been displayed on the UASD IABT website and can be accessed by clicking on 'Results of the First call for proposals under BIRAC EYUVA Scheme' at the following link:

<https://www.uasdiabt.in/birac-eyuva-uasd>

Congratulations and welcome aboard.

Kindly acknowledge the mail and provide your confirmation regarding the same.

Regards,

Rubiya Nadaf

—
Coordinator
BIRAC - EYUVA Centre
IABT, Department of Biotechnology,
University of Agricultural Sciences, Dharwad
Krishinagar 580005

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This Email Message is Sent From ::
UNIVERSITY OF AGRICULTURAL SCIENCES

DHARWAD 580005, Karnataka state, INDIA
WEBSITE :: <http://www.uasd.edu>

Charukesh Charlie <charucharle007@gmail.com>
To: UIC Coordinator 2000 Biotechnology <uic_coordinator@uasd.in>

Sat, 6 Aug, 2022 at 8:21 pm

Dear Mam,

Firstly very happy to know that we have got shortlisted to the next round, I on the behalf of my team thank you a lot for recognizing us and giving a chance to showcase our talents, Thank you very much.

Im writing this e-mail to confirm that we are very proud to attend the furthur rounds.

Thank you.

Team Pesto-bot.

[Quoted text hidden]

Charukesh Charlie <charucharle007@gmail.com>
To: UIC Coordinator 2000 Biotechnology <uic_coordinator@uasd.in>

Sun, 21 Aug, 2022 at 10:16 am

Dear mam,

Sorry to ask this, but may i know that do we have an option to change the team mates now?....kindly let me know..

[Quoted text hidden]

UIC Coordinator 2000 Biotechnology <uic_coordinator@uasd.in>
To: Charukesh Charlie <charucharle007@gmail.com>

Fri, 9 Sept, 2022 at 10:00 am

Dear Charukesh,

There is NO provision for changing the teammates at this point of time.

Regards,

Rubiya Nadaf

[Quoted text hidden]

Charukesh Charlie <charucharle007@gmail.com>
To: UIC Coordinator 2000 Biotechnology <uic_coordinator@uasd.in>

Fri, 9 Sept, 2022 at 6:07 pm

Oh its ok.....


Thank you for the information.

[Quoted text hidden]



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ಕೃಷಿ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ

ಡಾ. ಎಚ್. ಬಿ. ಬಬಲಾದ ಎಮ್. ಎಸ್. (ಕೃಷಿ), ಪಿಎಚ್. ಡಿ. ಡೀನ್ (ಕೃಷಿ) & ಆವರಣ ಮುಖ್ಯಸ್ಥರು			ಕೃಷಿ ಮಹಾವಿದ್ಯಾಲಯ ಮುಖ್ಯ ಆವರಣ, ಕೃಷಿ ನಗರ ಧಾರವಾಡ-580005, ಕರ್ನಾಟಕ ರಾಜ್ಯ	
ಮೊಬೈಲ್	: +91 9449809436		ಫ್ಯಾಕ್ಸ್	: +91-0836-2792180
ಕಛೇರಿ	: 0836-2214210 0836-2792180		ಮಿಂಚೆಂಚೆ	: deanacd@uasd.in
			ವೆಬ್‌ಸೈಟ್	: www.uasd.edu

ಸಂ. ಡೀನ್(ಕೃಷಿ)/ಟಿಎ-05/ 1973 /2022-23

ದಿನಾಂಕ : 20.03.2023

ಗೆ,
ಆಡಳಿತಾಧಿಕಾರಿಗಳು
ಕೃಷಿ ವಿಶ್ವವಿದ್ಯಾಲಯ,
ಧಾರವಾಡ- 580 005

ಮಾನ್ಯರೇ,

ವಿಷಯ : E-YUVA Fellows ಸೇವೆಗೆ ಹಾಜರಾದ ಕುರಿತು.
ಉಲ್ಲೇಖ: No. R/R2P/R524/3537- B /2022-23 / Dtd. 06.02.2023.

ಈ ಮೇಲ್ಕಾಣಿಸಿದ ವಿಷಯ ಹಾಗೂ ಉಲ್ಲೇಖಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಕೃಷಿ ಮಹಾವಿದ್ಯಾಲಯ ಧಾರವಾಡದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ವಿಭಾಗದ "BIRAC - Empowering Youth for Undertaking Value Added Innovative Translational Research (EYUVA) centre EYC" ಯೋಜನೆಯ (ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ ಸಂಖ್ಯೆ: 5283/635) ರ ಅಡಿಯಲ್ಲಿ ಈ ಕೆಳಕಾಣಿಸಿದಂತೆ E-YUVA Fellows ಅವರುಗಳ ಹೆಸರಿನ ಮುಂದೆ ತೋರಿಸಿದಂತೆ ಕೆಲಸಕ್ಕೆ ಹಾಜರಾಗಿದ್ದಾರೆ.

ಅ.ಸಂ	ಹೆಸರು	ಯೋಜನೆಯ ಶೀರ್ಷಿಕೆ	ಕೆಲಸಕ್ಕೆ ಹಾಜರಾದ ದಿನಾಂಕ
1.	Mr. Charukesh P.N.	PESTO-BOT	10.03.2023 ಪೂರ್ವಾಹ್ನ
2.	Ms. Lekhana Satheesha		
3.	Ms. Ashritha A Shetty		
4.	Mr. Ashmith		

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

(ಹೆಚ್. ಬಿ. ಬಬಲಾದ)

ಡೀನ್ (ಕೃಷಿ)

ಕೃಷಿ ಮಹಾವಿದ್ಯಾಲಯ

ಪ್ರತಿಯನ್ನು ಆದರ ಪೂರ್ವಕವಾಗಿ:

1 ಕುಲಸಚಿವರು / ಹಣಕಾಸು ನಿಯಂತ್ರಣಾಧಿಕಾರಿಗಳು, ಕೃಷಿ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ ಮತ್ತು ಮುಂದಿನ ಕ್ರಮಕ್ಕಾಗಿ.

