



# A.C.S.COLLEGE OF ENGINEERING BENGALURU

(Affiliated to VTU, Belagavi, Approved by AICTE,  
New Delhi and Govt. of Karnataka)



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



# NEWSLETTER

**VOLUME- 8 ,ISSUE - 1**  
**ACADEMIC YEAR 2021-22**

### CHIEF PATRONS

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Rajarajeswari Group of Institutions

**Sri A.C.S ARUN KUMAR**  
Vice Chairman  
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**DR. M.S. MURALI**  
ACS College of Engineering

**Chief Editor**  
**DR. V MAREESWARI,**  
Professor & HOD,  
Department of CSE

### EDITORS

**MRS.SUNITA CHALAGERI,**  
Assistant Professor, CSE

**MRS.,KAVITA K PATIL**  
Assistant Professor,CSE

**Mr. VINOTH KUMAR S**  
Assistant Professor, CSE



## ABOUT CSE DEPARTMENT

- The Department of Computer Science and Engineering was established in 2009 with an intake of 60. It has been increased to 120 in the year of 2017-18.
- Our department is having total area of -- 1994 sq meters.
- The department has spacious classrooms and a well-equipped computer labs, 2 servers all in a networked environment with un- interrupted power supply.
- Our Department is having smart class room, seminar Hall, Departmental Library , R&D, Language Lab.
- The institution offers Wi-Fi enabled high-speed Internet(60mbps) facility.
- The department is NBA accredited for 3 years (2016-2019) , NAAC accredited for 5 years with 'A' Grade (2016-2021) and also ISO certified.

### Vision

The vision of the Computer Science and engineering department is to provide excellence knowledge and enrich the problem solving skills of the students in the field of CSE with a focus to prepare the students for industry need, carry out research, recognized as innovative leader, responsible citizen and improve the environment

### Mission

- M1. Prepare the students with strong fundamental concepts, analytical capability, programming and problem solving skills.
- M2. Create An Ambience Of Education Through Faculty Training, self Learning Sound Academic Practices And Research Endeavors.
- M3: Provide opportunities to promote organizational and leadership skills in students through various extra-curricular and co-curricular events
- M4: To make the students as far as possible industry ready to enhance their employability in the industries
- M5: To improve department industry collaboration through internship programme and interaction with professional society through seminar/workshops.
- M6: Imbibe social awareness and responsibility in students to serve the society and protect environment

## PROGRAMME EDUCATIONAL OBJECTIVES

**PEO1 :** To provide the imperatives knowledge of science and engineering concepts fundamental for a computer professional and equip the proficiency of mathematical foundations and algorithmic principles for competent problem solving ability

**PEO2 :** To inculcate ability in creativity & design of computer support systems and impart knowledge and skills for analyse, design, test and implement various Software applications .

**PEO3 :** To exhibit leadership capability, triggering social and economical commitment and inculcate community services and protect environment.

### Program Specific Outcomes

PSO1	Foundation of mathematical concepts	To use mathematical methodologies to crack problem using suitable mathematical analysis, data structures and suitable algorithm.
PSO2	Foundation of Computer System	The ability to interpret to fundamental concept and methodology of computer systems. Students can understand the functionality of hardware and software aspects of computer systems.
PSO3	Foundation of Software Development	The ability to grasp the software development lifecycle and methodologies of software systems. Possess competent skills and knowledge of software design process. Familiarity and practical proficiency with a broad area of programming concepts and provide new ideas and innovations towards research.

## FACULTY DETAILS

## STUDENT DETAILS

PARTICULARS	QUANTITY
TEACHING FACULTY	20
COMPLETED Ph. D	4
PURSUING Ph. D	5

PARTICULARS	QUANTITY
I -YEAR	116
II - YEAR	104
III - YEAR	95
IV - YEAR	77

### PHD APPLICANTS FROM THE DEPT.

SI No.	Name of the Faculty	Field	Guide
1	Mrs. Kavita Patil	W SN	Dr. T. Senthil Kumaran
2	Mrs. Sunita Chalageri	W SN	Dr. T. Senthil Kumaran
3	Mr.krishna kumar	W SN	Dr. T. Senthil Kumaran
4	Mr.s.Vinoth kumar	Cloud computing	Dr.J.Amutharaj
5	Veena HN	Image Processing	Dr. Murganandham Dr. T. Senthil Kumaran



