



With the Blessings of our Dearest Parents



FOUNDER CHAIRMAN

Dr. K. E. Mangrulkar, M.D.

Downloaded by:

*Vishnu looks forward and becomes duty.

What feels inward and becomes aspiration.

Vigilant looks upward and became faith.



HARRY R. SCHWARTZ, D.D.M., M.D.S.

4. Keep sense of appreciation, gratitude and joy surge through my heart as I greet you through the columns of this department magazine. Publishing a magazine today is indeed a tedious and herculean task. In recent years, when our students are concerned more about their academic excellence, they have to be coaxed, persuaded and encouraged to exhibit their writing talents.

Principal's Message

Words from the Principal's pen.....

It gives me immense pleasure in presenting the department magazine for the session

2022 - 2023



Dr. P. Senthil Kumar Today KJACE is not just a college but is a FAMILY in which the educational community, the management, staff, students, parents and alumni work united to foster this FAMILY SPIRIT.

Creating industry ready, globally competitive students and socially acceptable human beings as citizens of India. I heartily congratulate Prof. Ramesh, Coordinator and his team members who have taken pains to bring out this magazine.

"Education is the manifestation of perfection already in man"

Sivam Vivekananda

Principal, KJACE



2. **Abstract** (100-150 words)



As the summer sun plays pleasantly to heat up everything, the creativity and ideas in every lecture of our department is (being) to project further ideas and skills. On behalf of the national board, proudly presenting **DISSENTING VOICES** assigned with a name to honour the story by learning a platform for intellectual ideas.

The goal of creativity lies in the effort to unveil creative ideas. The power of this article lies in its forward and wide **SUGGESTIVE** idea, a **CRISIS**.

We are thankful to all who contributed to fulfil our dream. That and beyond, we thank our Chairman who was always with us, to provide a wonderful platform to launch the journal. I extend my sincere thanks to our Principal who played a role in the forefront to encourage and inspire to execute wonderful ideas.

It should be clear under V.I. art. 10 mandating the effort of national team who dream together to bring out 2000. I thank all students and faculty coordinators for their overwhelming support. I thank all faculty who helped us in proof-reading. I close with all dreaming students of 2000 a bright future ahead I would like to conclude by quoting few words of Carter president Dr. A. R. J. Abdul Kalam, who pronounced the power of dreaming.

"Dream, Dream, Dream: transfer into thoughts and thoughts result in action. Success will be yours."

Worksheet Number: _____

VISION OF THE DEPARTMENT

We envision a department that leads in the field of Electrical and Electronic Engineering through education, training and research committed to influence the direction of the field and make a constructive contribution to society wherein the Department continues and grows.

MISSION OF THE DEPARTMENT

To create professionally competent and resourceful Electrical and Electronic Engineers.

To provide excellence in teaching, pioneering research and innovation for a sustainable growth of the nation and continent of humanity.

DEPARTMENT PROFILE

The Department of Electrical and Electronics Engineering (EEE) was started in the year 1992 with an intake of 60 students. Over the years the Department has steadily grown and currently the student's intake is 60. Along with B.E. the Department also offers an Ute M.E. degree programme in Power Electronics & Drives. Online based self system is introduced in regulation 2018.

The Department has been accredited by the National Board of Accreditation (NBA), New Delhi. The Department has good infrastructure with well-equipped laboratories and an exclusive Departmental Library.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Employability and Higher studies: Equip a professional career and/or higher education by creating knowledge in basic engineering, science and mathematics in Electrical and Electronics Engineering.

Sustainable Engineering Solutions: Develop and apply engineering solutions for solving contemporary issues and human needs with ethical considerations through multidisciplinary.

Interpersonal and Global Proficiency: Uphold professional and ethical standards, effective communication skills, teamwork spirit and multidisciplinary approach for successful careers in Indian and International companies and to engage in lifelong learning. PGE1 : PGE2

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

PO1 Engineering Knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2 System Analysis:

Identify, formulate, review relevant literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 Design/Development of Solutions:

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4 Conduct Investigations of Complex Problems:

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5 Modern Tool Usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6 The Engineer and Society:

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7 Environment and Sustainability

Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.

PO8 Ethics

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 Individual and Team Work

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 Communications

Communicate effectively in complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11 Project Management and Finance

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12 Life-long Learning

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Proficiency in Core: Explain the generation, transmission, distribution and utilization of electrical power.

Professional Skill: Formulate the testing procedures needed to make the measurements of electrical and electromagnetic quantities and to provide solution to the real time problems.





DR. S. RAMKUMAR Ph.D. & M.B.A.	
	DR. P. SUGANYA Ph.D.
DR. M. VIJAYAKUMAR Ph.D.	
	DR. C. GOWRI SHANKAR Ph.D.
DR. V. RAVI Ph.D.	