ಪ್ರತಿಯನ್ನು:

1 ಪ್ರಾಧ್ಯಾಪಕರು ಹಾಗೂ ಮುಖ್ಯಸ್ಥರು / ಯೋಜನಾ ಮುಖ್ಯಸ್ಥರು, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ವಿಭಾಗ, ಕೃಷಿ ಮಹಾವಿದ್ಯಾಲಯ, ಧಾರವಾಡ ಇವರ ಮಾಹಿತಿಗಾಗಿ
2 ಉಪ ಹಣಕಾಸು ನಿಯಂತ್ರಣಾಧಿಕಾರಿಗಳು, ಕೃಷಿ ಮಹಾವಿದ್ಯಾಲಯ, ಧಾರವಾಡ ಇವರ ಮಾಹಿತಿಗಾಗಿ ಮತ್ತು ಮುಂದಿನ ಕ್ರಮಕ್ಕಾಗಿ.



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EYUVA TEAM, 2022-23

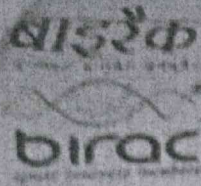
Title of Proposal: PESTO-BOT

RECEIPT

Received with thanks from the Principal Investigator (Chief Coordinator) towards Grant -In-Aid for carryout the proposed research under EYUVA scheme at EYC, Department of Biotechnology, UAS, Dharwad a sum Rs. 1,87,500/- (One Lakhs Eight Seven Thousands Five Hundreds only) on account of Fist installment of about 75% of total Rs. 2,50,000 (Two Lakhs Fifty Thousand only) in March, 2023.



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E - YUVA CENTER

(Established by Biotechnology Industry Research Assistance Council, Govt. of India)
Department of Biotechnology

GIET University, Gunupur, Odisha, India



Reference No. 02/BIRAC/EYC/GIETU

Date 01/06/2024

Application Reference No.	Team Members	Team Institute	Proposal Title	Team Mentor
BT/EF0766/2.0/24	Lakshita Jayakanti	Acharya Institute of Technology	Image Based Leaf disease Detection, Automated Irrigation Control and Intelligent Advisory Systems	Dr. Sujatha B M
	Hole Swetha			
	Mr. Hemant Kumar D M			

Sub: BIRAC E-YUVA Fellowship regarding
(Ref: Email from BIRAC dated 01.06.2024)

Dear E-YUVA Applicants,

We are pleased to inform you that your proposal (Ref. No. BT/EF0766/2.0/24) for the E-YUVA (Empowering Youth for Undertaking Value Added Innovative Translational Research) fellowship under the BIRAC E-YUVA scheme has been selected in the 2nd National Call for proposals for fellows. Your team has been selected for the E-YUVA Fellowship at the DBT-BIRAC E-YUVA Centre, GIET University, Gunupur, Odisha, for the session 2024-2025.

The fellowship will commence upon the signing of the attached Sub-Grant Agreement (SGA). Please review the terms and conditions of the fellowship carefully.

Kindly confirm your acceptance and joining at the centre immediately upon receiving this letter. Additionally, please bring all relevant original documents for verification during the signing of the SGA.

We look forward to your contributions to our innovation ecosystem and to achieving the aims and objectives of the fellowship.

Best regards,

Maity 01/06/2024
Dr. Sudipta Maity
Coordinator
BIRAC E-YUVA CENTRE
GIET University,
GUNUPUR-765022, Odisha



Manoja 01/06/2024
Dr. Manoja Das
Chief Coordinator
BIRAC E-YUVA CENTRE
GIET University,
GUNUPUR-765022, Odisha



GANDHI INSTITUTE OF ENGINEERING & TECHNOLOGY UNIVERSITY

Gunupur-765022, District: Rayagada, Odisha, India, www.giet.edu

Approved by Govt. of Odisha

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Affiliated to Visvesvaraya Technological University, Belagavi,
Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka and
Accredited by NBA (AE, BT, CSE, ECE, ME, MT)

2023-24					
1	Detection and Remediation of Microplastics And Per-Polyfluoroalkyl Substances (PFAS) In Treated Sewage Water	Mr. Pruthvish R. Mr. Pawan S. Ms. Varshitha P. Mr. Kiran B. S. Ms. Spurti Prakash Patil	Biotechnology	6 Month	7,000
2	Optimization of Topical Formulation to Treat Early Stage Melanoma	Dr. Akhela Umapathi Dr. Ismail Ms. Jayshree S. Mr. Sanjay Sardar P. Ms. Adora G. Christina Mr. Abhishek	Biotechnology	6 Month	7,000
3	Development of An Autonomous Underwater Vehicle (AUV)	Prof. Muralikrishna Mr. Uday Chandra N. C. Mr. Akki Kotresh Mr. Yashwanth T. P. Mr. Akash N.	Electrical and Electronics Engineering	6 Month	5,000.00
4	Automated Aquaponics System	Mr. Sandeep Kumar K. Mrs. Kumbhar Trupti Ravikumar Ms. Nandini U. Malavalli Ms. Nikhitha G. Ms. Pallavi K. Hiregowdar Ms. Umadevi M. V.	Electronics and Communication Engineering	6 Month	5,500.00
5	MIMO Radar for Slow and Small Targets Using Coherent & Non Coherent Detection	Mr. Devasis Pradhan Ms. Divya Dharshini R. Mr. Atul Khuntia Mr. Kumar Aditya Ms. Mythri R.	Electronics and Communication Engineering	6 Month	5,000.00
6	Blockchain Based	Prof. Pankaj	Information	6 Month	4,500.00