# LABORATORY DETAILS



**DS & DAA LABORATORY**



**C PROGRAMMING  
LABORATORY**



**ANALOG AND DIGITAL  
ELECTRONICS LABORATORY**



**R & D**



**DBMS & CG & ML  
LABORATORY**



**MC & ES LABORATORY**



**NW & USP LABORATORY**



**SS & OS/CN LABORATORY**

## LIST OF EVENTS CONDUCTED 21-22

Sl.No	Name of the Conference/Webinar/FDP etc. organized	Date-Month-Year	Resource Person with Designation
1	<u>Seminar On:</u> “Importance Of Higher Education “	13-Nov-2021	Dr. A Sreedhar Kumar, Gernal Manager, IBS Group
2	<u>Organized On:</u> “Aarambha 2K21”	08-Dec-2021	Dr.Mareeswari.V HOD ,CSE
3	<u>Guest Lecture On:</u> “Cyber Crime and Safety”	5th -Jan-2022	Tokala Durgaro(Senior Technical Manager –Development, Cloud at Oracle India Pvt.Ltd)
4	<u>FDP On :</u> “Make My Labs Walkthrough”	18 <sup>th</sup> -Mar-2022	Amit Sharma
5	<u>Webinar On:</u> “Internship Opportunities In Different Domains”	23rd-April-2022	Ms.Farheen
6	<u>Student Development Program On :</u> “Artificial Intelligence and Machine Learning”	25th-April-2022	Dr. Raghavendra Rao
7	<u>Workshop On:</u> WORLD IPRs DAY 2022 “Workshop on IPRS & Its Protection In India”	28th-April-2022	Dr. Abhishek Singh Examiner of Patents & Designs, Patent Office, Chennai Ministry of Commerce & Industry, Govt.of India

## LIST OF EVENTS CONDUCTED 21-22

Sl.No	Name of the Conference/Webinar/FDP etc. organized	Date-Month-Year	Resource Person with Designation
8	<u>Seminar On:</u> Road To Success Program from “BE PRACTICAL TECH SOLUTIONS in association with GMAT Technologies”	09th-May-2022	Mr.Chowdry .K.H and Mr. Harsish Kumar.V
9	<u>Organized On:</u> Industrial Visit To “Shivanasamudra Hydro Power Plant”	23rd -May-2022	Industrial Visit
10	<u>Career Guidance On:</u> “Advanced Certification & Diploma Courses –SUNY-NEY-RIMSR”	24 <sup>th</sup> -May-2022	Harsha S Rao CEO,RIMSR MD,iD ream Academy
11	<u>Organized On:</u> Industrial visit to “U R Rao Satellite Centre (URSC),Bangalore”	30th-May-2022	Industrial Visit
12	<u>Webinar on</u> “ Yoga to Stay healthy in Covid time”	27-July-2021	Dr.Vidya MJ RV College of Engineering



## LIST OF EVENTS CONDUCTED 21-22

Sl.No	Name of the Conference/Webinar/F DP etc. organized	Date-Month-Year	Resource Person with Designation
13	<u>Webinar on</u> “Awareness and importance of Naac Accreditation	16-SEP-2021	Faculties of CSE
14	<u>Webinar on</u> “Gate Awareness Program benefits of Gate and Career opportunities with Gate”	18-Sep-2021	Mr.Santhosh, Mtech ACSIR


