

Kalpataru Vidya Samsthe®

Kalpataru Institute of Technology

The Byte

Dream. Design. Deliver: The ECE Way

**DEPARTMENT OF ELECTRONICS
AND COMMUNICATION
ENGINEERING**

2021-22



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ABOUT THE INSTITUTION

Kalpataru Institute of Technology was established in 1986 with a view to provide quality technical education. The college is affiliated to Visvesvaraya Technological University, Belagavi, approved by All India Council for Technical Education (AICTE), New Delhi.

INSTITUTE VISION

To bring forth Technical Graduate of high caliber with a strong character and to uphold the spiritual and cultural values of our country

INSTITUTE MISSION

To impart quality technical and managerial education at Graduate and Post Graduate levels through our dedicated and well qualified faculty members.



GUIDING VISIONARIES

President



Sri. P.K.Thipperudrappa

Treasurer



Sri. T S Shivaprasad

Vice Presidents



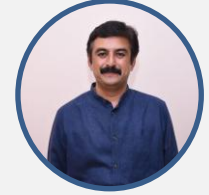
Sri. T.S Basavaraju



Sri.Bagepalli Nataraj



Sri. M.R.Sangamesh



Sri. Sudhakar.H.G



Sri. G.P.Deepak



Sri. B.S.Umesh



Sri. G.S.Umashankar



Sri. T.U.Jagadeeshmurthy

GUARDIAN OF ACADEMIC INTEGRITY

Principal



Dr. G.D. Gurumurthy

PIONEER OF DISCIPLINE EXCELLENCE

Head of the Department



Prof. G.S.Yogananda

THE VOICE BEHIND THE PAGES

Editorial Curator



Prof. PradeepKumar S K

ABOUT THE DEPARTMENT

Department of Electronics and Communication Engineering was established in the year 1986 with an intake of 60 students for Bachelor of Engineering (BE) programme and affiliated to Bangalore University. Subsequently the department of Electronics and Communication Engineering of Kalpataru Institute of Technology was affiliated to Visvesvaraya Technological University during the year 1998.

Currently the department is offering Bachelor of Engineering with an intake of 120 students in Under Graduate (UG) programme. The Department also has a Research Center where the Research Scholars can do Research & pursue Ph.D Degree.

VISION

To contribute towards the development of technology in the field of Electronics and Communication so that mankind can have more benefits from our works and thoughts.

MISSION

M1: To provide excellent education in the field of Electronics and communication technologies

M2: To promote scientific and research attitudes to bring out the best from our students to make them excellent engineers.

MESSAGE FROM THE HOD



On behalf of the Electronics and Communication Department, Kalpataru Institute of Technology, I am pleased to announce the launching of the 2021-22 edition of the “The Byte” Magazine of the Electronics and Communication Department and to make it available to everyone. This Technical Magazine aims to disseminate achievements from our students and faculties in research and developments.

As HOD, I am open to exploring the opportunities for making this Technical Magazine an exciting and definitive forum for attracting and publishing high-impact research contributions that are innovative and transformative, and for making this technical magazine serve as a forum for disseminating timely and exciting ongoing research that can stimulate innovation.

The entire Editorial team has worked diligently to create a platform for esteemed faculty members, researchers and students to disseminate their latest achievements. Through this, we aim to share the knowledge gained from their technical pursuits with fellow researchers, faculty, industry experts, and students.