(Handwritten Signature)

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Accredited by NBA (AE, BT, CSE, ECE, ME, MT)

	Academic Result Display System	Kumar Mr. Chinmaya Dandin Mr. Akshali Sumanth Mr. Manoj Mr. Darshan A. R.	Science and Engineering		
7	A Technology-Powered Survey on How Ai And Machine Learning Impacts Agricultural Prosperity in India	Dr. Monica M. Mr. Ashish S. Menon Ms. Talari Aparna	MBA	6 Month	5,000.00
8	Design and Fabrication of Animal Food Making Machine Using Waste Fruits and Vegetable Pulp	Prof. Shrimukhi G. Shastry Mr. Chandan M. N. Mr. Keerthan B. T. Mr. Yashwanth N.	Mechanical Engineering	6 Month	5,500.00
9	Design and Implementation of An Artificial Intelligence-Based Plant Disease Detection and Control System.	Dr. Manjunatha K. N. Prof. Sandeep K. Mr. Yadhu Krishna Nair Mr. Nishanth Kumar R. Mr. Nishanth R. Mr. Keerthi S. Kumar	Mechatronics Engineering	6 Month	5,500.00
10	Design and Develop A Child Rescue Robot from Borewells	Dr. Baghirathi V. Dr. Manjunatha K. N. Mr. Shashank T. G. Mr. Pavankumar P. Kadam Mr. Manoj P. Mr. Lokesh Kiran R.	Mechatronics Engineering	6 Month	5,500.00
Total					55,500

(Handwritten signature)

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ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: www.kscst.org.in, <https://kscst.karnataka.gov.in> || Email: spp@kscst.org.in || Tel: 080-2334 1652, 2334 8848/49/40

47th series of Student Project Programme (SPP): 2023-24

List of Student Project Proposals Approved for Sponsorship

9. ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (Rs.)
38.	47S_BE_2984	DETECTION AND REMEDIATION OF MICROPLASTICS AND PER-POLYFLUOROALKYL SUBSTANCES(PFAS) IN TREATED SEWAGE WATER	B.E.	BIOTECHNOLOGY	Mr. PRUTHVISH R.	Mr. PAWAN S. Ms. VARSHITHA P. Mr. KIRAN B. S. Ms. SPURTI PRAKASH PATIL	7,000.00
39.	47S_BE_3955	OPTIMIZATION OF TOPICAL FORMULATION TO TREAT EARLY STAGE MELANOMA	B.E.	BIOTECHNOLOGY	Dr. AKHELA UMAPATHI Dr. ISMAIL SHAREEF	Ms. JAYSHREE S. Mr. SANJAY SARDAR P. Ms. ADORA G. CHRISTINA Mr. ABHISHEK	7,000.00
40.	47S_BE_5371	DEVELOPMENT OF AN AUTONOMOUS UNDERWATER VEHICLE (AUV)	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Prof. MURALIKRISHNA	Mr. UDAY CHANDRA N. C. Mr. AKKI KOTRESH Mr. YASHWANTH T. P. Mr. AKASH N.	5,000.00
41.	47S_BE_3987	AUTOMATED AQUAPONICS SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. SANDEEP KUMAR K. Mrs. KUMBHAR TRUPTI RAVIKUMAR	Ms. NANDINI U. MALAVALLI Ms. NIKHITHA G. Ms. PALLAVI K. HIREGOWDAR Ms. UMADEVI M. V.	5,500.00
42.	47S_BE_4335	MIMO RADAR FOR SLOW AND SMALL TARGETS USING COHERENT & NON COHERENT DETECTION	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. DEVASIS PRADHAN	Ms. DIVYA DHARSHINI R. Mr. ATUL KHUNTIA Mr. KUMAR ADITYA Ms. MYTHRI R.	5,000.00

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47th series of Student Project Programme (SPP): 2023-24

List of Student Project Proposals Approved for Sponsorship

43.	47S_BE_0405	BLOCKCHAIN BASED ACADEMIC RESULT DISPLAY SYSTEM	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. PANKAJ KUMAR	Mr. CHINMAYA DANDIN Mr. AKSHALI SUMANTH Mr. MANOJ Mr. DARSHAN A. R.	4,500.00
44.	47S_MBA_0143	A TECHNOLOGY-POWERED SURVEY ON HOW AI AND MACHINE LEARNING IMPACTS AGRICULTURAL PROSPERITY IN INDIA	MBA	MBA	Dr. MONICA M.	Mr. ASHISH S. MENON Ms. TALARI APARNA	5,000.00
45.	47S_BE_4275	DESIGN AND FABRICATION OF ANIMAL FOOD MAKING MACHINE USING WASTE FRUITS AND VEGETABLE PULP	B.E.	MECHANICAL ENGINEERING	Prof. SHRIMUKHI G. SHASTRY	Mr. CHANDAN M. N. Mr. KEERTHAN B. T. Mr. YASHWANTH N.	5,500.00
46.	47S_BE_2959	DESIGN AND IMPLEMENTATION OF AN ARTIFICIAL INTELLIGENCE-BASED PLANT DISEASE DETECTION AND CONTROL SYSTEM.	B.E.	MECHATRONICS ENGINEERING	Dr. MANJUNATHA K. N. Prof. SANDEEP K.	Mr. YADHU KRISHNA NAIR Mr. NISHANTH KUMAR R. Mr. NISHANTH R. Mr. KEERTHI S. KUMAR	5,500.00
47.	47S_BE_3090	DESIGN AND DEVELOP A CHILD RESCUE ROBOT FROM BOREWELLS	B.E.	MECHATRONICS ENGINEERING	Dr. BAGHIRATHI V. Dr. MANJUNATHA K. N.	Mr. SHASHANK T. G. Mr. PAVANKUMAR P. KADAM Mr. MANOJ P. Mr. LOKESH KIRAN R.	5,500.00