	DR. M. RAMASAMY ASSOCIATE PROFESSOR
DR. E. VANI ASSOCIATE PROFESSOR	
	DR. R. SANKAR GANESH ASSOCIATE PROFESSOR
MRS. M. SORNALATHA ASSOCIATE PROFESSOR	
	MRS. K. YAMUNA ASSOCIATE PROFESSOR

DR. H. KUMARASAN ASSISTANT PROFESSOR	
	DR. S. SENTHILKUMAR ASSISTANT PROFESSOR
DR. M. VIJAYAKUMAR ASSISTANT PROFESSOR	
	MR. A. VARANTHEI ASSISTANT PROFESSOR
MR. M. SUBRAMANI ASSISTANT PROFESSOR	

	MRS. B. YUVARANI Assistant Professor
MR. S. GOWTHAM Assistant Professor	
	MR. R. CHANDRASEKAR Assistant Professor
MR. E. KANNAN Assistant Professor	
	MR. S. CHINNAIVA Assistant Professor

MRS. DEIVAGAR ASSISTANT PROFESSOR	
	DR. J. THIYAGARAJAN ASSISTANT PROFESSOR

Week Number Date Range	Activity Topic	Start Date	End Date	Activity Type	Other Activities Learning Goals/Outcomes
Week 1 10/10 - 10/16	Introduction to Design Thinking	10/10/2023	10/16/2023	Workshop	Understand the Design Thinking process and its importance in innovation.
Week 2 10/17 - 10/23	Design Thinking: Empathize	10/17/2023	10/23/2023	Workshop	Learn how to empathize with users and understand their needs.
Week 3 10/24 - 10/30	Design Thinking: Define	10/24/2023	10/30/2023	Workshop	Learn how to define the problem and create a clear problem statement.
Week 4 10/31 - 11/06	Design Thinking: Ideate	10/31/2023	11/06/2023	Workshop	Learn how to generate ideas and create prototypes.
Week 5 11/07 - 11/13	Design Thinking: Prototype	11/07/2023	11/13/2023	Workshop	Learn how to create prototypes and test them.
Week 6 11/14 - 11/20	Design Thinking: Test	11/14/2023	11/20/2023	Workshop	Learn how to test prototypes and gather feedback.
Week 7 11/21 - 11/27	Design Thinking: Implement	11/21/2023	11/27/2023	Workshop	Learn how to implement the solution and measure its impact.
Week 8 11/28 - 12/04	Design Thinking: Review	11/28/2023	12/04/2023	Workshop	Learn how to review the process and reflect on the experience.
Week 9 12/05 - 12/11	Design Thinking: Final Project	12/05/2023	12/11/2023	Workshop	Learn how to complete the final project and present it.
Week 10 12/12 - 12/18	Design Thinking: Reflection	12/12/2023	12/18/2023	Workshop	Learn how to reflect on the experience and what you have learned.



1. Introduction 2. Literature Review 3. Methodology 4. Data Collection 5. Data Analysis 6. Results and Discussion 7. Conclusion	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	100	100	100
8. Discussion 9. Conclusion 10. Future Research	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	100	100	100
11. Introduction 12. Literature Review 13. Methodology 14. Data Collection 15. Data Analysis 16. Results and Discussion 17. Conclusion	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	100	100	100
18. Discussion 19. Conclusion 20. Future Research	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	100	100	100
21. Introduction 22. Literature Review 23. Methodology 24. Data Collection 25. Data Analysis 26. Results and Discussion 27. Conclusion	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	100	100	100
28. Discussion 29. Conclusion 30. Future Research	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	Journal of Management Information Systems Volume 30, Number 1 Spring 2014	100	100	100



Editorial Special Issue: Leadership	Editorial Introduction: Leadership in the 21st Century	Journal of Management Education	Vol. 45, No. 1	pp. 1-10	100
Editorial Special Issue: Leadership	Editorial Introduction: Leadership in the 21st Century	Journal of Management Education	Vol. 45, No. 1	pp. 11-20	110
Editorial Special Issue: Leadership	Editorial Introduction: Leadership in the 21st Century	Journal of Management Education	Vol. 45, No. 1	pp. 21-30	120
Editorial Special Issue: Leadership	Editorial Introduction: Leadership in the 21st Century	Journal of Management Education	Vol. 45, No. 1	pp. 31-40	130
Editorial Special Issue: Leadership	Editorial Introduction: Leadership in the 21st Century	Journal of Management Education	Vol. 45, No. 1	pp. 41-50	140
Editorial Special Issue: Leadership	Editorial Introduction: Leadership in the 21st Century	Journal of Management Education	Vol. 45, No. 1	pp. 51-60	150
Editorial Special Issue: Leadership	Editorial Introduction: Leadership in the 21st Century	Journal of Management Education	Vol. 45, No. 1	pp. 61-70	160
Editorial Special Issue: Leadership	Editorial Introduction: Leadership in the 21st Century	Journal of Management Education	Vol. 45, No. 1	pp. 71-80	170
Editorial Special Issue: Leadership	Editorial Introduction: Leadership in the 21st Century	Journal of Management Education	Vol. 45, No. 1	pp. 81-90	180



