

**Principal** 

Ms B Pavithra, S&H

Ms K Monisha, SoM

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## **SKCT RANKING**





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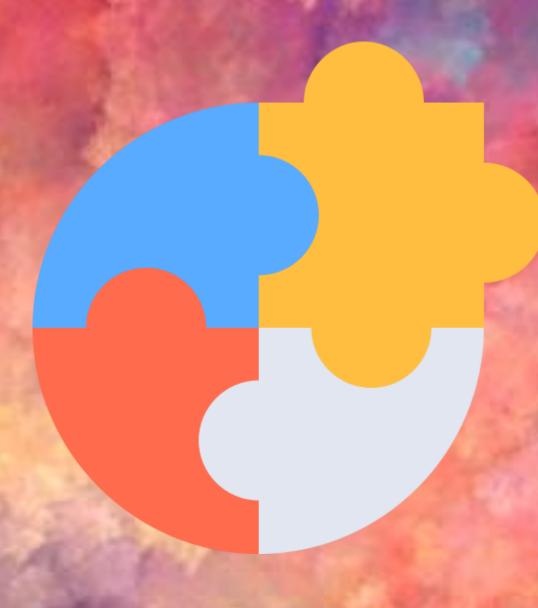
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### SKCT | SKCT RANKING BY TIMES

Top 30 Institutes - Research Capability	Emerging Engineering Institutes - Research Capability	South Zone
		1 SRM Institute of Science and Technology, Chennai
Netaji Subhash University Of Technology, Delhi	1 Dayananda Sagar University, Bengaluru	2 Koneru Lakshmaiah Education Foundation (KLEF) Deemed To Be University
Chandigath Engineering College Landran Michali	1 Manay Rachna University Fandabad Sector-43	Vijayawana
Delhi Technological University, Delhi	2 Bennett University, Greater Noida	3 Sathyabama institute of Science and Technology, Chennai
SRM Institute of Science and Technology, Chennal	3 CMR University School of Engineering & Technology Bengaluru	4 BMS College of Engineering, Bengaluru
Koneru Lakshmaiah Education Foundation(KLEF) Deemed To Be University	4 Sandio University, Nasik	5. PSG College Of Technology, Combalore
Konero Laksinnaian Education Foundation(KLEF) Deethed to be University.  Vilatawada	4 Salidy Oliversity, Nasik	6 REVA University, Bengaluru
NATIONAL SERVICES AND ADDRESS OF THE PROPERTY	-	7 InfatTesh, Hyderahad
Siksha'o' Anusandhan (Deemed To Be University), Bhubaneswar		7 Alliance College of Engineering & Design, Alliance University, Bangalore
Amity School of Engineering and Technology, Noida		8 Hindustan Institute Of Technology & Science, Othermal
RNS Institute of Technology Bengaluru		9 VELs Institute of Science Technology and Advanced Studies (Vistas), Chennai
(No manage of rectinately) bengania	_	10 AMC Engineering College, Bengaturu
College Of Engineering Pune		11 Gokaraju Rangaraju Institute Of Engineering And Technology, Hyderabad
Sri Krishna College of Technology, Coimbalore		11 VNR Vignana Jyothi Institute of Engineering & Technology, Medichal
IcfalTech, Hyderabad	1	12 R.M.K. Engineeting College (An Autonomous Institution), Chemnai
	-	13 Kongu Engineering College, Erode
Institute Of Engineering & Management (IEM)		14 Sonia College Of Technology, Salem
Galgotias University, Greater Noida		15 Anurag University, Hyderabad
Sathyabama Institute of Science and Technology, Chennal	-	15 Vardhaman College of Engineering, Hyderabad
	-	16: BNM Institute of Technology, Bangalore
1 Jayawant Shikashan Prasarak Mandal(JSPM ) Rajarshi Shahu College Of		17 Sri Krishna College of Technology, Colmbatore 18 K.S Rangasamy College Of Technology, Namadkal
Engineering (RSCOE) (Autonomous Institute), Pune		19 Guru Nanak Institutions Technical Campus (Autonomous), Hyderabad
2 Faculty Of Engineering & Technology (Manax Rachna International Institute Of Research & Studies), Fandatbad		20 Vignan's Foundation for Science Technology and Research, Guntur

Sri Krishna College of Technology, Coimbatore secured the "17th Position" among Regional - South Zone Institutions and "8th Position" under Research Capability in Engineering Research Rankings by Times - Engineering Ranking.