Transaction Details:

NAME OF THE ACCOUNT HODLER	DATE OF TRANSACTION	TRANCTION DETAILS	AMOUNT
ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU	13-06-2024	NEFT Dr-P165240329083500-YESB0000022- ACHARYA INSTITUTE OF TECH BENGALURU- KSCST SPP 47TH SR GR TO COLLEGES	55,500

K. S. Prasad
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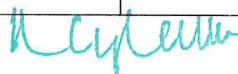
ACHARYA INSTITUTE OF TECHNOLOGY

Affiliated to Visvesvaraya Technological University, Belagavi, Govt. of Karnataka.
Approved by AICTE, New Delhi and Accredited by NBA

Grants Received - KSCST

46th Series of SPP-2019-2020

Sl.No.	Title of the Project	Guide & Students Details	Department	Duration	Sanctioned Amount
1	Immobilized Biofertilizers To Support Sustainable Cropping System	Dr. Suneetha T B Mr. Navaneeth S Kumar Mr. Kiran R	Biotechnology	6 Month	8,000
2	Determining The Plant Nutrients Using Flexible Sensors	Dr. Shilpa Sivashankar Dr. Thriveni V Mr. Manjunath Yadav S M Mr. Neeraj A M Mr. V. Lokesh	Biotechnology	6 Month	7,000
3	Mycelium Based Sustainable Biopolymer Composites	Mr. Pruthvish R Ms. Sinchana H Kundar Ms. Dhriti Ms. Harshitha Ms. Sunandha M	Biotechnology	6 Month	7,000
4	Smart Drip Irrigation System Using Io	Prof. Brunda G S Prof. Mohan N Mr. Raghavendra P Bhandari Ms. Thejashree G L Ms. Roopa Mr. Sachin D	Civil Engineering	6 Month	5,000
5	Effect Of Drainage Characteristics In Granular Sub-Base Course On Flexible Pavement Performance	Mr. Dhananjay M Mr. Sunil S K Mr. Ronit Raj Mr. Rohan Kumar Singh Mr. Sachin Mr. Sanganagouda N Hodla	Civil Engineering	6 Month	5,000


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6	Design And Development Of Ev Fast Charger For Indian Distribution System	Mr. Sunil Kumar A V Mr. Mohit Ms. Deepa G K Ms. Meghana P Ms. Noorjahan Shivanguthi	Electrical And Electronics Engineering	6 Month	7,000
7	Land Survey And Mapping For Agriculture Purpose Using Uav	Dr. Sujatha B M Mr. Vishruth Mr. Sudeep S D Mr. T Varun Mr. Pavanakumar Y Chavhan	Electronics And Communication Engineering	6 Month	6,000
8	Biodegradable, Hygienic And Compostable Tableware From Hybrid Bagasse As Plastic Alternative And Animal Feed	Dr. Shadakshari R Mr. Lokesh D Mr. Vedant Mr. Darshan K N Mr. Athish G R	Mechanical Engineering	6 Month	7,000
9	Autonomous Aerial System For Agriculture Purpose	Mr. Chandrashekhara L Dr. Devarajaiah R M Mr. Milindkumar M Mali Mr. Nagarjun H R Mr. Ayaan Mohammed H Mr. B Somanaath	Mechatronics Engineering	6 Month	7,000
10	Speech And Language Therapy Robot To Treat Children With Asd (Autism Spectrum Disorder)	Mr. Naveen Kumar S N Dr. Devarajaiah R M Mr. Chethan U M Ms. Bhavana R Mr. Bhuvanesh Nagaral Mr. Prashanth	Mechatronics Engineering	6 Month	7,000
11	Development Of Articulated Robot Arm And Implementation Of It's Digital Twin	Mr. Naveen Kumar S N Mr. Mohammed Usman Mr. Arun Kumar M Ms. Hema R	Mechatronics Engineering	6 Month	7,000
Total					73,000

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

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46th series of Student Project Programme (SPP): 2022-23

Status of receipt of softcopy of Project Report and Utilisation Certificate and Statement of Expenditure (UC/SE) from college
as of 1st December 2023

8. ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (RS.)	REPORT RECEIVED	HARDCOPY OF UC RECEIVED
43.	46S_BE_1768	IMMOBILIZED BIOFERTILIZERS TO SUPPORT SUSTAINABLE CROPPING SYSTEM.	B.E.	BIOTECHNOLOGY	Dr. SUNEETHA T B	Mr. NAVANEETH S KUMAR Mr. KIRAN R	8,000.00	Yes	Not received
44.	46S_BE_5064	DETERMINING THE PLANT NUTRIENTS USING FLEXIBLE SENSORS	B.E.	BIOTECHNOLOGY	Dr. SHILPA SIVASHANKAR Dr. THRIVENI V	Mr. MANJUNATH YADAV S M Mr. NEERAJ A M Mr. V. LOKESH	7,000.00	No	
45.	46S_BE_5255	MYCELIUM BASED SUSTAINABLE BIOPOLYMER COMPOSITES	B.E.	BIOTECHNOLOGY	Mr. PRUTHVISH R	Ms. SINCHANA H KUNDAR Ms. DHRITI Ms. HARSHITHA Ms. SUNANDHA M	7,000.00	No	
46.	46S_BE_4727	SMART DRIP IRRIGATION SYSTEM USING IOT	B.E.	CIVIL ENGINEERING	Prof. BRUNDA G S Prof. MOHAN N	Mr. RAGHAVENDRA P BHANDARI Ms. THEJASHREE G L Ms. ROOPA Mr. SACHIN D	5,000.00	Yes	
47.	46S_BE_4916	EFFECT OF DRAINAGE CHARACTERISTICS IN GRANULAR SUB-BASE COURSE ON FLEXIBLE PAVEMENT PERFORMANCE	B.E.	CIVIL ENGINEERING	Mr. DHANANJAY M Mr. SUNIL S K	Mr. RONIT RAJ Mr. ROHAN KUMAR SINGH Mr. SACHIN Mr. SANGANAGOUDA N HODLA	5,000.00	No	
48.	46S_BE_3800	DESIGN AND DEVELOPMENT OF EV FAST CHARGER FOR INDIAN DISTRIBUTION SYSTEM	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mr. SUNIL KUMAR A V	Mr. MOHIT Ms. DEEPA G K Ms. MEGHANA P Ms. NOORJAHAN SHIVANGUTHI	7,000.00	Yes	

