

Innovation and Entrepreneurship Forum (IEF@KEC)

Proof of Concept (PoC) 2021-22

PERUNDURAI, ERODE – 638 060

Academic Year	: 2021 - 2022
Quarter	: I
Program Type	: INTRA COLLEGE EVENT
Program Driven by	: Innovation and Entrepreneurship Forum (IEF@KEC)
Program/Activity Name	: Proof of Concept (PoC) 2021
Program Theme	: Entrepreneurship and Innovation
Start Date	: 01/11/2021
End Date	: 02/11/2021
Number of student Participants	: 534
Number of Events	: 1
Number of Faculty Participants	: 16
Number of External Juries	: 13
Expenditure Amount, if any	: Rs.1,10,000
Mode of session delivery	: Physical

OVERVIEW:

OBJECTIVE:

Intra College level event "**Proof of Concept (PoC)-21**" is organized in all Department Institution Innovation Council (IIC) on 01st & 2nd November 2021 through physical mode. This event is organized to bring out the cost effective solutions in order to solve industrial & field problems. On the whole the event aims to showcase student's interest towards innovation ecosystem with a competitive spirit on their idea.

TECHNICAL EVENT:

- Project Presentation : 292 Teams

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EVENT DESCRIPTION:

In order to convert Idea to a product development an Idea contest is proposed by Innovation and Entrepreneurship Forum in association with each and every department - IDEATHON 2021. In this context, an idea presentation event is held on 28.09.2021 and 29.09.2021. Totally 292 teams of ideas were registered for the program, 277 students from Second year, 164 from Third year & 93 from Final years have participated. A Review panel consisting of evaluators from external and internal members is framed to evaluate the efficiency of the Idea / problem statement. Students have discussed some real world problems. Based on the significance & presentation, Top 10 ideas were selected for the "Proof of Concept (PoC)-22". Total teams were evaluated by external and internal jury members for their novelty and proof of concept. Based on the evaluation, Top 3 teams were awarded with cash prizes.

BROCHURE/CIRCULARS (IF ANY):



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PRESENTATION:



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EVALUATORS:

NAME OF THE DEPARTMENT	NO.OF .TEAMS FROM RESPECTIVE DEPARTMENTS	EVALUATORS: INTERNAL AND EXTERNAL JURIES
CIVIL ENGINEERING	11	Ln. Er. K.S. Kathires., BE, PGP ACM., LBS Shri Kariakali Amman Constructions, Mr. Sekar Vasantham Builders, Erode.
COMPUTER TECHNOLOGY (UG)	18	<u>Ms. C. Gowri, Dr. S .Karunakaran, D. Hemalatha</u>
MECHATRONICS	30	Mr.S.K.Dinesh Kumar, Professor in Bannari Amman Institute of Technology
COMPUTER SCIENCE ENGINEERING	50	<u>Mr.S.Sangameshwaran, Dr.N.RenukaDevi, Dr.C.Menaka</u>
ELECTRICAL AND ELECTRONICS ENGINEERING	27	Mr.Obuli Raj, Technical specialist, Robert Bosch
MECHANICAL	50	Mr.V.VISHNUH, DESIGN & QUALITY CONTROL ENGINEER, GAS FLOW SOLUTIONS, BELGIUM . Mr.V.SUBHAN, CEO,JAYANTHI PLASTICS, ERODE
CHEMICAL ENGINEERING	33	Mr.A.Rajasekarn, Technical Director, Zigma Global Environmental solutions, Erode. Dr.K.Senthil Kumar Associate Professor Department of Chemical Engineering
INFORMATION TECHNOLOGY	10	Mr.Mohankumar.S Lead Data Engineer, Presido, Chennai. Mr.Madhan .C Software Developer, IBM, Chennai Mr.Karvendhan Software Consultant, Thoughtscres Software Ltd ,Bangalore

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ELECTRONICS AND INSTRUMENTATION	34	Mr.B.BHARANIDHARAN, SENIR ENGINEER VED STEELSECTOR (ESL) ,BOKARO ,JHARKHAND Mr.T.VIGNESH PRABHU CO-FOUNDER & CTO, NATIVE GURU
COMPUTER TECHNOLOGY(PG)	29	Dr. G. R. Sreekanth & Ms. S. Deepa Ms.R.Janani(IBM),Ms.A.Aarthi(firat Qa systems),Ms.G.Chitra(TCS).