## EVENTS CONDUCTED 21-22

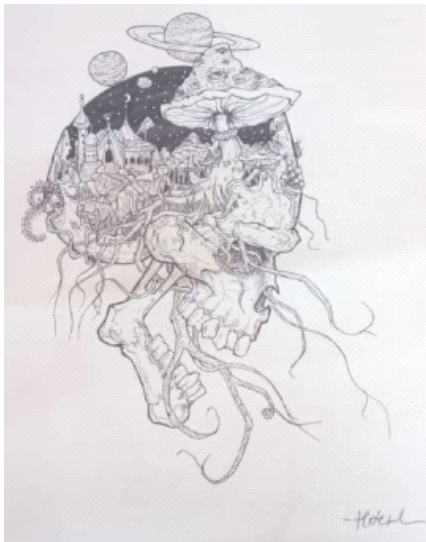


## **SCHOLARS WHO COMPLETED PH.D IN THE YEAR 2021-22**

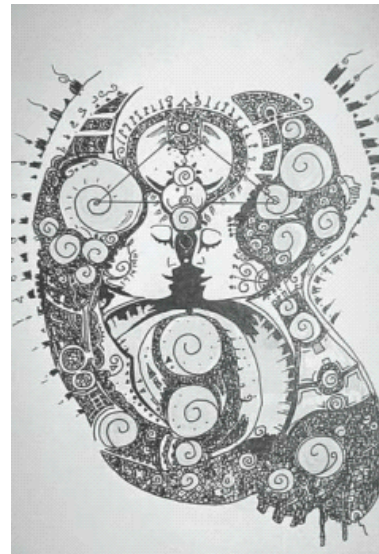
<b>Name of the Scholar</b>	<b>Guide</b>	<b>Year</b>
<b>Dr.P Vanajakshi</b>	<b>Dr.T Senthil Kumaran</b>	<b>2022</b>

## ACADEMIC ACTIVITIES – STUDENT TOPPERS

	Name	Batch
	Rakshitha N	2017-2021
	Koil raj	2016-2020
	Sohini	2015-2019
	Aishwarya G	2014-2018
	VarshaK	2013-2017
	Akash Dalmia	2012-2016
	Roja	2011 - 2015
	Sangeetha D	2010 - 2014
	yashashwini	2009 - 2013



**Hitesh K**  
**1AH20CS043**  
**2nd Year**

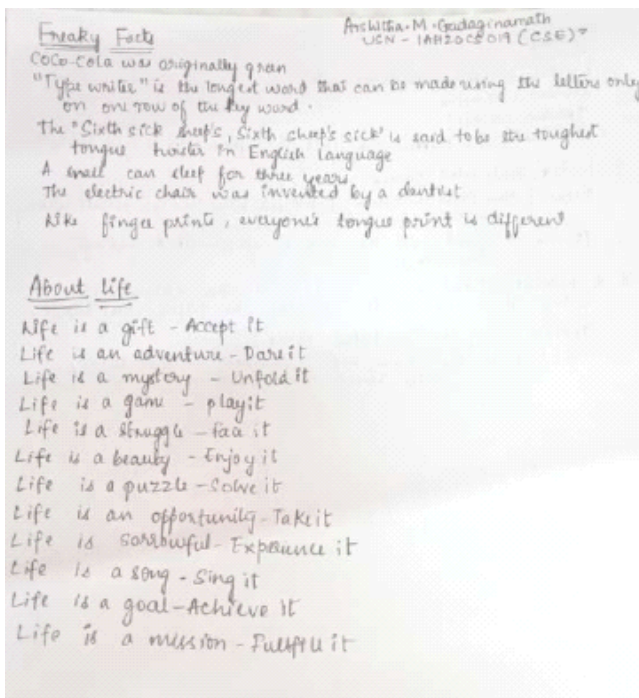


**Shree Harsha**  
**1AH20CS099**  
**2nd Year**



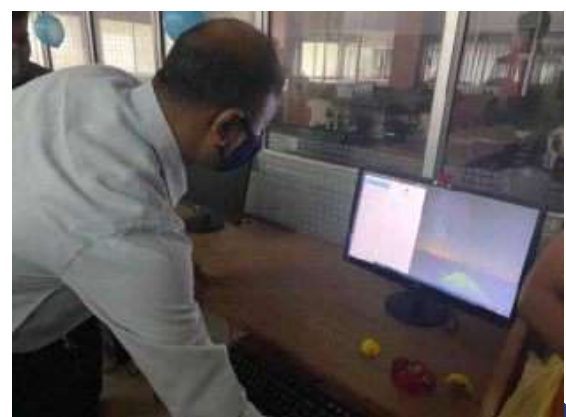


# Quotes by Students



**Arshitha M Gadaginamath**  
**1AH20CS019**  
**2nd Year**

## MAD Lab Inaguration on 13/10/2021



## Ayudha Pooja Celebration on 13/10/2021





## Womens day Celebration on 08/03/2022



# WORLD IPRs DAY 2022



## ACS COLLEGE OF ENGINEERING

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#207, Kambipura, Mysore Road, Bengaluru – 560 074