(Handwritten Signature)

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Website: www.kscst.org.in || Email: spp@kscst.org.in || Tel: 080-2334 1652,2334 8848/49/40

46th series of Student Project Programme (SPP): 2022-23

Status of receipt of softcopy of Project Report and Utilisation Certificate and Statement of Expenditure (UC/SE) from college as of 1st December 2023

49.	46S_BE_5359	LAND SURVEY AND MAPPING FOR AGRICULTURE PURPOSE USING UAV	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUJATHA B M	Mr. VISHRUTH Mr. SUDEEP S D Mr. T VARUN Mr. PAVANAKUMAR Y CHAVHAN	6,000.00	No
50.	46S_BE_4621	BIODEGRADABLE, HYGIENIC AND COMPOSTABLE TABLEWARE FROM HYBRID BAGASSE AS PLASTIC ALTERNATIVE AND ANIMAL FEED	B.E.	MECHANICAL ENGINEERING	Dr. SHADAKSHARI R	Mr. LOKESH D Mr. VEDANT Mr. DARSHAN K N Mr. ATHISH G R	7,000.00	No
51.	46S_BE_3045	AUTONOMOUS AERIAL SYSTEM FOR AGRICULTURE PURPOSE	B.E.	MECHATRONICS ENGINEERING	Mr. CHANDRASHEKHAR L Dr. DEVARAJAIAH R M	Mr. MILINDKUMAR M MALI Mr. NAGARJUN H R Mr. AYAAN MOHAMMED H Mr. B SOMANAATH	7,000.00	Yes
52.	46S_BE_3157	SPEECH AND LANGUAGE THERAPY ROBOT TO TREAT CHILDREN WITH ASD (AUTISM SPECTRUM DISORDER)	B.E.	MECHATRONICS ENGINEERING	Mr. NAVEEN KUMAR S N Dr. DEVARAJAIAH R M	Mr. CHETHAN U M Ms. BHAVANA R Mr. BHUVANESH NAGARAL Mr. PRASHANTH	7,000.00	Yes
53.	46S_BE_3940	DEVELOPMENT OF ARTICULATED ROBOT ARM AND IMPLEMENTATION OF IT'S DIGITAL TWIN	B.E.	MECHATRONICS ENGINEERING	Mr. NAVEEN KUMAR S N	Mr. MOHAMMED USMAN Mr. ARUN KUMAR M Ms. HEMA R	7,000.00	Yes

Transaction Details:

NAME OF THE ACCOUNT HODLER	DATE OF TRANSACTION	TRANCTION DETAILS	AMOUNT
ACHARYA INSTITUTES CMS A/C	12-05-2023	NEFT Dr-P132230240891892-ACHARYA INSTITUTES CMS A/C-YESB00000022	73,000.00

H. C. Prasad
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ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

Grants Received - KSCST

45th Series of SPP-2019-2020

Sl.No.	Title of the Project	Guide & Students Details	Department	Duration	Sanctioned Amount
1	Thread Based Biosensor For The Detection Of Hyperuricemia	Dr. Shilpa Sivashankar Ms. Aiswarya K Anilkumar Ms. Manasa.K Mr. Pujan Prakash Patil Ms. Shashikala Malgan	Biotechnology	6 month	10,000
2	Production Of Siderophore Using Suitable Soil Microorganisms For Its Varied Agricultural Applications	Dr. Thriveni.V Ms. Medha M N Mr. Rohith Srujan Mr. Sai Charan Ms. Prathibha S B	Biotechnology	6 month	6,000
3	Iot Based Solar Tracking Agriculture Monitoring System	Dr. Jayalxmi H Ms. Megha A Jagadal Ms. Jyothi V Ms. Nandini K L Mr. Sridhar D S	Electronics And Communication Engineering	6 month	7,000
4	Human Activity Recognition Using Deep Learning With Neural Networks For Dash Cams And Street Surveillance	Mr. Lokanna Kadakolmath Ms. Navya N Ms. Nikita Singh Ms. Priya Singh Mr. Yashi Prasad	Information Science And Engineering	6 month	5,000
5	Air Quality Index Prediction Using Machine Learning	Mr. Karthikeyan.A Mr. Bibhas Narayan Jha Mr. Abhishek Sharma Mr. Ayush Kumar Mr.	Information Science And Engineering	6 month	5,000

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		Tushar Dubey			
6	Design And Fabrication Of Microcontroller Based Centrifugal Casting Machine	Mr. Naveen Kumar S N Dr. Devarajaiah R M Mr. Muhammed Ramshad Tm Mr. Abhinand P Mr. Ajith Kumar J Mr. Aswin Gangan	Mechatronics	6 month	8,000
Total					41,000

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45th series of Student Project Programme (SPP): 2021-22

