



## **RESEARCH & DEVELOPMENT SECTION**

### **ACADEMIC YEAR 2022-2023 (EVEN)**

#### **KINGS PROJECT EXPO'23**

#### **About Project Expo'23**

Project expo'23 was organized in association with IEEE-STB16621, Chennai & ISTE on 04.05.2023. This project expo aims to encourage the students' creativity and innovations on Engineering & Technology. Dr. P.P.Shantharaman, DRC Convenor, welcomed the gathering.

Dr.J.Arputha Vijaya Selvi, Principal, inaugurated the expo and delivered the inaugural address. In her speech, she emphasized the significance of innovations in projects.

Mr.T.Pasupathi, AP/ECE, introduced the chief guest Mr.Rajkumar Kalaimani, Senior Engineer, Altimetrik, Chennai. Mr.Rajkumar Kalaimani delivered a keynote address on current scenario in IT sector. Dr. S. Sivakumar, Vice Principal, delivered the felicitation address. He insisted the students to enhance their technical knowledge both in software and hardware. The inaugural session ended at 10:50 am. After the inaugural session project expo were conducted individually by respective departments from 11:00 am onwards.

The projects of internal and external students were evaluated by senior faculty members of every department nominated as jury's. Totally 62 batches participated in the project expo. Jury's evaluated the projects and gave feedback & valuable comments to the students. Based on the innovation, presentation, implementation and demomarks was awarded by the jury's. Two projects were selected for rewards from each department. One project was selected for the **Best Project Award** from all disciplinary.

The valedictory ceremony of the project expo was started at 01:30 pm at Pallava Hall. Dr.R.Rajendran, Secretary, distributed the prizes and certificates to the participants. The cash prize was given to the best project award winners. Project Expo came to an end with vote of thanks by Dr.P.Narasimman, AP/EEE.

### Outcomes of the Project Expo'23

Experts evaluated the student's projects and gave their valuable remarks and feedback on the topic of the project and interacted with students about how to improve the quality of the work and project at large scale.

Students were able to

- Efficiently present their ideas.
- Design the project with all technical aspects.

### Participant Details:

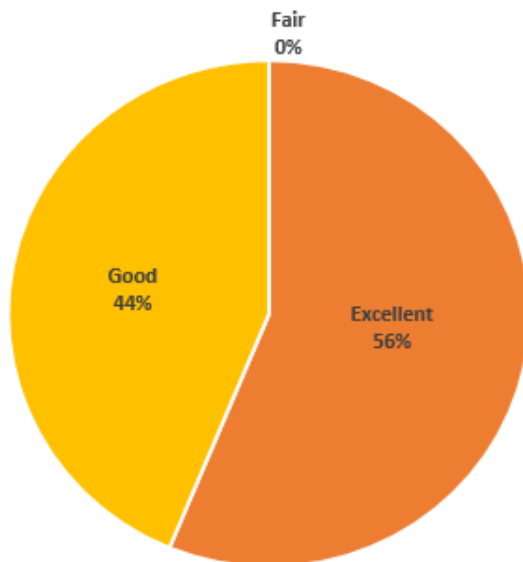
S.No.	Department	Internal Batches	External Batches	Total
1.	CIVIL	07	-	07
2.	CSE	20	01	21
3.	ECE	10	01	11
4.	EEE	08	01	09
5.	MECH	12	02	14
<b>Total</b>		<b>57</b>	<b>05</b>	<b>62</b>