OUR DEDICATED EDUCATORS FACULTY PROFILES

Sl.No	Name	Designation	Area of Specialization
1	Dr. S V Rajashekarardhya	Professor	Image Processing
2	Mr. G S Yogananda	Associate Professor	Image Processing
3	Dr. Gurumurthy G D	Professor	Wireless Communication
4	Mr. Channabasayya Mathad	Associate Professor	Wireless Communication
5	Mr. Prashanth NR	Associate Professor	VLSI Design & Embedded System
6	Dr. Hadimani Shivakumar	Associate Professor	Nano Dielectrics
7	Mr. Rudresh MD	Associate Professor	Signal Processing
8	Mr. Niranjana Swamy G S	Associate Professor	Power Electronics
9	Mrs. Prathibha C	Assistant Professor	Computer Science
10	Mr. Anand U Hiremath	Assistant Professor	DE&CS
11	Mr. Pradeepkumar SK	Assistant Professor	VLSI Design & Embedded System
12	Mr. Lohith MS	Assistant Professor	Signal processing
13	Mr. Sunil Kumar K M	Assistant Professor	DE&CS
14	Mrs. Smitha M M	Assistant Professor	Electronics
15	Mr. Nandeesh G S	Assistant Professor	DE&CS
16	Mrs. Chethana H S	Assistant Professor	VLSI Design & Embedded System
17	Mr. Sundaresh MP	Assistant Professor	Image Processing
18	Mrs. Nandini S	Assistant Professor	DE&CS

DEPARTMENT DAIRIES

INAUGURATION OF ECEA



Electronics & Communication Engineering Association was established in the year 1997 from some Pioneer Students of Electronics and Communication Engineering department with an intention of engaging students to take part in other activities along with academic activities.



The Department proudly marked a significant milestone with the inauguration of the Engineering Association on 20th Nov 2021, an initiative aimed at fostering innovation, collaboration, and professional growth among students and faculty. The grand event witnessed an overwhelming response, bringing together students, faculty, and distinguished guests.

The inauguration ceremony was graced by the presence of Mr. Vijaykumar Senior Engineer, Bosch who inspired the audience with their insightful address, emphasizing the importance of interdisciplinary learning and the role of engineering in shaping the future. The occasion also featured a lamp-lighting ceremony, symbolizing the quest for knowledge and enlightenment.



The Engineering Association aspires to provide a platform for students to showcase their technical prowess, engage in collaborative projects, and partake in knowledge-sharing activities. With an array of planned workshops, seminars, technical contests, and industry interactions, the association aims to create a thriving ecosystem that nurtures creativity and innovation.



The students' vibrant enthusiasm and the faculty's unwavering support promise a promising journey ahead for the association.

The inauguration concluded with a vote of thanks, marking the beginning of an exciting chapter for our college, where the spirit of engineering excellence takes center stage.

CONNECTING THEORY TO REALITY: INDUSTRIAL EXPLORATION

A Visit to Kudremukh iron ore company limited [KIOCL]

Students of our department had the incredible opportunity to visit Kudremukh Iron Ore Company Limited (KIOCL), Mangalore, one of India's renowned iron ore processing facilities on 9th June 2022. The visit provided a unique insight into the world of mining and mineral processing, bridging the gap between theoretical learning and practical applications.





The day began with a warm welcome and a briefing on the company's history, operations, and commitment to sustainable practices. Students explored various stages of iron ore beneficiation, pelletization, and the intricate technologies involved. Guided by experienced professionals, they were introduced to cutting-edge machinery, automation processes, and safety protocols that ensure efficient and environmentally friendly operations.

Interacting with industry experts offered students invaluable perspectives on real-world challenges and innovations in the field. This enriching experience broadened their horizons, inspiring them to apply their knowledge toward contributing to the engineering and industrial sectors.

Such visits continue to nurture the next generation of skilled and responsible professionals, igniting a passion for learning and innovation.