List of Student Project Proposals Approved for Sponsorship

6. ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	BUDGET RECOMMENDED
37.	45S_BE_3693	THREAD BASED BIOSENSOR FOR THE DETECTION OF HYPERURICEMIA.	B.E.	BIOTECHNOLOGY	Dr. SHILPA SIVASHANKAR	Ms. AISWARYA K ANILKUMAR Ms. MANASA K Mr. PUJAN PRAKASH PATIL Ms. SHASHIKALA MALGAN	10,000.00
38.	45S_BE_3795	PRODUCTION OF SIDEROPHORE USING SUITABLE SOIL MICROORGANISMS FOR ITS VARIED AGRICULTURAL APPLICATIONS.	B.E.	BIOTECHNOLOGY	Dr. THRIVENI.V	Ms. MEDHA M N Mr. ROHITH SRUJAN Mr. SAI CHARAN Ms. PRATHIBHA S B	6,000.00
39.	45S_BE_1760	IOT BASED SOLAR TRACKING AGRICULTURE MONITORING SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. JAYALXMI H	Ms. MEGHA A JAGADAL Ms. JYOTHI V Ms. NANDINI K L Mr. SRIDHAR D S	7,000.00
40.	45S_BE_2288	HUMAN ACTIVITY RECOGNITION USING DEEP LEARNING WITH NEURAL NETWORKS FOR DASH CAMS AND STREET SURVEILLANCE	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. LOKANNA KADAKOLMATH	Ms. NAVYA N Ms. NIKITA SINGH Ms. PRIYA SINGH Mr. YASHI PRASAD	5,000.00
41.	45S_BE_4638	AIR QUALITY INDEX PREDICTION USING MACHINE LEARNING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. KARTHIKEYANA	Mr. BIBHAS NARAYAN JHA Mr. ABHISHEK SHARMA Mr. AYUSH KUMAR Mr. TUSHAR DUBEY	5,000.00
42.	45S_BE_3573	DESIGN AND FABRICATION OF MICROCONTROLLER BASED CENTRIFUGAL CASTING MACHINE	B.E.	MECHATRONICS	Mr. NAVEEN KUMAR S N Dr. DEVARAJAIAH R M	Mr. MUHAMMED RAMSHAD TM Mr. ABHINAND P Mr. AJITH KUMAR J MR. ASWIN GANGAN	8,000.00

Note:

- The sanctioned amount will be credited to the college bank account by NEFT.
- The evaluation of the above projects will be conducted via online mode during May / June 2022.
- Participation in the online evaluation process is mandatory, failing which the project will be considered incomplete and will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- After completion of the projects, a softcopy of the report prepared as per the format prescribed by RESPECTIVE UNIVERSITIES shall be uploaded (PDF format in a single file only) in the GOOGLE FORMS provided on the website.
- Any corrections with respect to the names of the guide and students shall be requested at spp@kscst.org.in.

Transaction Details:

NAME OF THE ACCOUNT	DATE OF TRANSACTION	DESCRIPTION	TRANSFERRED AMOUNT
ACHARYA INSTITUTES CMS A/C	20-06-22	NEFT DR- P171220175416333- YESB0000022- ACHARYA INSTITUTES CMS A/C-NEFT BY KSCST	41,000.00


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ACHARYA INSTITUTE OF TECHNOLOGY

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Approved by AICTE, New Delhi and Accredited by NBA

Grants Received - KSCST

44th Series of SPP-2010-2020

Sl.No.	Title of the Project	Guide & Students Details	Department	Duration	Sanctioned Amount
1	Swarm Drone Hot Battery Swapping	Prof. Bhagirathi S Telkar Mr. Rao Rakshith Umesh Mr. Subodh Sanil Mr. Supravo Ghosh Mr. Abdullah Anis	Mechatronics	6 month	7,000
2	Design And Development Of A Fully Electric Light Duty Vehicle	Prof. Sunilkumar A V Mr. Gurushant Koulagi Mr. Shashikumar G C Mr. D M Varun Mr. Gowthama Gowda R Mr. Talari Vijay Kumar	Electrical And Electronics Engineering	6 month	5,000
3	Seismic Analysis Of Bamboo Gridshell	Mr. Syed Faraz Siddique Mr. Varun K S Mr. T Hari Lokesh Mr. Abhishek Mr. Basava Kiran N	Civil Engineering	6 month	6,000
4	Smart Yield Predictor-Spy	Dr. Suneetha T.B Mr. N Mukund Balaji Ms. Sushmitha Nayak Ms. Shalini S Ms. Sharvari S	Biotechnology	6 month	6,000
5	Oxygen Level Analysis Using An Embedded System	Dr. Sujatha B M Mr. S Balasurya Mr. V Rahul Mr. Utkarsh S Joshi Mr. Suraj C	Electronics And Communication Engineering	6 month	7,000

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Acharya P. O., Bangalore-560 107.

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6	Synthesis Of Superabsorbent Polymer Using Agricultural Biomass For Slow Release Fertilizer Delivery In Soil	Dr. Suneetha T B Dr. K C Sharada Ms. Jhansi V	Biotechnology	6 month	7,000
Total					38,000

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Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 080-23341652, 23348840/48/49