D. Roberts (PhD)	Hybrid Learning for Tomorrow's Work From Theory to Practice	International Journal of Distance Education Research Technology	Vol. 1, No. 1	pp. 101-111	101
A. Smith, L. Brown, B. Johnson, C. Williams, D. Taylor	Using Technology for Distance Learning Success	International Journal of Distance Education Research Technology	Vol. 1, No. 1	pp. 112	112

Year 2023

Author(s)	Title of the paper	Title of the journal	Volume	Page No.	Year
A. Smith, B. Johnson, C. Williams, D. Taylor	Using Technology for Distance Learning Success	International Journal of Distance Education Research Technology	Vol. 1, No. 1	pp. 112	2023
A. Smith, B. Johnson, C. Williams, D. Taylor	Using Technology for Distance Learning Success	International Journal of Distance Education Research Technology	Vol. 1, No. 1	pp. 112	2023
A. Smith, B. Johnson, C. Williams, D. Taylor	Using Technology for Distance Learning Success	International Journal of Distance Education Research Technology	Vol. 1, No. 1	pp. 112	2023



1. Project Overview 2. Objectives 3. Scope 4. Stakeholders 5. Risks	6. Introduction 7. Background 8. Problem Statement 9. Objectives 10. Scope	11. Methodology 12. Data Collection 13. Data Analysis 14. Results 15. Conclusion	16. Introduction 17. Background 18. Problem Statement 19. Objectives 20. Scope	21. Methodology 22. Data Collection 23. Data Analysis 24. Results 25. Conclusion	26. Introduction 27. Background 28. Problem Statement 29. Objectives 30. Scope	31. Methodology 32. Data Collection 33. Data Analysis 34. Results 35. Conclusion
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INTELLECTUAL PROPERTY

Year: 2021-2022

Type	Inventor	Applicant No.	Date	Status
Software	D. J. Smith D. J. Smith D. J. Smith	10000001	10/01/2021	Filed
Software	D. J. Smith D. J. Smith	10000002	10/01/2021	Filed
Software and hardware for use in the system for processing data and for processing data	D. J. Smith D. J. Smith D. J. Smith	10000003	10/01/2021	Filed
Software and hardware for use in the system for processing data and for processing data	D. J. Smith D. J. Smith	10000004	10/01/2021	Filed
Software	D. J. Smith D. J. Smith	10000005	10/01/2021	Filed
Software and hardware for use in the system for processing data and for processing data	D. J. Smith D. J. Smith	10000006	10/01/2021	Filed
Software	D. J. Smith D. J. Smith	10000007	10/01/2021	Filed
Software and hardware for use in the system for processing data and for processing data	D. J. Smith D. J. Smith	10000008	10/01/2021	Filed
Software and hardware for use in the system for processing data and for processing data	D. J. Smith D. J. Smith	10000009	10/01/2021	Filed
Software and hardware for use in the system for processing data and for processing data	D. J. Smith D. J. Smith	10000010	10/01/2021	Filed



FACULTY AS PARTICIPANTS IN VARIOUS PROGRAMMES

Name of the Faculty	Name of the Event/Title	Duration/Period/No. of Days	Date of the Event	Organized by	Place	No. of Faculty Members
Dr. J. S. S. S.	Workshop on IT Skills Training	1 Day	10/11/2023	IT Skills Training	Online	10
Dr. J. S. S. S.	Workshop on IT Skills Training and Learning in Management (WITSLM)	1 Day	10/11/2023	WITSLM	Online	10
Dr. J. S. S. S.	Workshop on IT Skills Training and Learning in Management (WITSLM)	1 Day	10/11/2023	WITSLM	Online	10
Dr. J. S. S. S.	Workshop on IT Skills Training and Learning in Management (WITSLM)	1 Day	10/11/2023	WITSLM	Online	10
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Dr. J. S. S. S.	Workshop on IT Skills Training and Learning in Management (WITSLM)	1 Day	10/11/2023	WITSLM	Online	10
Dr. J. S. S. S.	Workshop on IT Skills Training and Learning in Management (WITSLM)	1 Day	10/11/2023	WITSLM	Online	10
Dr. J. S. S. S.	Workshop on IT Skills Training and Learning in Management (WITSLM)	1 Day	10/11/2023	WITSLM	Online	10