### Details of Prize winners:

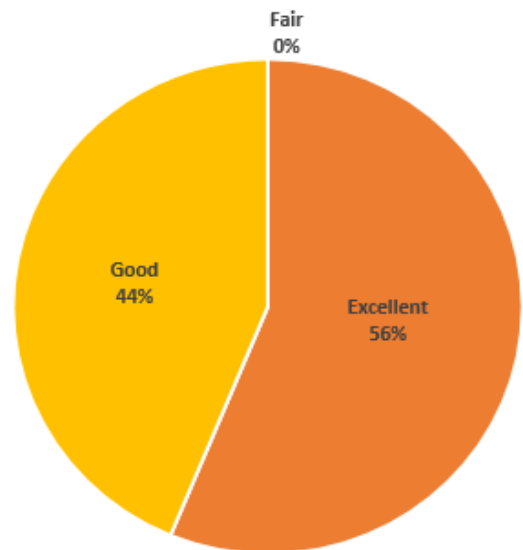
S.No	Department	Name of the Participants/College	Title of the project
1.	Best Project Award	A.Maria Merlina, A.Maria Vayolina, V.Aravinth, St.Joseph's College of Engg. and Technology, Thanjavur	Design and Implementation of E-Boat using Renewable Energy and Battery Management
2.	Civil Engineering	<b><u>First Prize</u></b> S.Anbumani, M.Arunkumar M.Jayaseelan Kings College of Engineering	Experimental Investigation on Partial Replacement of Fine Aggregate in Concrete Using Ecofriendly Plastic and Concrete
		<b><u>Second Prize</u></b> R.Kuralarsan, F.Danielnave R.Karthikeyan Kings College of Engineering	Development of Low-Cost Bio-Mineralized Bacterial Baggage Ash Bricks
3.	Computer Science & Engineering	<b><u>First Prize</u></b> K.Varun, A.B.Arudaiyappan K.Govindharajan A.Mohamed Yazir Kings College of Engineering	Sign Language Interpreter
		<b><u>Second Prize</u></b> J.Fasila Afreen, S.Suruthi R.Aarthi Kings College of Engineering	Multiple Discase Predication System using Machine Learning
4.	Electronics Communication Engineering	<b><u>First Prize</u></b> S.Gayathri, S.Ramana Bharathi K.Renuka, SM.Swethaa Kings College of Engineering	AI based Border Security System using IoT
		<b><u>Second Prize</u></b> K.Gayathri, K.Ishwarya K.Saraswathi Kings College of Engineering	IoT based Intelligent Surveillance System using Raspberry Pi.
5.	Electrical & Electronics Engineering	<b><u>Second Prize</u></b> A.Sarathkumar, B.Yugeshwaran Kings College of Engineering	Smart Energy Meter and Power Theft Control using Arduino & GSM Technology
6.	Mechanical Engineering	<b><u>First Prize</u></b> R.Sharon Chisha, H.Sarveshwaran T.Robin Mathew Kings College of Engineering	Production & Energy Management
		<b><u>Second Prize</u></b> S.Praveen Kumar R.Veeramani, G.Aravindhan K.R.Ashokkumar Kings College of Engineering	Oxidation behavior of SS316 under molten salt environment at elevated temperature

## Feedback Analysis:

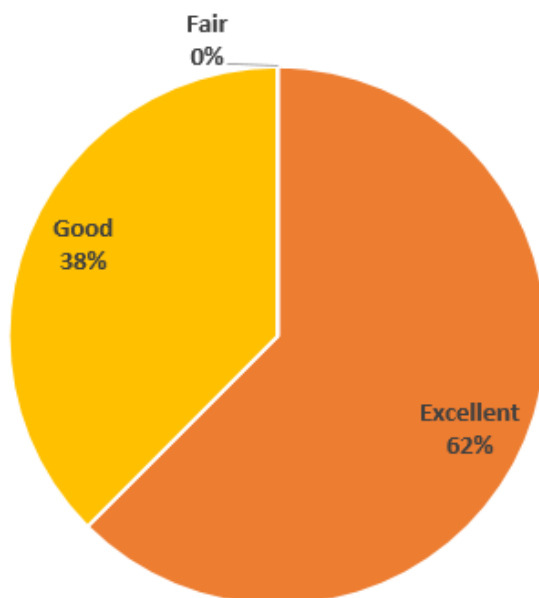
**a) Planning and organization of the project expo**



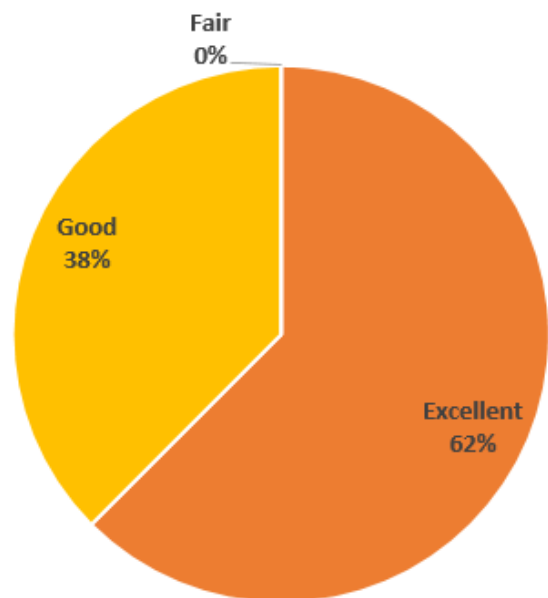
**b) The facilities were appropriate**



**c) The purpose of the project expo was met**



**d) Over all event**



## Sample Feedback Form

# Kings College of Engineering

Feedback Form -Project Expo 23

\* Indicates required question

Email \*

mariamerlina45@gmail.com

Title of the Project \*

Design and implementation of e-boat using renewable energy & battery management system