STUDENTS ENGAGEMENT

STUDENT INVOLVEMENT IN INTER- INSTITUTE COMPETITIONS AND ACTIVITIES

Sl.No	Student Name	USN	Date	Paper title/Conference Name/workshop/Hackathon	Place
1	VINAY MP	1KI18EC056	30th Jan 2022	Certificate of Participation in "Ecell Ambassador Program"	Bangalore
2	AKUTHOTA CHANDANASHREE	1KI19EC003	9th Sep 2021	Certificate of Participation in "Consultant Program"	Accenture Forage
3	AKUTHOTA CHANDANASHREE	1KI19EC003	15th Sep 2021	Certificate of Participation in "Python 101 for Data science"	Cognitive Class
4	AKUTHOTA CHANDANASHREE	1KI19EC003	20 th to 23 rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR"	Department of MBA, KIT, Tiptur
5	ANUSHA ANANDB	1KI19EC008	22nd Dec 2021	Certificate of Participation in "Cyber Security & Ethical Hacking Olympiad Training"	Knowledge Solutions India, Microsoft
6	CHAYAD	1KI19EC016	20th to 24th Sep 2021	Four days online FDP on "Python programming for AI Applications"	NIT, Warangal
7	CHINMAYAM	1KI19EC019	20th to 23rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR"	Department of MBA, KIT, Tiptur
8	DISHA S T	1KI19EC021	19th Jan 2022	Certificate of Participation in "Internship & Job Preparation"	Intershala Trainings
9	DISHA S T	1KI19EC021	20th to 23rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR"	Department of MBA, KIT, Tiptur
10	DISHA S T	1KI19EC021	5th September 2021	Certificate of Completion in "Artificial Intelligence(AI)Tools for Job Seekers(2021)"	Udemy

STUDENT INVOLVEMENT IN INTER- INSTITUTE COMPETITIONS AND ACTIVITIES

Sl.No	Student Name	USN	Date	Paper title/Conference Name/workshop/Hackathon	Place
11	DISHAST	1KI19EC021	5th September 2021	Certificate of Completion in "Consultant Program"	Accenture Forage
12	DISHAST	1KI19EC021	24th Jan 2022	Certificate of Participation in the "World Education Day Fair 2022"	Intershala Trainings
13	DISHAST	1KI19EC021	25th Oct 2021	Certificate of Appreciation in the "Registrations contest of Intershala Student Partner-24"	Intershala Trainings
14	GAGANA C J	1KI19EC023	20 th to 23 rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR"	Department of MBA, KIT, Tiptur
15	GARIMA M Hiremath	1KI19EC024	21st April 2022	Certificate of Completion in "Demonstrating Theoretical Understanding of C"	Sololearn
16	GAYTRIC N	1KI19EC025	21st April 2022	Certificate of Completion in "C Course"	Sololearn
17	GAYTRIC N	1KI19EC025	08th Sep 2021	Certificate of Completion in "Python Certification"	Perfect eLearning
18	GAYTRIC N	1KI19EC025	12th Sep 2021	Certificate of Completion in "Investment Management Virtual Internship Program"	Fortune Impact, Forage
19	GAYTRIC N	1KI19EC025	29th April 2022	Certificate of Completion in "Full Stack Web Development Program Demo Session"	Karan at Edureka
20	GAYTRIC N	1KI19EC025	11th Sep 2021	Certificate of Completion in "Accenture Discovery Program"	Accenture Forage

STUDENT INVOLVEMENT IN INTER- INSTITUTE COMPETITIONS AND ACTIVITIES

Sl.No	Student Name	USN	Date	Paper title/Conference Name/workshop/Hackathon	Place
21	HARSHITHA H P	1KI19EC029	21st April 2022	Certificate of Completion in "Theoretical Understanding of C"	Sololearn
22	HARSHITHA H P	1KI19EC029	20 th to 23 rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR	Department of MBA, KIT, Tiptur
23	HARSHITHA R	1KI19EC030	14th May 2022	Certificate of Completion in "Introduction to Data Science Course"	TechLearn.live
24	HARSHITHA R	1KI19EC030	30th Dec 2021	Certificate of Completion in "Why Critical Thinking is Important"	IBMSkillsBuild
25	HARSHITHA R	1KI19EC030	14th Dec 2021	Certificate of Participation in the workshop on "Introduction to Electromagnetism"	SKILL@LYNC
26	HARSHITHA R	1KI19EC030	Dec-2021 to Dec-2023	Received IETE Student Forum Certificate	IETE Membership
27	HARSHIYA H	1KI19EC031	20 th to 23 rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR	Department of MBA, KIT, Tiptur
28	KIRAN KUMAR J	1KI19EC035	22nd Oct to 18th Nov 2021	Certificate of Completion in "TCS ION Career Edge-Young Professional Course	TCS iON
29	LIKITHA A L	1KI19EC036	26th Sep 2021	Certificate of Completion in "Hong Kong SAR Virtual Internship Experience Programme"	Linklaters Forage
30	LIKITHA A L	1KI19EC036	27th Sep 2021	Certificate of Participation in "National Level-Online Quiz on Engineering Workshop	BIET, Telangana