LIST OF WINNERS:

NAME OF THE DEPARTMENT	POSITION SECURED	PROJECT NAME	TEAM MEMBER'S
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CIVIL ENGINEERING	1	MEDICAL WASTE SANITIZATION	PEERZADA FAIZAN RASOOL
	2	PLASTIC PAVER BLOCK	PRABHU T
	3	WIZARD SCREED PANEL	GOWTHAMAN.G
MECHATRONICS	1	LOW-COST SALT INDUSTRY AUTOMATION	ARIYA MANICKAM.M KEERTHANA S K JEEVARAJ S LAVANYA.M ABDUL AATHIF.N SOWNDARIYAN
	2	AUTOMATIC SPONGE POCKETING MACHINE	MADHUMITHA P GOKUL C GOWTHAMSHANKAR M RASWIN VELLIGIRI SRIHARI PRASATH
	3	AUTOMATIC SUGARCANE PLANTING MACHINE	NAVEEN KUMAR. S MUKSHIN HABIL R SHIVAKARTHICK S SARAN T RAHUL M SACHIN

COMPUTER SCIENCE ENGINEERING	1	DIGITAL SCORER	JAINTH A (20CSR077) LOGESHWARAN.A (20CSR108) GUGHAN.R (20CSR069) KEERTHI.J (20CSR095)
	1	PERSONALIZED THERAPY AND TRAINING SESSIONS	MUKIL M (20CSR128) MURALIDHARANN S S (20CSR130) MUHAMMEDASHRAF S (20CSR127) NISANTH D (20CSR139)
	2	PICSHARE	SABAREESH A H (20CSR173) NIKASH J (20CSR138) SADHASIVAM K V (20CSR176) PRAKASHRAJ (20CSR149)
	2	THEFT AND THEIF IDENTIFICATION BY DEEP LEARNING	NAVANEETHA KRISHNAN V R (20CSR135) RAKESH R J (20CSR163) SANCHITH C S (20CSR182) SANJAY B (20CSR183)
	3	MEDI-QUICK	GOWTHAM V (20CSR067) KAVYA SHRUTHI V (20CSR094) KARUPPUCHAMY R (20CSR088) KIRUBAAHARAN S (20CSR098)

ELECTRICAL AND ELECTRONICS ENGINEERING	1	AN ENABLED MULTIPURPOSE ROVER FOR HARVESTING AND FARMING OF CLIMBER VEGETABLES	SRIDHAR U ROHITH T NAVIN RAJSK NITHISH IR
	2	ECONOMICAL AND PORTABLE COCONUT DEHUSKING MACHIE FOR SMALL SCALE FARMER'S	SIBIKKRISHNA N SOWBRAN TS NIRANJANRS
	3	MULTIPURPOSE DRONE	KAVININ S MADHAN KUMAR R M MAHENDRA PRASAD R MANIKANDAN M
MECHANICAL	1	LINEAR MOTION HUMIDIFIER FOR MUSHROOM CULTIVATION	SHARAN K
	2	ROAD SAFETY DEFENDER USING AI	YOGESHWARAN S
	3	DESIGN AND FABRICATION OF SYSTEM TO BLOCK THE REVERSE FLOW IN INTRAVENOUS LINE	SANJAY RAJU J

CHEMICAL	1	Manufacture of wet wipes from the part of Karuvelam tree (prosopis juliflora)	Harithalakshmi
	2	Biocomposites derived from cashewnut shell	S.Sakelan
	3	Manufacture of soap from goat milk	Sujith.M.P.

INFORMATION TECHNOLOGY	1	Automated Coconut Farm Waste Picker	Lyall S (191TR043) Akshayanivashini CV (191TR004) Harshini A (191TR026)
	2	Detecting Impersonators in Examination Centre	Krisvanth P (201TRO55) Aathavan S (201TR001) Hariyini R (201TR035)
	3	Driver Availability app	V.U.Shriram Prasath (201TR096) N.Methun Chakkaravarthi (201TR063) L.Srinithi (201TR098)

COMPUTER TECHNOLOGY (UG)	1	IOT based water quality monitoring system for Residential application	S. Sindhu -19BCR052 P. Dharani- 19BCR010 Gokulbharani D S- 19BCR017 Naren DK - 19BCR033 S. Swetha Nachiyar 19BCR057
	2	Fault diagnosis and small wind turbine monitoring using Arduino	K.S.Jamuna 19BIR018Anbarasu S, 19bir003 Brindha S, 19BIR007 Kaviya Sri T A, 19BIR024
	3	Public Transportation Sensor	Elsia M 20BCR012 Hema Varshini .P 20BCR016
ELECTRONICS AND INSTRUMENTATION	1	DLG(Dry Leaves Gas)	RAJESH KANNA. K(20EIR063) SANGAVI.B(20EIR069) RAJARAGHAVENDRAA.S.K (20EIR061)
	2	Smart Wireless COVID Sterilizer	DINESH KUMAR P (20EIR017) GURUPRASATH.K (20EIR023) DEEPHIGHA.T (20EIR014)
	3	Climber Vegetables Detector Com Analysis Machine	MAITHRA S (20EIR044) MANOS (20EIR045) HEMACHANDIRAN NS (20EIR026)