## SKCT ALUMNUS AWARD





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#### SKCT | SKCT ALUMNUS AWARD



Mr Deepak, Alumnus (Batch 2008-2012), Dept. of ECE, has been awarded with "பசுமை முதன்மையாளர் விருது" and Cash Prize of Rs 1 Lakh on 06 June 2022.

## STUDENTS' PARTICIPATIONS





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#### CSE | STUDENTS' ACHIEVEMENT | PATENT **PUBLISHED**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241030241 A

(22) Date of filing of Application :26/05/2022

(43) Publication Date: 03/06/2022

#### (54) Title of the invention: A ROBOTIC FIREFIGHTING DEVICE

(51) International classification A62C003102000, G08B0017060000, A62C0027000000, A61H0003060000

(86) International Application :PCT//

:01/01/1900 Filing Date

(87) International Publication : NA (61) Patent of Addition to

Application Number Filing Date (62) Divisional to Application NA

Filing Date

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The present invention pertains to firefighting devices and systems, specifically and in particular is discloses an invention of a robotic firefighting device integrated with the ability to be tracked through the global positioning system (GPS). The invention's firancework is primarily concerned with the programmed control and recognition of fire thickness in a bot. The broad recreation with both the microcontroller and the fire sensor will give the power of the fire in the backwoods region. In contrasting different methodologies, the invention's firancework gives the specific power of the fire and is over 79% precise. The programmed fire-identifying bot is likewise outfitted with the sensors to work with the temperature and condition boundaries. GPS syst help us to detect where the bot is in and whether the bot is in correct location and it is monitored by the BLYNK App which is connected via the Wi-Fi and can be easily located. An IR sense is used to detect the object and avoid the obstacles and when the obstacles is detected the bot moves left are right direction so that rost of the areas can be covered and fire can be killed whenever the obstacles is detected the automatically change its direction and moves toward the fire and kill the fire.

Mr R Pradeep, Mr K Raja Prasath and Mr S Rajeshwar, Students of Final B.E. CSE B section, published a patent on "A Robotic **Firefighting Device"** on 03 June 2022.

# IT | STUDENTS' PARTICIPATION | INTERNATIONAL CONFERENCE ON ELECTRONIC CIRCUITS AND SIGNALLING TECHNOLOGIES



Ms Samyuktha Menon and Mr S Sarujith, Students of Final B.Tech. IT B section, presented a paper in an International Conference on "Electronic Circuits and Signalling Technologies" organised by PPG Institute of Technology, Coimbatore on 02 June 2022.

# IT | STUDENTS' PARTICIPATION | INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE, ENGINEERING AND TECHNOLOGY



Mr S Vineeth, Mr R Rahul Kumar and Mr R Subhash, Students of Final B.Tech. IT B section, presented a paper in an International conference on "Advances in Science, Engineering and Technology" organised by Cheran College of Engineering, Karur on 27 May 2022.



Mr P Naveenraj, Ms S Keerthi and Mr S Mohammed Fazil, Students of Final B.E. Civil Engineering, has been recognised as the Notable Participant in the "AICTE – MAPATHON." Mr T P A Aravind, Asst. Professor, Dept. of Civil Engineering, mentored the students.



Mr R Dhanush Praveen, Ms M Sivapriya, Mr Abutariq and Ms Harshini Neha, Students of Third B.E. Civil Engineering, has been recognised as the Notable Participant in the "AICTE – MAPATHON." Mr R Ramesh, Asst. Professor, Dept of Civil Engineering, mentored the students.



Mr S Dhaswanth, Ms P Keerthana, Mr Aswin Ram and Mr M Vignesh, Students of Third B.E. Civil Engineering, has been recognised as the Notable Participant in the "AICTE – MAPATHON." Dr V Sathish Kumar, Asst. Professor, Dept of Civil Engineering, mentored the students.



Mr R Parimelazhagan and Mr S Ravi Kumar, Students of First M.E. Structural Engineering, has been recognised as the Notable Participant in the "AICTE – MAPATHON." Dr V Sathish Kumar, Asst. Professor, Dept of Civil Engineering, mentored the students.