STUDENT INVOLVEMENT IN INTER- INSTITUTE COMPETITIONS AND ACTIVITIES

Sl.No	Student Name	USN	Date	Paper title/Conference Name/workshop/Hackathon	Place
31	LIKITHA A L	1KI19EC036	28th Sep 2021	Certificate of Participation in "Rady, Set, Agile! Virtual Experience Program"	Cognizant Forage
32	LIKITHA A L	1KI19EC036	05th Jan 2022	Certificate of Completion in "Python for Beginners Course"	Sololearn
33	LIKITHA A L	1KI19EC036	20 th to 23 rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR"	Department of MBA, KIT, Tiptur
34	MEGHANA C A	1KI19EC038	20 th to 23 rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR"	Department of MBA, KIT, Tiptur
35	MITUSHREE M	1KI19EC039	25th Sep 2021	Certificate of Completion in "Online Course for Google Cloud Quiz"	iTronix Solutions
36	MITUSHREE M	1KI19EC039	1st to 30th September 2021	Successfully Completed Internship on Embedded and IOT	Tech-Fortune, Bangalore
37	MITUSHREE M	1KI19EC039	20 th to 23 rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR"	Department of MBA, KIT, Tiptur
38	MITUSHREE M	1KI19EC039	Dec-2021 to Dec-2023	Received IETE Student Forum Certificate	IETE Membership
39	NAMITHA B S	1KI19EC040	11th Jan 2022	Certificate of Completion in "C-Basics"	Learn Tube by Careerninja
40	NAMITHA B S	1KI19EC040	20 th to 23 rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR"	Department of MBA, KIT, Tiptur

STUDENT INVOLVEMENT IN INTER- INSTITUTE COMPETITIONS AND ACTIVITIES

Sl.No	Student Name	USN	Date	Paper title/Conference Name/workshop/Hackathon	Place
41	NAVYASHREE KN	1KI19EC042	14th Sep 2021	Certificate of Completion in "Consultant Program"	Accenture Forage
42	SANJANA R	1KI19EC055	1st to 30th September 2021	Successfully Completed Internship on Embedded and IOT	Tech-Fortune, Bangalore
43	SHEETHAL TG	1KI19EC056	Dec-2021 to Dec-2023	Received IETE Student Forum Certificate	IETE Membership
44	SREELAKSHMI TM	1KI19EC058	21st April 2022	Certificate of Completion in "Theoretical Understanding of C"	Sololearn
45	SREELAKSHMI TM	1KI19EC058	20 th to 23 rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR"	Department of MBA, KIT, Tiptur
46	VARUN PR	1KI19EC062	21st to 25th March 2022	Certificate of Completion in "Starting with Aptitude Preparation"	TalentBattle
47	Vidyashree H	1KI19EC064	16th Sep 2021	Certificate of Completion in "Consultant Program"	Accenture Forage
48	Vidyashree H	1KI19EC064	13th March 2021	Certificate of Attending the Talk in "How to Ace your Summer Internship"	Intershala Trainings
49	Vidyashree H	1KI19EC064	20 th to 23 rd December 2021	Completed 4 Days workshop on "Emerging Exponential Technologies -AI, IOT, DS, AR & VR"	Department of MBA, KIT, Tiptur
50	ANITHA D	1KI20EC400	Dec-21	Certificate of Completion in "Java Programming Online Course"	Great Learning Academy
51	ANITHA D	1KI20EC400	28th Dec 2021	Certificate of Completion in "10 Time Management Tips to Boost Your Productivity"	IBM SkillsBuild