44th Series of Student Project Programme: 2020-21

List of Student Project Proposals Approved for Sponsorship

7. ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE No.	PROJECT TITLE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN Rs.)
39.	44S_BE_3134	SWARM DRONE HOT BATTERY SWAPPING	MECHATRONICS	B.E.	Prof. BHAGIRATHI S TELKAR	Mr. RAO RAKSHITH UMESH Mr. SUBODH SANIL Mr. SUPRAVO GHOSH Mr. ABDULLAH ANIS	7000.00
40.	44S_BE_3472	DESIGN AND DEVELOPMENT OF A FULLY ELECTRIC LIGHT DUTY VEHICLE	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	Prof. SUNILKUMAR A V Mr. GURUSHANT KOULAGI	Mr. SHASHIKUMAR G C Mr. D M VARUN Mr. GOWTHAMA GOWDA R Mr. TALARI VIJAY KUMAR	5000.00
41.	44S_BE_3475	SEISMIC ANALYSIS OF BAMBOO GRID SHELL	CIVIL ENGINEERING	B.E.	Mr. SYED FARAZ SIDDIQUE	Mr. VARUN K S Mr. T HARI LOKESH Mr. ABHISHEK Mr. BASAVA KIRAN N	6000.00
42.	44S_BE_3480	SMART YIELD PREDICTOR-SPY	BIOTECHNOLOGY	B.E.	Dr. SUNEETHA T B	Mr. N MUKUND BALAJI Ms. SUSHMITHA NAYAK Ms. SHALINI S Ms. SHARVARI S	6000.00
43.	44S_BE_4324	OXYGEN LEVEL ANALYSIS USING AN EMBEDDED SYSTEM	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Dr. SUJATHA B M	Mr. S BALASURYA Mr. V RAHUL Mr. UTKARSH S JOSHI Mr. SURAJ C	7000.00
44.	44S_MTECH_017	SYNTHESIS OF SUPERABSORBENT POLYMER USING AGRICULTURAL BIOMASS FOR SLOW RELEASE FERTILIZER DELIVERY IN SOIL	BIOTECHNOLOGY	M.Tech	Dr. SUNEETHA T B Dr. K C SHARADA	Ms. JHANSI V	7000.00

Note:

- ☐ Transaction details of sanctioned amount of **Rs.38000/-** credited on **28th May 2021** by **NEFT DR- P148210110028762- ACHARYA IT OF TECH BLORE-SBIN0003024-BLR IISc**.
- ☐ The evaluation of above projects will be conducted during July / August 2021 via online mode and participation in the online evaluation process is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- ☐ Submit **softcopy of Synopsis in pdf (as per the format preferred in the KSCST website)** and report (PDF format in a single file) of project by **20th July 2021**, which will be uploaded in **KSCST SPP portal**.
- ☐ Synopsis and report must be named with Reference ID provided by KSCST (Eg: **44S_BE_0001**).

(Handwritten Signature)

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ACHARYA INSTITUTE OF TECHNOLOGY

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Approved by AICTE, New Delhi and Accredited by NBA

Grants Received - KSCST

43rd Series of SPP-2019-2020

Sl.No.	Title of the Project	Guide & Students Details	Department	Duration	Sanctioned Amount
1	Unusual Event Detection For Enhancing Security Using Cctv Surveillance	Prof. Chayapathi A R Ms. Kausalya N P Ms. Chaithanya C B Ms. Deepika K S Ms. Megha Bhargava	Information Science And Engineering	6 month	4,500
2	Smart System For Efficient Monitoring Of Grain Storage In Villages	Prof. Chayapathi A R Ms. Anitha A N Ms. Anusha V Mulgund Ms. Kavya Shree B.R Ms. M Anusha	Information Science And Engineering	6 month	5,500
3	Atmospheric Water Generator	Dr. Shadakshari R Mr. Ravikumar S Mr. Suraj R Mr. Sathwik I Shekhar Mr. Rahul I Hiregoudar	Mechanical Engineering	6 month	5,500
4	Paper Based Point Of Care Device For Early Diagnosis For Renal Carcinoma	Dr. Ashalatha Dr. Shilpa Sivashankar Ms. Yashaswini C	Biotechnology	6 month	7,000
5	Design And Fabrication Of Nano-Based Haemostatic Scaffold: In Vivo Studies	Dr. Suneetha T.B Mr. Piyush Pal Mr. Srijana Dey	Biotechnology	6 month	7,000

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Acharya P. O., Bangalore-560 107

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6	Intellicook- A Robotic Chef	Prof. Bhagirathi Mr. Gagan N Reddy Mr. Mithun R Mr. Hemanth N Mr. William Thomas	Mechatronics	6 month	7,000
7	Design And Development Of Unmanned Ground And Aerial Vehicle With The Concepts Of Integration Of Drone And Rover	Dr. Shivakumara Swamy Mr. Sangamesh S Sasnur Mr. Sai Prasanna G Mr. Bhrugumalla Naga Srikanth	Mechatronics	6 month	7,000
8	Autonomous Multitasking Agricultural Robot With Stairs Climbing Capacity	Mrs. Jayalaxmi H Mr T S Vijay Mr. Veeresh Mr. Ganesh R Mr. Narendra Reddy N J	Electronics And Communication Engineering	6 month	5,000
9	Flozen - Smart Fuel Flow Detection	Mr. Sreenath N Mr. Navin Bharadwaj Mr. Devi Prasad Mullapudi Mr. Isaac James Murali Mr. Shreyas S	Automobile Engineering	6 month	7,000
10	Study Of Entrepreneurial Opportunities In Conversion Of Biomass Wastes Into Useful Products And Their Effective Utilisation	Dr. Manjunath C Mr. Prabhakara Mr. Srikantha	Mechanical Engineering	6 month	5,500
11	Application Of Hatchery Waste In Development Of Noval Product	Dr. Suneetha T B Mr. K P Amarnath	Biotechnology	6 month	8,000

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12	Potential Use Of Algae Biomass For Lipid Production From Wastewater Treatment As A Biofuel Feedstock	Dr. T.B. Suneetha Ms. V.Varalakshmi	Biotechnology	6 month	7,000
Total					76,000

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KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

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43rd Series of Student Project Programme: 2019-20

