DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

STUDENTS ACHIEVEMENTS

Achievements ACY 2022 – 2023

S.No	Roll No	Name of the Student	Name of the Event	Date of Event	Name of the College	Award/ Participation
1	21CB07	BALAJI P R	Paper Presentation Event	27th to 29th September 2022	SNS College of Technology	I Prize
2	21CB07	BALAJI P R	Paper Presentation in 17th National Level Technical Symposium	5th Nov 2022	Sasurie College of Engineering	Secon Prize
3	21CB07	BALAJI P R	Web Designing in Technocraft 2022	10th November 2022	PPG College of Arts and Science	I Prize
4	21CB40	Ramesh Patel D	Health Care Hackathon	17.02.2023 & 18.02.2023	Startup TN & School of Applied Health Sciences, Vinayaka Mission Research Foundation	Won Cash Prize Rs. 50,000/-
5	21CB44	SAMUAL P M	Health Care Hackathon	17.02.2023 & 18.02.2023	Startup TN & School of Applied Health Sciences, Vinayaka Mission Research Foundation	Won Cash Prize Rs. 50,000/-
6	21CB63	Vijay SK	Health Care Hackathon	17.02.2023 & 18.02.2023	Startup TN & School of Applied Health Sciences, Vinayaka Mission Research Foundation	Won Cash Prize Rs. 50,000/-
7	21CB07	BALAJI P R	Ads Up in the Literacy & Cultural Fest	23rd & 24th Feb 2023	KGiSL Institute of Technology	3rd Prize
8	21CB24	KALAISELVI S	Paper presentation in Henosis 2023	25.02.2023	Dr. N. G. P Institute of Technology	Second place
9	21CB33	MIDHUN M	Literacy &	23rd & 24th	KGiSL Institute	Second

			Cultural Festival by Fines Arts Club	Feb 2023	of Technology	place
10	21CB59	SWETHA R	2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023	5th & 6th May 2023	Vellore Institute of Technology	Presented a paper Bus Pass Multi Authority Approval System using Logistic Regression ISBN No. 979-8-3503-4798-2
11	21CB50	SHARMITHA A S	2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023	5th & 6th May 2023	Vellore Institute of Technology	Presented a paper Bus Pass Multi Authority Approval System using Logistic Regression ISBN No. 979-8-3503-4798-2
12	21CB53	SHUJI J	2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023	5th & 6th May 2023	Vellore Institute of Technology	Presented a paper Bus Pass Multi Authority Approval System using Logistic Regression ISBN No. 979-8-3503-4798-2
13	21CB24	KALAISELV I S	2nd IEEE International Conference on Vision towards Emerging trends in	5th & 6th May 2023	Vellore Institute of Technology	Presented a paper Cursor Movement Based on Object

			Communication and Networking Technologies 2023			Detection Using Vision Transformers ISBN No. 979-8-3503-4798-2
14	21CB61	TRESSA BERNICE A	2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023	5th & 6th May 2023	Vellore Institute of Technology	Presented a paper Cursor Movement Based on Object Detection Using Vision Transformers ISBN No. 979-8-3503-4798-2
15	21CB20	GUNASEKA RAN V	2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023	5th & 6th May 2023	Vellore Institute of Technology	Presented a paper Cursor Movement Based on Object Detection Using Vision Transformers ISBN No. 979-8-3503-4798-2
16	21CB01	S. Akshaya	2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023	5th & 6th May 2023	Vellore Institute of Technology	Presented a paper Detection and Identification of Pills using Machine Learning Models
17	21CB12	Devadharshni M	2nd IEEE International	5th & 6th May 2023	Vellore Institute of Technology	Presented a paper Real

			Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023			Time Object Detection Using Deep Learning

Co-curricular Activities

Ramesh Patel D, Samual P M and Vijay SK Won Cash Prize Rs. 50,000/- for the project title: "Title: Smart glasses for visually impaired" in the Health Care Hackathon event held on 17.02.2023 & 18.02.2023 conducted by Startup TN & School of Applied Health Sciences, Vinayaka Mission Research Foundation.