### Department of Computer Science & Engineering



**Dr. A. C. Shanmugam**  
A.L.L.B, FIMSA, FRCPS (Glasgow, UK)  
Chairman,  
RajaRajeswari Group of Institutions



**SCAN ME**  
(or)  
**Registration Link**  
<https://forms.gle/d2ETnLsrpvof4Qu29>

**Er. A.C.S. Arun Kumar**  
B.Tech (Hons), LMISTE.,MIET.,(UK), LMCS  
Vice Chairman  
RajaRajeswari Group of Institutions

**Workshop on: IPR's & its Protection in India**  
*Resource Person*  
**Mr. Abhishek Singh**  
Examiner of Patents and Designs, Patent Office, Chennai.  
Ministry of Commerce & Industry, Govt. of India



**Dr. S. Vijayanand**, M.Tech., Ph.D,  
Executive Director, RRGi

**Sri C.N. Seetharam**, IAS (Rtd),  
Chief Executive Officer, RRGi

**Dr. S. Jeyabalan**, Ph.D,  
Special Officer, RRGi

**Dr. M.S Murali**,  
Principal, ACSCE

**Dr. V. Mareeswarar**  
SPOC

**Date: 28<sup>th</sup> April 2022 Time: 10:45AM Venue: ACSCE Auditorium**



## PLACEMENT DETAILS



The training and Placement team of ACS college of Engineering is dedicated towards achieving maximum placements and spares no effort in maintaining sterling rapport with industries. Preparing the recruitment schedule of the year by inviting corporations for association and coordinating with the HR Team to ensure the smooth functioning of the final recruitment process are its major responsibilities. Meanwhile, numerous training programs, workshops, seminars, Industry interactions, and also industry visits are conducted by



Out of 91 students 53 students  
got placed



## PLACEMENT DETAILS 21-22

Sl.No	Student Name	USN	Company Name
1	Abhinandan B S	1AH18CS001	NTT LTD
2	Adity Singh	1AH18CS003	Learnyst
3	Aditi Kumari	1AH17CS028	Prepetual Block
4	Abhishek Y	1AH18CS002	Sasken
5	Akash M	1AH18CS006	Pentagon Space
6	Aman Raj Singh	1AH18CS008	TCS
7	Amshavi B S	1AH18CS011	Pentagon Space
8	Apeksha	1AH18CS012	Pentagon Space
9	Bhoomika	1AH18CS018	Expleo Groups
10	Bhaskar Rao	1AH18CS016	Vrize

## PLACEMENT DETAILS 21-22

Sl.No	Student Name	USN	Company Name
11	Dipanshu	1AH18CS025	Expleo
12	Divija B P	1AH18CS026	FACE
13	G Sushmitha	1AH18CS027	MindTree
14	GANESH M	1AH18CS028	Palle technologies
15	Girish	1AH18CS029	Ntt Ltd
16	Govindaraju T T	1AH18CS030	HCL
17	GURUNATH REDDY	1AH18CS032	Palle technologies
18	Jhenkar K c	1AH18CS040	TCS
19	Stephen Nikhil J	1AH18CS038	Palle technologies
20	Kamala D	1AH18CS042	Qualitest

## PLACEMENT DETAILS 21-22

Sl.No	Student Name	USN	Company Name
21	Kavya H M	1AH18CS043	CAPGEMINI
22	Keerthana M	1AH18CS044	Infosys
23	Kushidha K	1AH18CS049	Computacenter
24	M.BINDU PRIYA	1AH18CS050	Pentagon Space
25	Mohit Sharma	1AH18CS054	Digibooks
26	Neethu Singh	1AH18CS058	Kumaran System Pvt Ltd
27	Nithya T	1AH18CS059	Qualitest
28	Prasad V	1AH18CS062	Relavance Labs
29	PRASHANTH BB HEGDE	1AH18CS063	Unviered Software
30	Rajeshwari	1AH18CS069	6D TECHNOLOGY