STUDENT INVOLVEMENT IN INTER- INSTITUTE COMPETITIONS AND ACTIVITIES

Sl.No	Student Name	USN	Date	Paper title/Conference Name/workshop/Hackathon	Place
52	ANITHA D	1KI20EC400	31st Dec 2021	Certificate of Completion in "8 Remote Working Tips for Beginners"	IBM SkillsBuild
53	ANITHA D	1KI20EC400	22nd Dec 2021	Certificate of Completion in "Which Programming Language Should I Learn First?"	IBM SkillsBuild
54	ANITHA D	1KI20EC400	30th Dec 2021	Certificate of Completion in "Why Critical Thinking is Important"	IBM SkillsBuild
55	ARPITHA N A	1KI20EC401	21st to 25th March 2022	Certificate of Completion in "Starting with Aptitude Preparation"	TalentBattle
56	ARPITHA N A	1KI20EC401	Oct-21	Certificate of Completion in "Online Java Programming Course"	Great Learning Academy
57	ARPITHA N A	1KI20EC401	11th April to 10th May 2022	Certificate of Participation in "30 days Master Class on Java Programming"	Pantech e Learning, Chennai
58	ARPITHA N A	1KI20EC401	09th Sep 2021	Certificate of Completion in "Consultant Program"	Accenture Forage
59	DEEPIKA T S	1KI20EC404	Dec-21	Certificate of Completion in "Java Programming Online Course"	Great Learning Academy
60	DEEPIKA T S	1KI20EC404	28th Dec 2021	Certificate of Completion in "10 Time Management Tips to Boost Your Productivity"	IBM SkillsBuild
61	DEEPIKA T S	1KI20EC404	31st Dec 2021	Certificate of Completion in "8 Remote Working Tips for Beginners"	IBM SkillsBuild
62	DEEPIKA T S	1KI20EC404	May-21	Certificate of hours of Learning on "Machine Learning by Stanford"	Cursa
63	ROHANY	1KI20EC033	23rd June 2022	Participated in 3rd South Indian Project Exhibition organized by Mechanical Department	Kalpataru Institute of Technology, Tiptur

TOP OF THE CLASS

TOPPER LIST OF ODD SEM 2021

SEM	USN	NAME	CGPA
1	1KI21EC019	CHANDANAD	9.40
3	1KI20EC013	CHETHAN K R	8.81
5	1KI19EC021	DISHA S T	9.58
	1KI19EC036	LIKHITHA A L	9.58
7	1KI18EC035	RANGANATHASWAMY Y S	9.34

TOPPER LIST OF EVEN SEM 2022

SEM	USN	NAME	CGPA
2	1KI21EC019	CHANDANAD	9.50
4	1KI20EC013	CHETHAN K R	8.58
6	1KI19EC036	LIKHITHA A L	9.51
8	1KI18EC035	RANGANATHASWAMY Y S	9.36