4 students reached final round in Smart India Hackathon held at IIT Guwahati, Assam

6 students Participated in G20 submit held at Coimbatore

4 students Participated in Java capital Investor meetup

Balaji P (II CSBS) Won I Prize in Paper Presentation in SNS College of Technology - A National Design Thinking Contest and Festival Event on 27th to 29th September 2022.

Revathi. S (II CSBS) Won I Prize in Paper Presentation in SNS College of Technology - A National Design Thinking Contest and Festival Event on 27th to 29th September 2022.

Kalaiselvi S (II CSBS) won second place in paper presentation in Henosis 2023 at Dr. N. G. P Institute of Technology on 25.02.2023.

Swetha R (II CSBS) have presented a paper "Bus pass Multi Authority Approval System using Machine Learning Approach" at 2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023 (ViTECoN'23) held at Vellore Institute of Technology on 5th & 6th May 2023.

Balaji P (II CSBS) Won Secon Prize in Paper Presentation in 17th National Level Technical Symposium at Sasurie College of Engineering on 5th Nov 2022.

Balaji P (II CSBS) won I Prize in Web Designing in Technocraft 2022 at PPG College of Arts and Science on 10th November 2022.

Revathi. S presented a paper titled "Development of an automated hand Gesture software to control volume for computer" in the 2023 International Conference on Intelligent Systemsfor Communication, IOT and Security held during Feb 9 – 11, 2023 at PSG College of Technology, Coimbatore.

Sharmitha S (II CSBS) have presented a paper "Bus pass Multi Authority Approval System using Machine Learning Approach" at 2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023 (ViTECoN'23) held at Vellore Institute of Technology on 5th & 6th May 2023.

Shuji J (II CSBS) have presented a paper "Bus pass Multi Authority Approval System using Machine Learning Approach" at 2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023 (ViTECoN'23) held at Vellore Institute of Technology on 5th & 6th May 2023.

Kalaiselvi S (II CSBS) have presented a paper "Cursor Movement Based on Object Detection Using Vision Transformers" at 2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023 (ViTECoN'23) held at Vellore Institute of Technology on 5th & 6th May 2023.

Tressa Bernice (II CSBS) have presented a paper "Cursor Movement Based on Object Detection Using Vision Transformers" at 2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023 (ViTECoN'23) held at Vellore Institute of Technology on 5th & 6th May 2023.

S. Akshaya (II CSBS) have presented a paper "Detection and Identification of Pills using Machine Learning Models" at 2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023 (ViTECoN'23) held at Vellore Institute of Technology on 5th & 6th May 2023.

Devadharshni M (II CSBS) have presented a paper "Real Time Object Detection Using Deep Learning" at 2nd IEEE International Conference on Vision towards Emerging trends in Communication and Networking Technologies 2023 (ViTECoN'23) held at Vellore Institute of Technology on 5th & 6th May 2023.

Extra-curricular Activities

Midhun M (II CSBS) won Second Place in the Short Film in the Literary & Cultural Festival conducted by Fine Arts Club held on 23.02.2023 and 24.02.2023 at KGiSL Institute of Technology.

Balaji PR (II CSBS) has won Third Prize in Ads Up in the Literacy & Cultural Festival conducted by Fine-Arts Club at KGiSL Institute of Technology held on 23rd & 24th Feb 2023.

S. Abinaya (I CSBS) has won First Prize in Heritage Dance in the Literacy & Cultural Festival conducted by Fine-Arts Club at KGiSL Institute of Technology held on 23rd & 24th Feb 2023.

Deepika. S (II CSBS) has won Winner position in Badminton in the Annual Sports Meet held on 25th Feb 2023 at KGiSL Institute of Technology.

S. Deepika (II CSBS) has won Third place in 800 M in the Annual Sports Meet held on 25th Feb 2023 at KGiSL Institute of Technology.

S. Deepika (II CSBS) has won Runner position in Basket Ball in the Annual Sports Meet held on 25th Feb 2023 at KGiSL Institute of Technology.

S. Deepika (II CSBS) has won Runner position in Kabaddi in the Annual Sports Meet held on 25th Feb 2023 at KGiSL Institute of Technology.