## FACULTY PARTICIPATIONS





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# IT | FACULTY PARTICIPATION | INTERNATIONAL CONFERENCE ON ELECTRONIC CIRCUITS AND SIGNALLING TECHNOLOGIES







#### **Certificate of Presentation**

This is to certify that

M Malath

has successfully presented the paper entitled

Rating-Based Restaurant and Food Recommendation System using Nearest Neighbor Algorithm

at the

International Conference on Electronic Circuits and Signalling Technologies (ICECST - 2022)
organized by PPG Institute of Technology on 2-3, June 2022
held at Coimbatore, Tamil Nadu, India.

J. LSZ Session Chair

Organizing Secretar

Organizing Secretary Dr. G. Ranganathan Conference Chair Dr. V. Bindhu



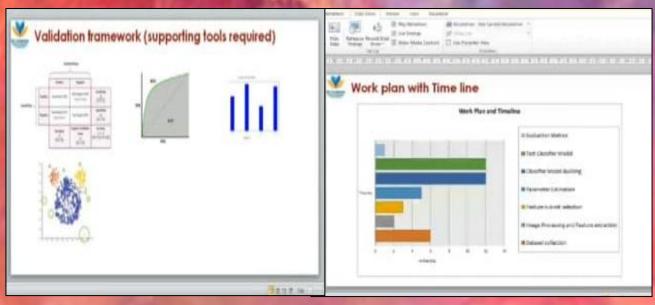
Ms M Malathi, Asst. Professor, Dept. of IT, presented a paper in an International Conference on "Electronic Circuits and Signalling Technologies" organised by PPG Institute of Technology, Coimbatore on 02 June 2022.

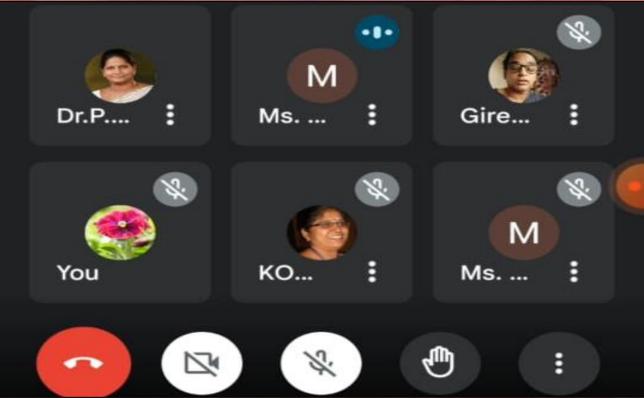
### CIVIL | FACULTY CERTIFICATION | NEBOSH COURSE ON OCCUPATIONAL HEALTH AND SAFETY



Mr T P A Aravind, Asst. Professor, Dept. of Civil Engineering, completed an International Certification Course on "Occupational Health and Safety" through NEBOSH.

#### **CSE | Ph.D. CONFIRMATION DC MEETING**





Ms M S Sruthi, Asst. Professor, Dept. of CSE, completed the "Confirmation Doctoral Committee Meeting" under the guidance of Dr P Tamije Selvy, Professor and Head, Dept. of CSE on 16 June 2022.

## NEW VISTAS OF LEARNING





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### **R&D | PAPER PUBLISHED IN SCI JOURNAL**

# COMPUTERISED INVESTIGATION OF CCD OPTIMISED FRGPC BEAM COLUMN JOINT SUBJECTED TO QUASISTATIC LOADING

Journal: Journal of Environmental Protection and Ecology 23(3) (2022) Pages: 998 - 1009

▼ Authors

KARTHIK, M. P.; SREEVIDYA, V.