LIST OF PROJECTS SANCTIONED AND DETAILS OF RELEASE OF SANCTIONED AMOUNT AFTER ONLINE EVALUATION OF PROJECTS

7) ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE(s)	NAME OF THE STUDENTS	SANCTIONED AMOUNT (In Rs.)	STATUS OF PROJECT	BALANCE AMOUNT RELEASED AFTER EVALUATION
39.	43S_BE_2624	UNUSUAL EVENT DETECTION FOR ENHANCING SECURITY USING CCTV SURVEILLANCE	INFORMATION SCIENCE AND ENGINEERING	B.E.	Prof. CHAYAPATHI A R	Ms. KAUSALYA N P Ms. CHAITHANYA C B Ms. DEEPIKA K S Ms. MEGHA BHARGAVA	4500.00	COMPLETE	2250.00
40.	43S_BE_2625	SMART SYSTEM FOR EFFICIENT MONITORING OF GRAIN STORAGE IN VILLAGES	INFORMATION SCIENCE AND ENGINEERING	B.E.	Prof. CHAYAPATHI A R	Ms. ANITHA A N Ms. ANUSHA V MULGUND Ms. KAVYA SHREE B R Ms. M ANUSHA	5500.00	COMPLETE	2750.00
41.	43S_BE_2635	ATMOSPHERIC WATER GENERATOR	MECHANICAL ENGINEERING	B.E.	Dr. SHADAKSHARI R	Mr. RAVIKUMAR S Mr. SURAJ R Mr. SATHWIK I SHEKHAR Mr. RAHUL I HIREGOUDAR	5500.00	COMPLETE	2750.00
42.	43S_BE_2638	PAPER BASED POINT OF CARE DEVICE FOR EARLY DIAGNOSIS FOR RENAL CARCINOMA	BIOTECHNOLOGY	B.E.	Dr. ASHALATHA Dr. SHILPA SIVASHANKAR	Ms. YASHASWINI C	7000.00	COMPLETE	3500.00
43.	43S_BE_2640	DESIGN AND FABRICATION OF NANO-BASED HAEMOSTATIC SCAFFOLD: IN VIVO STUDIES	BIOTECHNOLOGY	B.E.	Dr. SUNEETHA T B	Mr. PIYUSH PAL Mr. SRIJANA DEY	7000.00	COMPLETE	3500.00
44.	43S_BE_2644	INTELLICOOK- A ROBOTIC CHEF	MECHATRONICS	B.E.	Prof. BHAGIRATHI	Mr. GAGAN N REDDY Mr. MITHUN R Mr. HEMANTH N Mr. WILLIAM THOMAS	7000.00	COMPLETE	3500.00
45.	43S_BE_2646	DESIGN AND DEVELOPMENT OF UNMANNED GROUND AND AERIAL VEHICLE WITH THE CONCEPTS OF INTEGRATION OF DRONE AND ROVER	MECHATRONICS	B.E.	Dr. SHIVAKUMARA SWAMY	Mr. SANGAMESH S SASNUR Mr. SAI PRASANNA G Mr. BHRUGUMALLA NAGA SRIKANTH	7000.00	INCOMPLETE	NIL

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Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE(s)	NAME OF THE STUDENTS	SANCTIONED AMOUNT (In Rs.)	STATUS OF PROJECT	BALANCE AMOUNT RELEASED AFTER EVALUATION
						Mr. SANKETH V KHARVI			
46.	43S_BE_2649	AUTONOMOUS MULTITASKING AGRICULTURAL ROBOT WITH STAIRS CLIMBING CAPACITY	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Mrs. JAYALAXMI H	Mr T S VIJAY Mr. VEERESH Mr. GANESH R Mr. NARENDRA REDDY N J	5000.00	COMPLETE	2500.00
47.	43S_BE_2660	FLOZEN - SMART FUEL FLOW DETECTION	AUTOMOBILE ENGINEERING	B.E.	Mr. SREENATH N	Mr. NAVIN BHARADWAJ Mr. DEVI PRASAD MULLAPUDI Mr. ISAAC JAMES MURALI Mr. SHREYAS S	7000.00	COMPLETE	3500.00
48.	43S_BE_3154	STUDY OF ENTREPRENEURIAL OPPORTUNITIES IN CONVERSION OF BIOMASS WASTES INTO USEFUL PRODUCTS AND THEIR EFFECTIVE UTILISATION	MECHANICAL ENGINEERING	B.E.	Dr. MANJUNATH C	Mr. PRABHAKARA Mr. SRIKANTHA	5500.00	ABSENT	NIL
49.	43S_MTECH_030	APPLICATION OF HATCHTERY WASTE IN DEVELOPMENT OF NOVAL PRODUCT	BIOTECHNOLOGY	M.Tech	Dr. SUNEETHA T B Ms. BINDU DAMODRAN	Mr. K P AMARNATH	8000.00	INCOMPLETE	NIL
50.	43S_MTECH_031	POTENTIAL USE OF ALGAE BIOMASS FOR LIPID PRODUCTION FROM WASTEWATER TREATMENT AS A BIOFUEL FEEDSTOCK	BIOTECHNOLOGY	M.Tech	Dr. T.B. SUNEETHA	Ms. V.VARALAKSHMI	7000.00	COMPLETE	3500.00

NEFT TRANSACTION DETAILS OF SPONSORED PROJECTS UNDER 43RD SERIES OF STUDENT PROJECT PROGRAMME

Sl. No.	Name of the College	Total No. of Projects Sanctioned	Total Project Grant Sanctioned (Rs.)	BATCH 1 (Amount released before evaluation)				BATCH 2 (Amount released after evaluation)			
				Project Grant Released (Rs.)	Total No. of Projects Sanctioned	Transaction ID	Transaction Date	Project Grant Released (Rs.)	Total No. of Projects Sanctioned	Transaction ID	Transaction Date
7	ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU	12	76,000	38,000	12	P20060399563548	03-06-2020	27,750	9	P20091852178481	18-09-2020


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