KGiSL Institute of Technology

(Affiliated to ANNA University, Chennai and Approved by AICTE, New Delhi)
365, KGiSL Campus, Thudiyalur Road, Saravanampatti, Coimbatore – 641035.

DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

STUDENTS ACHIEVEMENTS

Achievements ACY 2023 – 2024

S.No	Roll No	Name of the Student	Name of the Event	Date of Event	Name of the College	Award/ Participation
1	21CB17	GOBALA KRISHNAN B	8th International Conference on Communication and Electronics System	1st to 3rd June 2023	PPG Institute of Technology	Presented a paper on "Development of an Automated tool to download Youtube Audio/Video using Artificial Intelligence Techniques
2	21CB17	GOBALA KRISHNAN B	ICA 1st Tamil Nadu State level Chess Tournament TNSCA	2nd July 2023	Dain Tree Public School	Participated in State level Tournament
3	21CB07	BALAJI P R	International Python Conference "PYCON INDIA 2023"	01-10-2023	Jawaharlal Nehru Technological University, Hyderabad	Speech/Seminar on the topic of "Beyond Coding: The Human Element in Tech Startups"
4	21CB17	GOBALA KRISHNAN B	ICA !st Tamilnadu State Level Chess Tournament	2. 07. 2023	Dain Tree Public School, Tirupur	Participation
5	21CB46	SANJEEVI KUMAR V	ICA !st Tamilnadu State Level Chess Tournament	2. 07. 2023	Dain Tree Public School, Tirupur	Participation

Co-curricular Activities

Gobalakrishnan. B (III CSBS) presented a paper on "Development of an Automated tool to download Youtube Audio/Video using Artificial Intelligence Techniques at 8th International Conference on Communication and Electronics System held at PPG Institute of Technology on 1st to 3rd June 2023.

Sanjeevi Kumar S (III CSBS) presented a paper on "Development of an Automated tool to download Youtube Audio/Video using Artificial Intelligence Techniques at 8th International Conference on Communication and Electronics System held at PPG Institute of Technology on 1st to 3rd June 2023.

BALAJI P R (III CSBS) gave Speech/Seminar on the topic of "Beyond Coding: The Human Element in Tech Startups" in the International Python Conference "PYCON INDIA 2023" held on 01-10-2023 at Jawaharlal Nehru Technological University, Hyderabad.

BALAJI P R (III CSBS) Student Profile is displayed in the International Python Conference "PYCON INDIA 2023"

Extra-curricular Activities

Gobalakrishnan B (III CSBS) has participated in ICA 1st Tamil Nadu State level Chess Tournament TNSCA held on 2nd July 2023.

Sanjeevi Kumar (III CSBS) has participated in ICA 1st Tamil Nadu State level Chess Tournament TNSCA held on 2nd July 2023.

DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

Faculty Achievements

S.No	Details (From 2022 to Till Date)	
1.	Book / Book Chapter Publications	02
2.	Publications (Journals / Conferences)	03
3.	FDP / STTP / Workshop Attended	06
4.	FDP / Workshop / Seminar / Conferences Organized	02
5.	Coursera course completed	25
6.	NPTEL	03

DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

Faculty Achievements

Achievements ACY 2022-2023

S.No	Name of the Faculty	Title of the book	Date of Publication	ISBN No.	Publisher
1	J. Poongodi	Fundamentals of Data Structures	November 2022	978-93-5577-314-2.	Charulatha Publications, Chennai, Tamil Nadu

Sl. No.	Name of the Faculty	Name of the FDP / Workshop	Date of the program	Name of the college	Number of Weeks / days
1	J. Poongodi	ATAL FDP on " AI Accelerator for Electric Vehicle and Battery Charging Infrastructure: Design Methodology and Research Issues	21-11-2022 to 26-11-2022, 28-11-2022 to 02-12-2022	PSG College of Technology	10 days
2	J. Poongodi	International level Virtual FDP on "Research Advancements in Intelligent Computing Technologies	19.12.2022 to 23.12.2022	Sri Krishna College of Engineering and Technology	5 days

Ms. J. Poongodi published a book on "Fundamentals of Data Structures" on November 2022 with ISBN No. 978-93-5577-314-2.

