



Date: 05/07/2024

**Proposal**

**Subject:** To organize the “SANKALP’24 (8-hour Hackathon)”

IEEE Student Branch AJIET is organizing the “SANKALP’24 (8-hour Hackathon)” on 13.07.2024 9:00 AM – 6:00PM, for the Engineering Students of Udupi and Dakshina Kannada District. The main objective of the event is to create an innovative & Problem-Solving capability among students, to provide a formal platform for students to demonstrate and communicate about their ideas and encourages innovative thinking towards sustainable solutions.

**Mapping to Program Outcomes (PO's):** The event is relevant to **PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO9, PO10, PO11, PO12**

**PO1 Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

**PO2 Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural science and engineering sciences.

**PO3: Design/Development of Solutions:** The ability to design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

**PO4: Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO5: Modern tool usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

email: dean@ajiet.edu.in



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**PO6: The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**PO8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.


**PO9: Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.

**PO10: Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO11: Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO12 Life-long Learning:** Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

  
**Coordinator**

  
**Dean Academics**

  
**Principal**

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Date: 12/07/2024

## Circular

IEEE Student chapter of AJIET is organizing the 8-hour Hackathon "SANKALP'24" on 13.07.2024 9:00 AM – 6:00PM, for the Engineering Students of Udupi and Dakshina Kannada District. Participants must adhere to the timings and involve actively.

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Kottara Chowki, Mangaluru



A J Institute of Engineering and Technology  
IEEE Student Branch

We cordially invite you to the Inauguration of

# **SANKALP'24**

Concept to Creation

(8 Hours Hackathon)

by

**Dr. P Mahabaleswarappa**

Dean-Academics, AJIET

Presided by

**Dr. Shantharama Rai C**

Principal, AJIET



13 July 2024  
9:00 AM



Seminar Hall-1

## **Organizing Committee Members**

IEEE Student Branch, AJIET

## **Our Patrons**

**Dr. A J Shetty**

President, LMET

**Mrs. Sharadha Shetty**

Director, LMET

**Mr. Prashanth Shetty**

Vice President, LMET

**Dr. Prashanth Marla K**

Medical Director, AJHRC

**Dr. Amitha P Marla**

Director(Admin), AJHRC

**Mrs. Ashritha P Shetty**

Director, LMET





Date: 15-07-2024

## Report on SANKALP'24 (8-hour Hackathon)

Name of the Program:	SANKALP'24 (8-hour Hackathon)	Program Dates & Timings:	13.07.2024 9:00 AM – 6:00PM
Organized by	IEEE Student Branch AJIET		
Number of Participants	34 Teams		
Coordinators	Dr. Gnane Swarnadh Satapathi , Mr. Manjukiran , Mr. Suhandas		

### **About the Program:**

IEEE Student chapter of AJIET organized an 8-hour Hackathon called SANKALP'24 for Engineering Students of Udupi and Dakshina Kannada District.

The event was organised in 2 Phase:

Phase 1: Submission of Idea

Phase 2: Build the Submitted Idea

During Phase 1 the students were asked to Submit the Idea for the Hackathon by 01.07.2024 and Submitted ideas were Scrutinised and informed the students to build the idea with little/ no modifications.

Phase 2 of event was Organised on 13.07.2024, were 8-hour Hackathon started with a inauguration by Dean Academic Dr. P. Mahabaleswarappa and presided by Principal Dr. Shantharama Rai C.

Different Ideas related to Healthcare, nature and Education were build/ designed by the Students. At the End the day, Event was Judged by Industry Experts and Prizes Were Distributed by Dean Academic Dr. P. Mahabaleswarappa

Judges Teams Consisted of:

Mr. G K Bhat Kakunje, CEO & MD, Kakunje Software.

Mr. Lohith B , Automation Analyst, Novigo Solutions Pvt. Ltd.


Ms. Chandana I K, Asso. Software Engineer, Robosoft Technologies Pvt. Ltd.