## PLACEMENT DETAILS 21-22

Sl.No	Student Name	USN	Company Name
31	Rakshitha S	1AH18CS071	Unvired Software
32	Rohith R	1AH18CS076	TCS
33	Roma Anand	1AH18CS077	Wipro
34	S Sriraksha	1AH18CS078	HP
35	Sadiya Fathima	1AH18CS118	Byju's
36	Sanjana N Nagaraj	1AH18CS083	Sonata Software
37	SANTHOSH T	1AH18CS084	STRATOAGENT
38	Saurabh Singh	1AH18CS086	EngineCal
39	Shashank Shetty	1AH18CS088	CAPGEMINI
40	Shivabasayya B Hiremath	1AH18CS089	Wipro



## PLACEMENT DETAILS 21-22

Sl.No	Student Name	USN	Company Name
41	Siddharth Pugalia	1AH18CS092	AiDashInc
42	SRI SAILAKSHMI H K	1AH18CS095	Expleo Groups
43	Supreeth S	1AH18CS097	STRATOAGENT
44	Syamili S N	1AH18CS101	IBM
45	Unnathi H M	1AH18CS102	Capgemini
46	V G Ranji	1AH18CS103	Zoho Corp
47	Vandana Kumari	1AH18CS104	FACE
48	Varsha N Jhingade	1AH18CS106	Bosch
49	Varuni Tadas	1AH18CS110	Hexaware
50	Vidyashree	1AH18CS112	6D TECHNOLOGY

## PLACEMENT DETAILS 21-22

Sl.No	Student Name	USN	Company Name
51	Vibha G	1AH18CS111	CAPGEMINI
52	VIKAS D	1AH18CS113	Sasken
53	Vinayak R Kichadi	1AH18CS114	Pthinks,TCS
54	B R Prajwal	1AH17CS042	TEK System
55	Supritha D	1AH18CS099	Cadence Design Sys

## HIGHER STUDIES DETAILS 21-22

SL.N O	Student Name with USN	Program graduated	Program Joined	University
1	Akshatha Ravi Kumar(1AH18CS 007)	UG(CSE)	MSc (Advanced Computer Science)	University of Strathclyde Glasgow
2	Dhanush Kolur(1AH18CS0 23)	UG(CSE)	Master of Science in Business Analytics	University of EXETER
3	Harshita N(1AH18CS033)	UG(CSE)	M.Tech	Through PGCET
4	Ravikumar Mallikarjun (1AH18CS073)	UG(CSE)	MSc Artificial Intelligence	Sheffield Hallam University
5	Ritu Shyam(1AH18CS 074)	UG(CSE)	Research attachment program(renew able Energy and financial modelling)	University Technology Petronas
6	Sahana Lingaraju (1AH18CS081)	UG(CSE)	MSc Advanced computer science with data science	University of Strathclyde Glasgow

## Industrial Visit on 23/05/2022



Hydro- Electric station and solar PV Plant, Shivanasamudra”

## Industrial Visit on 30/05/2022



U R Rao Satellite Centre, Old HAL Airport Road, Bagalore



## Faculty NPTEL COURSE

SL.No	Name of the Faculty	Course	Year	Result
1	Dr. V Mareeswari	Outcome Based Pedagogic Principles for Effective Teaching	Feb-Mar2022	Elite+Silver
2	Dr. T Senthil Kumaran	Effective Engineering Teaching In Practice	Jan-Feb 2022	Successfully Completed in the course
3	Mrs. Kavita K Patil	Effective Engineering Teaching In Practice	Jan-Feb 2022	Successfully Completed in the course
4	Mrs. Sunita Chalageri	Outcome Based Pedagogic Principles for Effective Teaching	Feb-Mar2022	Elite+Silver
5	Mrs. Vinutha K	Outcome Based Pedagogic Principles for Effective Teaching	Feb-Mar2022	Elite+Silver

## STUDENTS ACHIEVEMENT 21-22

Sl.No	Name of the student	year	Event	Organization	Award if any
1	Ashish Kumar Singh	2022	RGUHS State Level Cricket Tournament 2021-2022	Rajiv Gandhi University of Health Sciences in Association with Mandya Institute of Medical Sciences	
2	Anish G Raj	2022	PUBG in "TRIGGER 2K22"	Rajarajeshwari College of Engineering	1 <sup>st</sup> Place
3.	Aniket S	2022	PUBG in "TRIGGER 2K22"	Rajarajeshwari College of Engineering	1 <sup>st</sup> Place
4.	Ankit Azad	2022	PUBG in "TRIGGER 2K22"	Rajarajeshwari College of Engineering	1 <sup>st</sup> Place
5.	Preetham R	2021	Kabaddi "Inter Collegiate Zonal Tournament 2021-2022"	Visvesvaraya Technological University	Runners up
6	Abhishek S	2021	Kabaddi "Inter Collegiate Zonal Tournament 2021-2022"	Visvesvaraya Technological University	Runners up

