



KINGS
COLLEGE OF ENGINEERING
An Autonomous Institution

Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai
Recognized under 2(f) & 12B, UGC
NAAC Accredited Institution

KINGS PROJECT EXPO'2024

Organized by

Center for Promotion of Research

Center for Promotion of Research in association with IEEE STB 16621 organized KINGS PROJECT EXPO' 2024 on 03.05.2024. This project expo aims to encourage the students' creativity and innovations on Engineering & Technology. Dr.S.Sabanayagam, CPR Member & Associate Professor / Mechanical Engineering, 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.J.Niranjan Samuel, JRF/R&D, introduced the chief guest Mr. M. I. Abdul Halik, Secretary of IEEE Madras Young Professionals, Chennai. Mr. M. I. Abdul Halik delivered special address on importance of IEEE membership and his IEEE membership journey. Also he shared his memories as Passion to Progress: My IEEE Member Experience. Dr. S. Sivakumar, Vice Principal, delivered the felicitation address. He insisted the students to enhance their technical knowledge both in software and hardware. The projects of internal and external students were evaluated by senior faculty members of every department nominated as jury's. Totally 70 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 demonstration marks were awarded by the jury's. Two projects were selected for rewards from each department. The valedictory ceremony of the project expo started by 01:30 p.m. at Pallava Hall. Dr.R.Rajendran, Secretary of the college distributed the prizes and certificates to the participants. Project Expo came to an end with vote of thanks by Ms. S. Abikayil Aarthi, AP/CSE cum Event Coordinator – IEEE MAS YP and Secretary – IEEE STB 16621.

Participant Details:

S.No.	Department	Internal Batches	External Batches	Total
1.	CIVIL	04	-	04
2.	CSE	20	-	20
3.	ECE	03	-	03
4.	EEE	11	02	13
5.	MECH	19	-	19
6.	S&H	01	-	01
Total		58	02	60

Details of Prize winners:

S.No	Department	Name of the Participants/College	Title of the project
1.	Civil Engineering	First Prize P.Kathireswari J.Kiruthika sri J.Niksha Kings College of Engineering	Experimental Investigation on Partial Replacement of cement by seashell powder in concrete.
		Second Prize G.Bharath U.Hariharan M.Joshuva N.Krishnakanth Kings College of Engineering	Experimental analysis of recycled construction and demolition waste as partial replacement of coarse aggregates in concrete.
2.	Computer Science & Engineering	First Prize S.Mohammed Sameer S.Dinesh S.Sarvesh D.Guhan Kings College of Engineering	Spoton: A Hassle Free Car Parking System for smart cities using block chain technology
		Second Prize K.kayalvizhi S.Keeethiga V.Mahalakshmi Kings College of Engineering	Deep Learning with optimal Hierarchical spiking Neural Network for Medical image classification
3.	Electronics Communication Engineering	First Prize Natika K S Nivya P Priyadharshini J Vennila D Kings College of Engineering	Design And Implementation Of Robotic Spray Machine Using Artificial Intelligence
		Second Prize Devadharshini B Dhivya dharshini M Preethi S Swathi shuki M Kings College of Engineering	Design And Implementation Of Iot Based Non-Invasive Blood Pressure Monitoring

4.	Electrical& Electronics Engineering	First Prize Akash.A Harikumar.K Mesia Godwin.F Varsha.R Kings College of Engineering	Self generated E-Train modelling for future technology.
		Second Prize Dhivakar.S Morishkumar.S Guruprasath.N Ponnagaraan.M.G Kings College of Engineering	Power generation.
5.	Mechanical Engineering	First Prize Prakash K Jegan K Lalithkumar E Mahendran M Kings College of Engineering	Designing a joystick operated tricycle for person with disability.
		Second Prize Eraniyan K Arunkumar M Manoj kumar R Hariharan K Kings College of Engineering	Fabrication of development of a Remote Controlled scrap collecting vehicle for industrial applications.
6.	S&H	First Prize Swetha S Ashviniya A Praveen V Vinodhini A	Geothermal power plant



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IEEE
INSTITUTIONS ENGINEERING COUNCIL

KINGS PROJECT EXPO'24
03.05.2024 | FRIDAY | 10:00A.M.
Organised by
Centre for Promotion of Research

Chief Guest
Mr. Abdul Halik,
Secretary,
IEEE Madras Young Professionals
Chennai

Pallava Hall *All are Invited*

Mr. D. Nandakumar, AP/Civil
Mr. J. Niranjan Samuel, JRF/R&D
Dr. P. P. Shantharaman
Head/CPR
Dr. J. Arputha Vijaya Selvi
Principal
Dr. R. Rajendran
Secretary

Invitation



Chief guest invitation



Welcome Address by Dr.S.Sabanayagam



Honouring the Chief Guest



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



Chief Guest Address



Participants demonstrated their projects in front of the jury's



Participants demonstrated their projects



Valedictory Session of Project Expo'24



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

Outcomes of the Project Expo'24

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.

D. Narasimhan
Project Expo Coordinators
10/7/24

P. R. S. H.
DRC Convener
10/7/24

J. Ramesh
Principal
10/7/2024