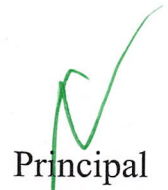
Total 34 teams were Presented and 1<sup>st</sup> Place is bagged by Team from SMVITM and 2<sup>nd</sup> Place bagged by Team from PACE

  
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Coordinator

  
Dean Academics

  
Principal

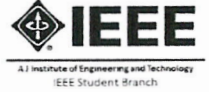
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**SANKALP'24 (8-hour Hackathon)**

**Result Sheet**

Prize	Team members	Idea	College
1	Rahul Mendon, Akshay Nayak , Pratham L Kamath	Nav Vikas	SMVITM
2	Abdul Mausooq, Ahmad Thameem, Aakil Mohammed	Meta Campus	PACE

  
(coordinator)

  
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### Total Expenditure of SANKALP'24 (8-hour Hackathon)

Sl. No	Item	Amount
1.	Prize Money 1 <sup>st</sup> Place – 5000 2 <sup>nd</sup> Place -4000	9,000
2.	Stationary Items Note Pad, Pen , Banner, Certificate , Bouque , Memento	6,960
3.	Remuneration for Judges	9,000
4.	Food	5,245
<b>Total</b>		<b>30,205</b>

Prize Amount Has Been Sponsored by Industry: 9,000/-

Registration Fee Collected: 3900/-

*Amount to be Sanctioned from IEEE Account: 17,305/-*

  
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From,

Manjukiran

IEEE Branch Counsellor

AJIET

16.07.2024

To,

The Principal

AJIET

Respected Sir,

Sub: Request to Sanction Amount towards SANKALP'24 from IEEE Account

IEEE Student Branch has Organised 8-Hours hackathon SANKALP'24 on 13.07.2024, Saturday. The Expenditure details along with bills same has been attached along with this letter.

I Request you to Sanction Rs. 17,305/- from IEEE account.

Thanking you,

Yours Faithfully,

  
(Manjukiran )

  
**Principal**  
**A.J. Institute of Engineering & Technology**  
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## SANKLAP'24 Feedback Form (8 Hour Hackathon)

13.07.24

Please rate the quality of your experience at the hackathon

	Poor	Fair	Good	Very good	Excellent
Pre-hackathon information			✓		
Working in your team				✓	
End-of-day presentations				✓	
Scientific support provided			✓		
Time Provided				✓	
Post Event Follow-up				✓	



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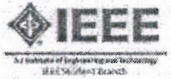
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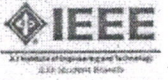
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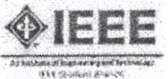
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
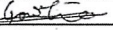



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**SMVITM, BANTAKAL**



Sl. No	Branch	Name of the Team	Contact Number	Title of the Idea Submitted	Sign
3 1	ECE	Dhanush Kumar	9353416928	Automatic Bell Ringing System	Dhanush Kumar
3 2	ECE	Sharmila	8147240862	Electric Wheel Chair Controlled Through Voice.	Sharmila
3 3	ECE	Dhanush Devadas Shasthri	7204436424	LoRa-Enabled Smart Agriculture IoT System for Soil NPK Management and Environmental Monitoring in Network-	Dhanush Devadas Shasthri
3 1	CS Allied	Vishrutha	6361441895	Dog breed detector with BCS Calculation	AR
3 2	CS Allied	Adithi Nayak	8762679805	Healthcare Management System (HMS)	Adithi
3 3	CS Allied	Akshay Nayak	8108146387	Nav Vikas	Akshay

  
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**VCET, Puttur**



Sl. No	Branch	Name of the Team	Contact Number	Title of the Idea Submitted	Sign
3 1	CS Allied	Daksha Nilesh Fadthar	9740429179	Enhancing and quality of personalised financial planning and advisory services	
2 2	CS Allied	Gowtham k	7411297214	Bamboo classification using deeplearning	
3 3	CS Allied	Abhishek V	8951402212	Animal breed detection	
3 4	CS Allied	Balasubrahmanya	9591473526	Image_Immersion	
5	CS Allied	Mahesh P K	8762525638	Interactive Webinar Solution	