## STUDENTS ACHIEVEMENT 21-22

Sl.No	Name of the student	year	Event	Organization	Award if any
7	Ajay Kumar B K	2021	Kabaddi “Inter Collegiate Zonal Tournament 2021-2022”	Visvesvaraya Technological University	Runners up
8	Aman Raj Singh	2021	Certificate of Appreciation	NPTEL	NPTEL Discipline Star
9	Ajay Kumar B K	2021	Kabaddi	ACS College of Engineering	1 <sup>st</sup> place
10	Amith H	2022	Kabaddi	Adarsh College	3 <sup>rd</sup> place
11	Ajay Kumar B K	2022	Kabaddi	Adarsh College	3 <sup>rd</sup> place
12	Preetham R	2022	Kabaddi	Adarsh College	3 <sup>rd</sup> place
13	Santhosh M	2022	Kabaddi	Adarsh College	3 <sup>rd</sup> place

## STUDENTS ACHIEVEMENT 21-22

Sl.No	Name of the student	year	Event	Organization	Award if any
14	Prashanth BB Hegde	2021	The Guinness World Record Event – Most users to take an online computer Programming lesson in 24 hours	GUVI	
15	Prashanth BB Hegde	2021	Learning Git and Github	Linked in LEARNING	Course Completion

# Student Achievement



## Student Achievement - NPTEL

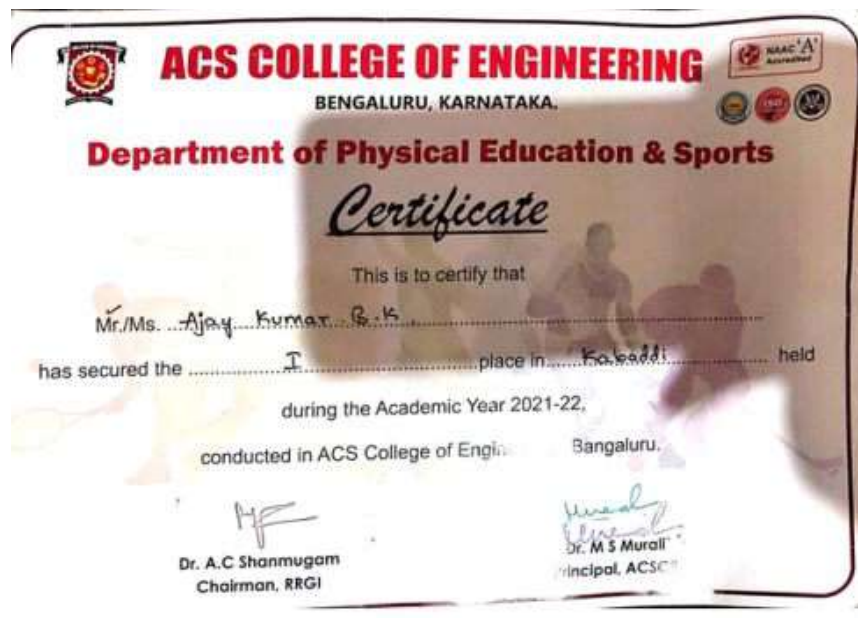




# SPORTS



## Final Year student AJAY



# FACULTY PUBLICATIONS

SL.N O	NAME	TITLE	SCOPU S	WEB OF SCIENC E	GOOGLE SCHOLAR	YEAR	INTERNATIONAL JOURNAL TITLE
1	SHAKUNTHAL A B S., C S PILLAI	Enhanced text line segmentation and skew estimation for handwritten kannada document	YES		YES	2021	Journal of Theoretical and Applied Information Technology
2	A Prashanthi., P V Rao., Santhosh Kumar., V Sreepathi., A Y Prasad	An Automated Glaucoma Detection Model to Estimate Glaucoma Abnormalities in Fundus Images Using CNN	YES		YES	2021	Technical Advancements of Machine Learning in Healthcare
3	Prabhavathi V Mareeswari	AN EFFICIENT PREDICTIVE SYSTEM FOR HEART K. DISEASE USING A MACHINE LEARNING TRAINED MODEL			YES	2021	Journal of Contemporary Issues in Business and Government