1. Overview	Overview of the Company and Industry	2021-2022	2021-2022	2021-2022	2021-2022	2021-2022
2. Financial	Financial Performance	2021-2022	2021-2022	2021-2022	2021-2022	2021-2022
3. Operations	Operational Performance	2021-2022	2021-2022	2021-2022	2021-2022	2021-2022
4. Human Resources	Human Resources	2021-2022	2021-2022	2021-2022	2021-2022	2021-2022
5. Technology	Technology	2021-2022	2021-2022	2021-2022	2021-2022	2021-2022
6. Environmental, Social & Governance (ESG)	Environmental, Social & Governance (ESG)	2021-2022	2021-2022	2021-2022	2021-2022	2021-2022
7. Future Outlook	Future Outlook	2021-2022	2021-2022	2021-2022	2021-2022	2021-2022

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2023-2024 Term	2023-2024 Term	2023-2024 Term	2023-2024 Term	2023-2024 Term	2023-2024 Term	2023-2024 Term
2023-2024 Term	Operation of Machine Learning Algorithms for Image Recognition	Artificial Intelligence	2023-2024	Operation of Machine Learning Algorithms for Image Recognition and Classification	2023-2024	2023-2024
2023-2024 Term	Machine Learning Algorithms for Image Recognition	Artificial Intelligence	2023-2024	Machine Learning Algorithms for Image Recognition and Classification	2023-2024	2023-2024
2023-2024 Term	Operation of Machine Learning Algorithms for Image Recognition	Artificial Intelligence	2023-2024	Machine Learning Algorithms for Image Recognition and Classification	2023-2024	2023-2024
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2023-2024 Term	Machine Learning Algorithms for Image Recognition	Artificial Intelligence	2023-2024	Machine Learning Algorithms for Image Recognition and Classification	2023-2024	2023-2024

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STUDENT ACTIVITIES

S.N.	Name of student	Name of the activity	Date	Organized by	Estimated Value
1	V.12 prashant	Page Illustration	01.09.2021	Shriharsh College of Technology	5
2	A.P. prashant	Page Illustration	01.09.2021	Shriharsh College of Technology	5
3	S. Ananya	COLLEGE WALL	01.09.2021 4.11.2021	Anna University Tamil Nadu Engineering College	5
4		online - 20p long	27.11.2021	Anna University Tamil Nadu online Institute of Technology	1
5		4000 words	01.11.2021	Anna University Tamil Nadu online Institute of Technology	5
6	Varun J	Free Drawing Painting	11.09.2021	S.S.S. College of Engineering Tamil Nadu	1
7	Varun D	Illustration, Tamil	01.09.2021	S.S.S. College of Engineering Tamil Nadu	5
8	Varun D	Illustration, Tamil	11.09.2021	Shriharsh College of Technology Tamil Nadu	5
9	Varun D	Illustration, Tamil	11.09.2021	Shriharsh College of Technology Tamil Nadu	5
10	Harshvardhan H	Illustration - English	01.09.2021	S.S.S. College of Engineering Tamil Nadu	5
11	Harshvardhan H	Page Illustration	01.09.2021	Anna University	5
12	Harshvardhan H	Page Illustration	01.09.2021	Anna University	5

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10	Engineering 1	Introduction Lecturer	17.0.2023	Engineering College	First Year
11	Engineering 2	Introduction Lecturer	17.0.2023	Engineering College	First Year
12	Mathematics 1	Introduction Lecturer	17.0.2023	Engineering College	First Year
13	Physics 1	Introduction Lecturer	17.0.2023	Engineering College	First Year
14	Chemistry 1	Introduction Lecturer	17.0.2023	Engineering College	First Year

INDUSTRIAL VISITS







MYRIAD ACTIVITIES

2023-2024

Centre of Excellence in Embedded Systems



Hands on Training on Artificial Programming and Sensor





Mini Project Expo 2023







DR. S SENTHILKUMAR RECEIVING AWARD FOR GETTING GENERAL GRANT



EEE NOD - DR. S. RAMISH RECEIVING AWARD



MOU SIGNING WITH SEVERA COIL WINDING, ERODE





CLASS COMMITTEE MEETING



Value Added Company in IoT and Sensor Integration for Diverse Applications -
With Caliber Embedded Technologies, India Pvt. Ltd., Salem







TAC ON "DESIGN AND FABRICATION OF PRINTED CIRCUIT BOARD (PCB) USING PHOTORESIST TECHNIQUE"





FIRST-TECH TECHNICALLY SPONSORED INTERNATIONAL CONFERENCE ON
ADVANCED ELECTRICAL, ELECTRONICS AND COMPUTATIONAL
INTELLIGENCE
(DATE: 18-19 OCTOBER 2024) FIRST-TECH TECHNICALLY SPONSORED
18-19 OCTOBER 2024 FIRST-TECH TECHNICALLY SPONSORED









VAC 03-PROGRAMMABLE LOGIC CONTROLLER (PLC)



NATIONAL LEVEL TECHNICAL SYMPOSIUM - GRID 2K21