Ms. J. Poongodi participated in ATAL FDP on " AI Accelerator for Electric Vehicle and Battery Charging Infrastructure: Design Methodology and Research Issues" from 21-11-2022 to 26-11-2022, 28-11-2022 to 02-12-2022 at PSG College of Technology

Ms. J. Poongodi participated in International level Virtual FDP on "Research Advancements in Intelligent Computing Technologies" by Sri Krishna College of Engineering and Technology from 19.12.2022 to 23.12.2022

DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

Faculty Achievements

Achievements ACY 2023-2024

S.No	Name of the Faculty	Title of the book chapter	Date of Publication	ISBN No.	Publisher
1	M. Saravanapriya	Rural Women Empowerment through Skill Development	August 2023	978-93-5980-468-2	Shanlax Publications, Madurai Tamil Nadu
2	J. Poongodi	Blockchain Enabled Secure Big Data Computing for Smart Cities Using Internet of Things	January 2024	978 – 8- 8913-280-1	Nova Science Publishers, New York

Sl. No.	Name of the Faculty	Name of the FDP / Workshop	Date of the program	Name of the college	Number of Weeks / days
1	M. Saravanapriya	National level NPTEL Online Certification "Strategic Management for Competitive Advantage"	Jul – Oct 2023	Indian Institute of Technology, Kharagpur	12 Weeks
2	M. Saravanapriya	National level NPTEL Online Certification "Business Analytics & Data Mining Modeling Using R - Part II"	Jul – Aug 2023	Indian Institute of Technology, Roorkee	4 Weeks
3	J. Poongodi	National level NPTEL Online Certification	Jul – Oct 2023	Indian Institute of Technology,	12 Weeks

		"Fundamentals of Artificial Intelligence"		Guwahati	
4	T. Deivapraba	Five Days FDP "ReFocus"	11th to 15 th Sep 2023	School of Computer Science Engineering, Vellore Institute of Technology, Chennai.	5 days
5	Ms. K. Nithya	FDP on Data structure and algorithms	14-15 Oct, 2023	IIT Madras	2 Days
6	C. Krishnskala	FDP on Data structure and algorithms	14-15 Oct, 2023	IIT Madras	2 Days
7	R. Ranjithaa	FDP on Application of Generative AI	03-04, Nov.2023	GUVI	2 days

KGiSL Institute of Technology

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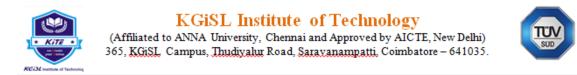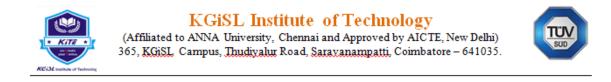365, KGiSL Campus, Thudiyalur Road, Saravanampatti, Coimbatore – 641035.

WOMEN EMPOWERMENT THROUGH SKILLS DEVELOPMENT & VOCATIONAL EDUCATION

M. Saravana Priya
Assistant Professor, Department of Management Sciences,
KGiSL Institute of Technology, Coimbatore

Abstract

Women participation and empowerment are fundamental women's rights to enabling women to have control over their lives and put forth influence in society. Women often face discrimination and gender inequalities, with some women experiencing multiple discrimination and exclusion because of factors such as background or caste. This paper is dealt skills development through vocational training along with various measure such as Pradhan Mantri Kaushal Vikas Yojana, National Skills Development Corporation, National Skills Development Mission. Ministry of Labor and Employment has taken a number of initiatives in the field of skill development and employment. For instance, training of trainers, Vocational Training for girls is being conducted by Advanced Training Institutes and Regional Vocational Training Institutes run by the Ministry. Vocational Education and training are essential mechanism of any strategy to improve farm and nonfarm productivity that improves rural incomes. Skill is the bridge between job and workforce. Women often have different training needs than men, since they are more likely to work as contributing family workers, subsistence farmers, home-based micro entrepreneurs, or low-paid seasonal laborers, in addition to handling their domestic work and care responsibilities. Skills development is a key to improving household productivity, employability and income-earning opportunities for women and also for enhancing sustainable rural development and livelihoods.