Mobile Number \*

7530038678

Name of the Participants (separate comma) \*

A.Maria Vayolina,V.Aravinth

Department \*

- ☐ CIVIL
- ☐ CSE
- ☐ ECE
- ☒ EEE
- ☐ MECH
- ☐ OTHERS

Name of the Institution \*

St.joseph college of engineering and technology

Kindly respond to the following questions by using the rating scale below. \*

	Excellent	Good	Fair
Planning and organization of the project expo	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
The facilities were appropriate	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
The purpose of the project expo was met	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Over all event	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Any other suggestions

Good atmosphere

## Glimpses of the Project Expo'23



**Inaugural Ceremony of Project Expo'23**



**Welcome Address by Dr. P.P. Shantharaman, DRC Convenor, KCE**





**Lighting of Ceremonial Lamp**



**Honouring the Chief Guest**



**Inaugural Address by Dr.J.Arputha Vijaya Selvi, Principal,KCE**



**Chief guest introduction by Mr. T. Pasupathi, AP/ECE, KCE**

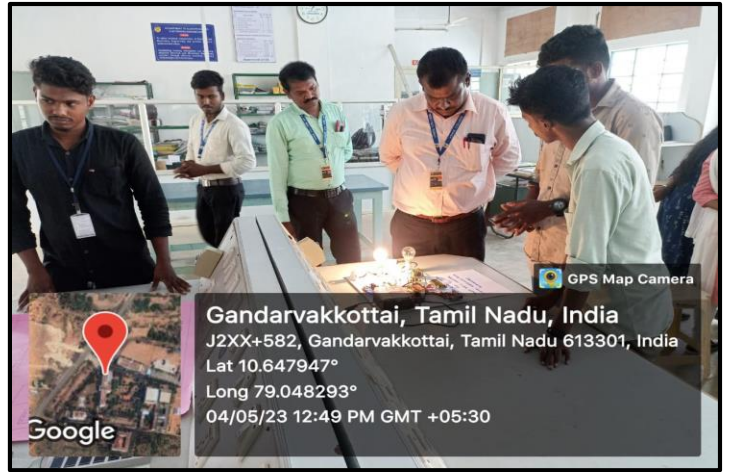
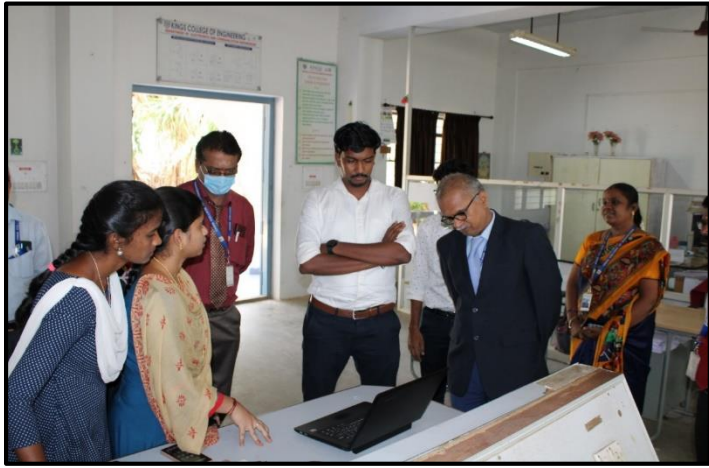




**Chief Guest Address**



**Felicitation by Dr. S. Sivakumar, Vice Principal, KCE**



**Participants demonstrated their projects in front of the jury's**



**Valedictory Session of Project Expo'23**





**Certificate Distribution by Dr.R.Rajendran, Secretary, KCE**



**Vote of Thanks by Dr.P.Narasimman, AP/EEE, KCE**

1. P. Nommery 19/5/20
2. T. Pasman 20/5/20

## Project Expo Coordinators

*r.o. Sal* 19/5/23

## DRC Convener

J. P. P. P.  
19/5/2027

Principal