PLACEMENT ACHIEVEMENTS AT A GLANCE

Sl.No.	Student Name	USN	On/Off Campus	Company
1	Amulya S	1KI18EC001	On Campus	IBEON
				MAGNASOFT
				TURING MINDS
2	Ananya KM	1KI18EC002	On Campus	RINEX
3	Anusha HV	1KI18EC003	On Campus	Q SPIDERS
				WRKSBOT
4	Arpitha TC	1KI18EC006	On Campus	WRKSBOT
5	Chandana SM	1KI18EC008	On Campus	PALLE TECHNOLOGIES
				HARMAN
6	Chitrashree DS	1KI18EC012	On Campus	PALLE TECHNOLOGIES
			On Campus	HEXAWARE
7	Devaraj HU	1KI18EC013	On Campus	IBEON
8	Dileep Kumar G	1KI18EC014	On Campus	MAGNASOFT
				TURING MINDS
9	Gururaj Kumar M	1KI18EC015	On Campus	MAGNASOFT
10	Jahnavi AS	1KI18EC017	On Campus	TECHMILL
11	Karthik HK	1KI18EC019	On Campus	TCS
12	Kavya HM	1KI18EC020	On Campus	MAGNASOFT
13	Kavya K	1KI18EC021	OFF Campus	HCL
			On Campus	IPOEX
14	Keerthana JV	1KI18EC022	On Campus	WRKSBOT
15	Megha L	1KI18EC026	OFF Campus	SASKEN
16	Nazia Tabassum Khanum	1KI18EC029	On Campus	TCS
			On Campus	SCII
17	Prajwal I	1KI18EC031	OFF Campus	QUEST GLOBAL
			On Campus	TECHMILL
18	Prajwal N	1KI18EC032	On Campus	MAGNASOFT
19	Rachana BP	1KI18EC033	On Campus	Q SPIDERS
			On Campus	RINEX
			On Campus	DESTINATION TECHNOLOGIES
			OFF Campus	CAPGEMINI

CONTINUED...

Sl.No.	Student Name	USN	On/Off Campus	Company
20	Raganath Swamy Y S	1KI18EC035	OFF Campus	HCL
			On Campus	DESTINATION TECHNOLOGIES
			OFF Campus	CAPGEMINI
21	Shivakumar J	1KI18EC038	On Campus	Q SPIDERS
				MAGNASOFT
22	Simran	1KI18EC039	OFF Campus	CAPGEMINI
23	Sinchana B S	1KI18EC040	On Campus	ALTENCALSOFT LABS
				WRKSBOT
24	Sneha J	1KI18EC041	On Campus	Q SPIDERS
				MAGNASOFT
				WRKSBOT
25	Sonu M	1KI18EC042	On Campus	TCS
			On Campus	WIPRO
26	Soundarya R	1KI18EC043	On Campus	MAGNASOFT
27	Spoorti Hadagali	1KI18EC044	On Campus	Q SPIDERS
28	Sudhakar K N	1KI18EC045	On Campus	PALLE TECHNOLOGIES
				Q SPIDERS
				IBEON
				RINEX
				TURING MINDS
29	Sukruth Gowda K P	1KI18EC046	On Campus	MAGNASOFT
30	Supriya Y R	1KI18EC047	On Campus	SCII
			On Campus	HARMAN
			OFF Campus	CAPGEMINI
31	Syed Afrath	1KI18EC050	On Campus	HARMAN
			OFF Campus	CAPGEMINI
			On Campus	6D TECHNOLOGIES
32	Syed Asif	1KI18EC050	On Campus	WRKSBOT
33	Vaishnavi S	1KI18EC053	On Campus	Q SPIDERS
				PCS TECH
34	Veena C R	1KI18EC054	On Campus	MAGNASOFT
35	Vidya L	1KI18EC055	On Campus	DESTINATION TECHNOLOGIES
36	Shila L B	1KI19EC409	On Campus	PALLE TECHNOLOGIES
37	Sneha T U	1KI19EC410	On Campus	MAGNASOFT
38	Yeshvanth R.O	1KI19EC412	On Campus	MAGNASOFT

NURTURING EXCELLENCE: FACULTY'S ROLE IN PROFESSIONAL DEVELOPMENT

Sl. No	Name Of the Faculty	Details Of the Participation	Number Of Days	JULY 21 TO JUNE 22
1	Prof. Channabasayya Mathad	"Recent Advancement in Electric Vehicle Technology"	05	18 To 23 Oct 2021
2	Prof. Prashanth NR	"Empowerment of Agriculture using Modern technology"	05	23 To 27 May 2022
3	Prof. Hadimani Shivakumar	AICTE "VTU joint training program for teachers(VTU HRDC)"	05	13 To 17 Dec-2021
4	Prof. Prathibha C	1) "Digital VLSI Design and Verification".	05	23 To 27 Aug 2021
		2) "Current ERA a technology driven digital transformation in industry 4.0"	06	30 Aug To 04 Sep 2021
		3) "Outcome Based Education: In perspective to NEP 20202"	05	13 To 18 Dec 2021
5	Prof. Pradeepkumar SK	1) "Introduction to Microchip FPGA"	05	19 To 23 July 2021
		2) "Digital VLSI Design and Verification"	05	23 To 27 Aug 2021
		3) "Current ERA a technology driven digital transformation in industry 4.0"	06	30 Aug To 04 Sep 2021
		4) "Data Analytics using AI and ML"	05	12 To 17 Apr 2021
6	Prof. Sunil Kumar KM	"Empowerment of Agriculture using Modern technology"	05	23 To 27 May 2022