P A College of Engineering, Mangaluru


Sl. No	Branch	Name of the Team	Contact Number	Title of the Idea Submitted	Sign
1 ✓	CS Allied	Ahmad Thameem	8867575821	Metacampus	
2 ✓	CS Allied	Haneen	8129149708	Secure chain	

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

**Moodlakte Institute of Technology, Kundapura**

Sl. No	Branch	Name of the Team	Contact Number	Title of the Idea Submitted	Sign
1	ECE	Fatima Tahsir	9742937377	Ripening of fruits using controlled temperature and humidity	
1	CS Allied	Mohammed Shaikh Azeem	9164833514	A software that will help student with their study preparation	

Canara Engineering College					
Sl. No	Branch	Name of the Team	Contact Number	Title of the Idea Submitted	Sign
1	ECE	Akruti Shetty	7676361334	<sup>ATM simulator</sup> Application that tracks bus location and availability.	<i>Akruti</i>
2	ECE	K Sushmitha Pai	6362665189	Development of a job web portal to improve unemployment	<i>K Sushmitha</i>
3	CS Allied	Anshu shetty	8217406323	Smart Edu-Tracker	<i>Anshu</i>
4	ISE	Harsha Shyam Bhat	9663874770	AI powered medical solutions.	<i>Harsha</i>
5	ISE	Payal	8050853765	Intelligent Workspace Solutions(FocusStation)	<i>Payal</i>
6	CS Allied	Lalith G Salian	9148273470	AI education advisor	<i>Lalith</i>
7	CS Allied	Thanvi, Ujwal,	9481649432	Areanut Disease classifier	<i>Thanvi</i>
8	CS Allied	LAKSHYA	9632556799	Speech to Regional Language Translator with dictionary lookup	<i>Lakshya</i>
9	CS Allied	Naveen	7795122039	Smart Grading System	<i>Naveen</i>

  
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**YENEPOYA INSTITUTE OF TECHNOLOGY**

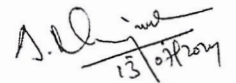
Sl. No	Branch	Name of the Team	Contact Number	Title of the Idea Submitted	Sign
3 1	ISE	Naveen Joy	9483985321	AI Powered Supply Chain Management	N. Jy.
2 2	CS Allied	Faiza P V	80892 51004	Mental health bot or detection	
3 3	CS Allied	Janmitha V Bangera	9980744369	Pulseo2	

*(Handwritten signatures and initials)*

1. Naveen Joy - For Phishing Detection : Cyber Security
2. Faiza PV - Hydroponic nutrient management.

A J Institute of Engineering & Technology					
Sl. No	Branch	Name of the Team	Contact Number	Title of the Idea Submitted	Sign
1	ECE	Sourav A S	8050923919	Smart IoT-based CCTV System Using ESP32-CAM for Home Security	
<del>3</del>	ECE	Anjelo Gigi	7909215001	Smart glove for partially paralyzed patients	<del></del>
<del>3</del>	ECE	V Jayesh	9686138960	Menstrual Pad Monitoring System	<del></del>
1	CIVIL	MJ SAKTHI MAGENDHIRAN	7975515029	Sustainable ecofriendly plastic packages alternative for Liquid packages	
<del>1</del>	CS Allied	Keerthana	8217882430	career guidance website	<del></del>
2	ISE	Shravya M R	8792145449	Pulseblood	
<del>3</del>	ISE	Nischal shetty	7019647387	EZOrder: Instant Food Ordering	<del></del>
<del>4</del>	CS Allied	Arjun R	9019934133	Event tracking website	<del></del>
<del>5</del>	CS Allied	Nishitha	9663809232	Women Safety App with Real-Time Tracking and Emergency Alerts	

  
**Principal**  
**A.J. Institute of Engineering & Technology (Coordinator)**  
**Mangaluru - 575 006**

  
 13/07/2024