Keywords: Women empowerment, Skills development, Vocational Education, Sustainable rural development, Livelihoods, Employability.

Introduction

Women constitute about 48% of the total population of the country. According India's constitution, women are legal citizens of the country and have equal rights with men. Because of lack of acceptance from the male dominant society, Indian women suffer immensely. Women are responsible for baring children, yet they are malnourished and in poor health. Women are also overworked in the field and complete the all of the domestic work. Most Indian women are uneducated. Vocational Training programme aim to provide skills and confidence to women from economically backward families and help them to achieve economic and social independence.

Women have always been marginalized and relegated to the status of subjugated class in the Indian society. Due to lack of specific implementation of plans, local communities especially women have remained outside the scope and benefits of government schemes and programmes. Women have not actively participated in their emancipation due to their lack of economic independence and illiteracy. There is a need to address the issue by raising the status of women. The key lies in women empowerment through economic self-sufficiency and higher awareness levels on social, political and legal issues through mobilization. There is also a need to recognize and emphasize the diverse roles of women such as reproductive,

Ms. M. Saravanapriya published a research paper titled "Women Empowerment through Skills Development & Vocational Education" in ICSSR Sponsored National Seminar in the book "Rural Women Empowerment through Skill Development" with ISBN: 978-93-5980-468-2 Vol – II at NGM College, Pollachi on August 2023 Publisher SHANLAX PUBLICATIONS.

Chapter 6

Blockchain-Powered Secured Health Care Data Transmission: An Overview

K. Kavitha[1], PhD
and J. Poongodi[2,*], ME, PhD
[1]Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore, India
[2]Department of Computer Science and Business Systems, KGISL Institute of Technology, Coimbatore, India

Abstract

Blockchain is a distributed, digital ledger that stores blocks of transactions, and all the blocks are digitally chained together on numerous computers in a way that prevents any record from being changed unilaterally altered because alteration reflects in subsequent blocks. The data in the blockchain is stored on the distributed network unlike traditional storage where the data is maintained in central storage; hence no one can change the data easily without the users' consensus. It provides a secure method of keeping patients' private and sensitive information utilizing a decentralized system of records, preventing a single attack. The cryptographic hash that connects each data block with newly updated information block records determines the value of a Blockchain hash; hence, integrity is good in the blockchain. In COVID-like pandemic situations, it's necessary to seek access to healthcare systems to meet rapid mass screening, rapid contact tracing, managing vaccines and drug supply, online consultations, and trading. It needs a secured multipurpose platform for coordinating personal and sensitive information. The emerging digital technologies IoT, 5G and AI were adopted effectively to meet the requirements during the unprecedented

Complimentary Copy

Ms. J. Poongodi published a book chapter titled "Blockchain-Powered Secured Health Care Data Transmission: An Overview" in the book "Blockchain Enabled Secure Big Data Computing for Smart Cities Using Internet of Things" with ISBN No. 978 – 8- 8913- 280-1 Published by Nova Science Publishers, Inc. New York on January 2024.

Ms. M. Saravanapriya Completed National level NPTEL Online Certification 12 Week (Jul-Oct-2023) Course "Strategic Management for Competitive Advantage" by Indian Institute of Technology, Kharagpur.

Ms. M. Saravanapriya Completed National level NPTEL Online Certification 4 Week (Jul-Aug 2023) "Business Analytics & Data Mining Modeling Using R - Part II" by Indian Institute of Technology, Roorkee.

Ms. J. Poongodi Completed National level NPTEL Online Certification 12 Week (Jul – Oct 2023) Course "Fundamentals of Artificial Intelligence" by Indian Institute of Technology, Guwahati.

Ms. T. Deivapraba participated in 5 days FDP "ReFocus" organized by school of Computer Science Engineering from 11th to 15 th Sep 2023 at Vellore Institute of Technology, Chennai.

Ms. K. Nithya & Ms. C. Krishnskala attended FDP on Data structure and algorithms at IIT Madras on 14-15 Oct, 2023

Ms. R. Ranjithaa attended 2 days FDP on Application of Generative AI Conducted by GUVI on 03-04, Nov.2023