## FACULTY PUBLICATIONS

SL.NO	NAME	TITLE	SCOPUS	WEB OF SCIENCE	GOOGLE SCHOLAR	YEAR	INTERNATIONAL JOURNAL TITLE
4	Veena H.N., Muruganandham A., Kumaran T. Senthil	A novel optic disc and optic cup segmentation technique to diagnose glaucoma using deep learning convolutional neural network over retinal fundus images	YES			2021	Journal of King Saud University - Computer and Information Sciences
5	Mathapati M., Senthil Kumaran T., Patil K.K., Patil S.S., Veena H.N.	A Study on Secure Data Aggregation and Routing for Wireless Sensor Networks	YES			2021	Communications in Computer and Information Science
6	H N Veena., A Muruganandham., T Senthil Kumaran	Enhanced CNN-RNN deep learning-based framework for the detection of glaucoma	YES	YES	YES	2021	International Journal of Biomedical Engineering and Technology
7	T Senthil Kumaran., Puttaswamy Gowda Vanajakshi ., M Mathivanan	Investigation on large vocabulary continuous Kannada speech recognition	YES	YES	YES	2021	International Journal of Biomedical Engineering and Technology

## FACULTY PUBLICATIONS

SL.NO	NAME	Titla	SCOPUS	WEB OF SCIENCE	GOOGLE SCHOLAR	YEAR	INTERNATIONAL JOURNAL TITLE
8	Shakunthala B S., C S Pillai	COMPARISON BETWEEN KANNADA AND ENGLISH HANDWRITTEN WORD RECOGNITION BY USING NEURAL NETWORKS			YES	2021	Turkish Journal of Physiotherapy and Rehabilitation
9	Jyoti Metan., A Y Prasad., K S Ananda Kumar., Mahantesh Mathapati., Kavitha K Patil	Cardiovascular MRI image analysis by using the bio inspired (sand piper optimized) fully deep convolutional network (Bio-FDCN) architecture for an automated detection of cardiac disorders	YES	YES	YES	2021	Biomedical Signal Processing and Control
10	Sunita Satish Patil., Thangamuthu Senthil Kumaran	Fuzzy based rendezvous points selection for mobile data gathering in wireless sensor network	YES	YES	YES	2021	Computational Intelligence

## FACULTY PUBLICATIONS

SL.NO	NAME	TITLE	SCOPUS	WEB OF SCIENCE	GOOGLE SCHOLAR	YEAR	INTERNATIONAL JOURNAL TITLE
11	Neetha Das., Prajwal V., Pranav K Bharadwaj PunitKumar J., Rahul V	Smart Visual Assistance for Visually Impaired			YES	2022	ACS Journal for Science and Engineering
12	Sunita Chalagegi Prithvi Prakash., Rakshitha Rachanaa	Predictive Analysis of Air Pollution using Machine Learning			YES	2022	ACS Journal for Science and Engineering
13	Kavita K Patil., T Senthil Kumaran., A Y Prasad	Improved Congestion Control in Wireless Sensor Networks Using Meta-Heuristic Approach	YES		YES	2022	Lecture Notes in Networks and Systems
14	Sunita S Patil., T Senthil Kumaran	Critical Data Capturing of Dual Mobile Data Collectors in WSN	YES		YES	2022	Lecture Notes in Networks and Systems
15	Ganga B M., Meghana K S., Shivani S Raykar., Spandana M K., Vinutha V	Sentimental Analysis on Cosmetics using Machine Learning			YES	2022	ACS Journal for Science and Engineering
16	Lakshmi Priya., Chaithra B., Kavana R., Manjulamma A., Meghana S	Prediction and Classification of Stress in Humans			YES	2022	ACS Journal for Science and Engineering

**Student Exchange Program # ACSCE-CSE # UTP**



**INTERNATIONAL  
COLLABRATION –  
UNIVERSITI TEKNOLOGI  
PETRONAS, MALAYSIA.**





## Ethnic Day 2021-22



# Graduation Day 2017-21 Batch





# **A.C.S.COLLEGE OF ENGINEERING BENGALURU**

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