#### ▼ Abstract

Geopolymer concrete is widely accepted as sustainable alternative for the conventional concrete and in this study the behaviour of fibre-reinforced beam column joint made with geopolymer concrete is studied under quasi-static loading. In addition to fly ash, steel fibres, M-sand as an alternative for river sand as fine aggregate, granite as coarse aggregate, NaOH and Na2SiO3 as activators and potable water, are used as ingredients. Initially the mix design is carried out for casting cubes and tested for compressive strengths by varying the concentration of NaOH, curing temperature and duration for optimisation of input parameters experimentally. Then the optimisation is done analytically using Central composite design (CCD). The optimum parameters determined from experimental investigation for the production of Fibre-reinforced geopolymer concrete (FRGPC) are: NaOH concentration of 16 M, curing temperature of 100oC and curing duration of 18 h, and thus a maximum compressive strength of 48.67 MPa is produced. By using CCD it was possible to obtain a 48 MPa strength with optimised parameters of 12 M NaOH concentration, 94oC curing temperature and 22 h curing duration. The numerical results validated with experimental ones show a ratio of Partial differential equations to experiment value of 0.975. Based on the optimised mix design, beam column joint is casted and tested under static load and compared with FEM Model using ANSYS 16.2. The ultimate load carrying capacity of beam column joints made with CC, GC-EXP-OP, GCCCD- OP by numerical investigation are 3.77, 1.86 and 3.18(%) than the experimental results. The beam column joints behaviour is also studied under forward and reverse cyclic loading conditions.

#### ▼ Keywords

Central composite design (CCD); Fibre-reinforced geopolymer concrete (FRGC); beam column joint; geopolymer concrete; structural performance

Dr V Sreevidya, Principal, SKCT, published a paper on "Computerised Investigation of CCD Optimised FRGPC Beam Column Joint Subject to Quasistatic Loading" in SCI Journal of Environmental Protection and Ecology.

#### **CSE | PATENT PUBLISHED**

(12) PATENT APPLICATION PUBLICATION

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NA.

NA

(86) International Application :PCT//

Filing Date (87) International Publication : NA

Filing Date

(61) Patent of Addition to

(62) Divisional to Application

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Address of Applicant :S/o. Srinivasan. V 27 - C.K.C Nagar, Tiruputtur -635601, Tamil Nadu,

Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Sri Krishna College of Technology, Kovaipadur, Coimbatore - 641 042, Tamil Nadu, India.

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The present invention pertains to fireflighting devices and systems, specifically and in particular is discloses an invention of a robotic fireflighting device integrated with the ability to be tracked through the global positioning system (GPS). The invention's framework is primarily concerned with the programmed control and recognition of fire thickness in a bot. The broad necreation with both the microcontroller and the fire sensor will give the power of the fire in the backwoods region. In contrasting different methodologies, the invention's framework gives the specific power of the fire and is over 75% precise. The programmed free-identifying bot is likewise outfitted with the sensors to work with the temperature and condition boundaries. GPS system which help us to detect where the bot is in and whether the bot is in correct location and it is monitored by the BLYNK App which is connected via the Wi-Fi and can be easily located. An IR sensor is used to detect the object and avoid the obstacles and when the obstacles is detected the bot moves left are right direction so that rest of the areas can be covered and fire can be killed whenever the obstacles is detected the automatically change its direction and moves toward the fire and kill the fire.

No. of Pages : 26 No. of Claims : 9

Ms G Sandhya, Ms Viraja Ravi, Ms P Anantha Prabha, Ms T Suganya, Ms P Divya and Ms R Asmitha Shree, Asst. Professors, Dept. of CSE, published a patent on "A Robotic Firefighting Device" on 03 June 2022.

## **MEETINGS & DISCUSSIONS**





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#### **SOM | DEPARTMENT MEETING**





Dr M Padmavathi, Professor and Head, School of Management, conducted a meeting with the Members of Faculty regarding academic activities on 15 June 2022.

### **CSE | APPLICATION DEVELOPMENT REVIEW**





The Dept. of CSE conducted a "Application Development Review" on 09 June 2022.

## **EVENTS ORGANISED**





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## S&H | TREE PLANTATION | WORLD ENVIRONMENT DAY



The Students of First B.E./B.Tech. planted a tree as a part of "World Environment Day" in the college premises on 04 June 2022. Dr N Nalini, Ms S S Sabithamala and Ms K Shanthi, Asst. Professors, Dept. of Science and Humanities, coordinated the event.

7	Students' Participations
3	Faculty Participations
2	New Vistas of Learning
2	Meetings & Discussions
1	Events Organised



### குறள் : 380

ஊழிற் பெருவலி யாவுள மற்றொன்று சூழினுந் தான்முந் துறும்.

What powers so great as those of Destiny? Man's skill Some other thing contrives; but fate's beforehand still