ACADEMIC EXCELLENCE: FACULTY RESEARCH AND PUBLICATIONS HIGHLIGHTS

JOURNAL PUBLICATIONS FOR THE YEAR 2021-22 (JULY 2021 - JUNE 2022)			
FACULTY NAME	TITLE	PUBLICATION DETAILS	REMARKS
Dr. S V Rajashekararadhya	An Enhanced Face Detection System using A Novel FIS-CDNN Classifier	International Journal of Advanced Computer Science and Applications, (IJACSA)	Vol. 13, No. 12, 2022 Page no 500-511 www.ijacsa.thesai.org
GS Nandeesh	Multi-Noisenet Convolutional Neural Network Model for Colour Image Restoration	Semiconductor Optoelectronics,	Vol. 41 No. 11 (2022), 216-227 ISSN;5868 Page No 216-227 https://bdtgd.cn /
MP Sundresh	Multi-Noisenet Convolutional Neural Network Model for Colour Image Restoration	Semiconductor Optoelectronics,	Vol. 41 No. 11 (2022), 216-227 ISSN;5868 Page No 216-227 https://bdtgd.cn /
Dr Lohith MS	Multimodal Biometric Person Authentication Using Face, Ear and Periocular Region Based on Convolution Neural Networks	International Journal of Image and Graphics World Scientific Publishing Company	(2022) 2350019 Page no-1-16 DOI: 10.1142/S0219467823500195



Unveiling the Power of AI: Transforming Industries

Artificial Intelligence (AI) is no longer a futuristic concept; it is a powerful reality transforming industries across the globe. From healthcare to agriculture, AI is rewriting the rules and opening doors to unprecedented opportunities.

In healthcare, AI-powered tools are enabling faster and more accurate diagnoses. Machine learning algorithms analyse medical data to detect patterns that would take humans significantly longer to uncover. This not only saves time but also improves patient outcomes. For instance, AI-driven imaging technologies are revolutionizing cancer detection and treatment planning.

Similarly, the manufacturing sector is witnessing a revolution with AI-driven automation. Robots equipped with AI are enhancing productivity by performing repetitive tasks with precision while reducing human errors. Predictive maintenance using AI minimizes downtime by identifying potential machine failures before they happen, saving costs and time.

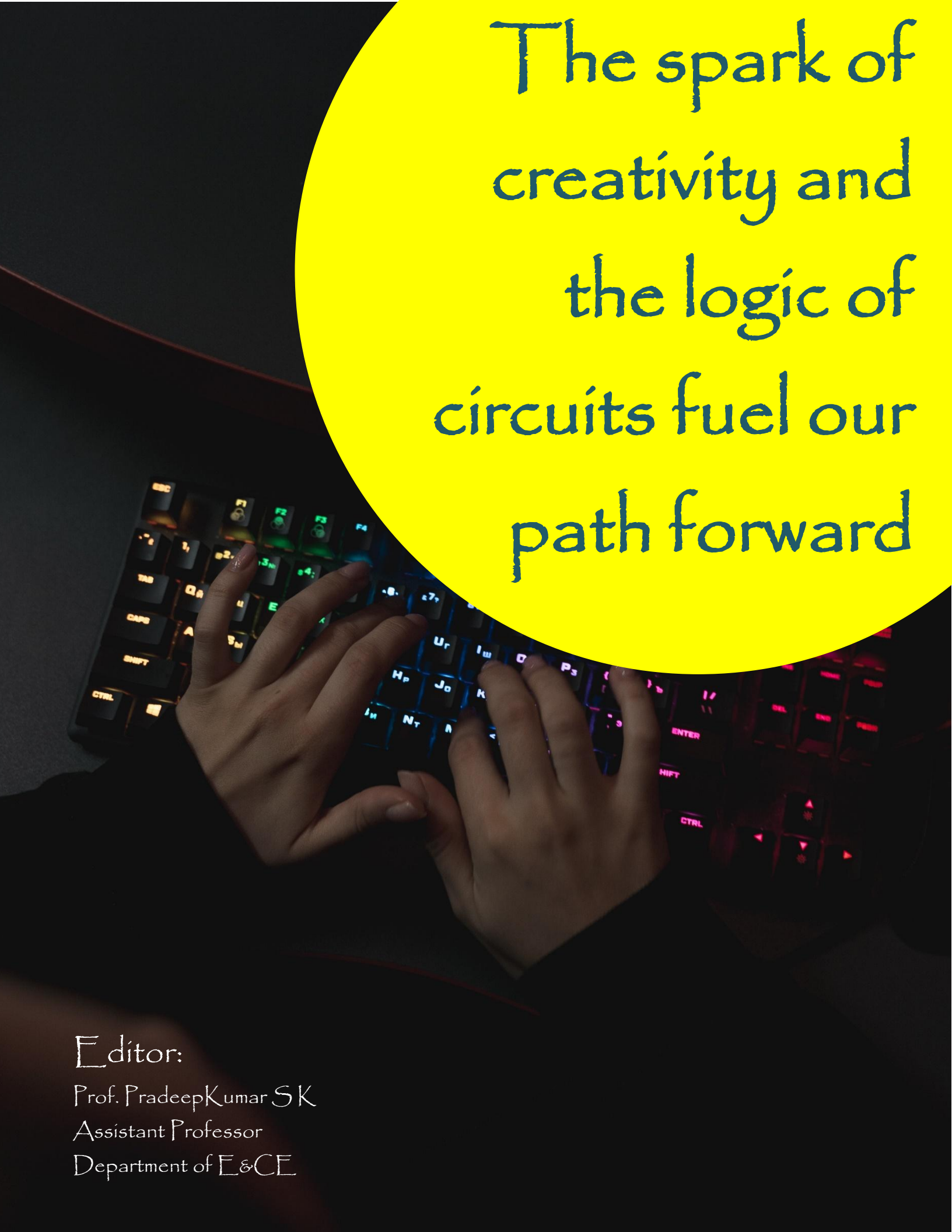
Retail and e-commerce are also leveraging AI to personalize customer experiences. Recommendation engines analyse user behaviour to suggest products tailored to individual preferences, boosting sales and customer satisfaction. Moreover, AI chatbots provide instant customer support, offering seamless interactions and improving service quality.

Even agriculture has embraced AI to optimize crop management. AI-powered drones and sensors monitor fields, providing insights into soil health, irrigation needs, and pest control. This leads to better resource management and higher yields, ensuring food security in a growing world.

However, the power of AI is not without challenges. Ethical concerns, job displacement, and data privacy issues need to be carefully navigated as industries continue to adopt these technologies. Policymakers, businesses, and technologists must collaborate to ensure AI is used responsibly and inclusively.

In conclusion, AI is an unstoppable force shaping the future of industries. By harnessing its power wisely, we can create a world where innovation and progress go hand in hand with ethical responsibility.



A photograph of a person's hands typing on a backlit keyboard. The keyboard has blue and red lighting. A large yellow circle is overlaid on the right side of the image, containing the text 'The spark of creativity and the logic of circuits fuel our path forward'.

The spark of
creativity and
the logic of
circuits fuel our
path forward

Editor:

Prof. Pradeep Kumar SK

Assistant Professor

Department of E&CE