



R.M.K. ENGINEERING COLLEGE (An Autonomous Institution)



Annual Newsletter 2022-23

DEPARTMENT OF INFORMATION TECHNOLOGY



Knowledge Partner & Powered by

virtusa

PATRONS

Smt. Manjula Munirathinam

Chairperson

Shri. Dr. R. S. Munirathinam

Founder & Chairman

Shri. R. Jothi Naidu

Director

Shri. R. M. Kishore

Vice-Chairman

Shri. Yalamanchi Pradeep

Secretary

Dr. Durgadevi Pradeep

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Dr. K.A. Mohamed Junaid

Principal

Dr. Elwin Chandra Monie

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Dr. K. K. Sivagnana Prabhu

Dean-Career Development Centre

Chief Editor

Dr. M. Sheerin Banu

Professor & Head - IT

Dr. S. Radhika

Professor

Dr. K. Saravanan

Associate Professor

Dr. S. Selvakanmani

Associate Professor

Dr.M.Jayaprakash

Associate Professor

Dr.T.Mahalingam

Associate Professor

Dr.A.Vijayaraj

Associate Professor

Ms. R. Rajitha Jasmine

Assistant Professor

Mr. L. Vinoth Kumar

Assistant Professor

Ms. M. Rekha

Assistant Professor

Mr. N. Shanmugam

Assistant Professor

Ms. S. Shobana

Assistant Professor

Ms. K. Selvi

Assistant Professor

Ms. M. Kanniga Parmeshwari

Assistant Professor

Ms. R. Karthiga

Assistant Professor

VISION & MISSION

VISION

- ✓ To be the most preferred destination in the country for imparting education in Information Technology, at the undergraduate and research levels.
- ✓ To transform the learners into innovators at the global level to provide solutions for emerging societal challenges.

MISSION

- ✓ To provide an infrastructure and adopt creative teaching techniques to promote participatory learning.
- ✓ To develop high personal and professional values, technical competence and a spirit of innovation and entrepreneurship.
- ✓ To encourage the desire for higher learning and research, to address global challenges.
- ✓ Collaborate with industry to gain knowledge on their current trends.
- ✓ To provide opportunity for nurturing skills that leads to career excellence.



ABOUT THE DEPARTMENT

The Department of Information Technology was started in the year 1999 with an intake of 30 students in B.Tech Information Technology and at present, the sanctioned intake is 120. The National Board of Accreditation (NBA), New Delhi, has accredited the Program B.Tech Information Technology. The Department aims at providing domain specific training and skills to the students for pursuing a career in Information Technology. Our mission is to create a conducive environment for technical learning, fostering a desire for higher education and research in the field of Information Technology. Additionally, we aim to equip our learners with the necessary skills to tackle global challenges, nurture an entrepreneurial and innovative mindset. We provide personalized care and counseling to our students, ensuring their holistic development. A dedicated team of 16 faculty members contributes to the holistic development of students. The faculty team includes Two Professors, Five Associate Professors and Nine Assistant Professors.

The Department has well-equipped state-of-the-art laboratory facilities to carry out various projects, research and consultancy activities. The department has received AICTE-CII Award 2018 for the Best Industry-Linked Institute for Computer & IT Engineering & Allied Courses (Established-Degree).

Virtusa Consulting Services Pvt. Ltd., our esteemed Knowledge Partner, contributes to the design of 40.38% of the B.Tech Information Technology curriculum and syllabus. The curriculum includes a majority of Practicum Integrated Courses that focus on niche areas. Expert professionals from Virtusa deliver course contents, which are further enhanced by the AI-driven learning platform, RMK Nextgen, providing students with a personalized learning experience.



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Knowledge Partner and Powered by Virtusa

COURSES OFFERED

B.Tech - Information Technology

Knowledge Partner and Powered by Virtusa

Collobrated with Mr. Cooper for student & faculty engagement activities

HONOURS DEGREE OFFERED:

B. TECH - HONOURS IN INFORMATION TECHNOLOGY WITH SPECIALIZATION IN

- Full Stack Engineering
- Fintech and Web 3.0
- Artificial Intelligence and Machine Learning
- Data Science
- Media Processing
- Cyber Security
- Quantum Computing

MINOR DEGREE OFFERED:

B. TECH - INFORMATION TECHNOLOGY WITH MINOR DEGREE IN

- Internet of Things
- Robotics and Automation
- Electric Vehicle Technology
- Embedded Systems
- Business Analytics
- Entrepreneurship and Innovation

Ph.D. - INFORMATION AND COMMUNICATION ENGINEERING



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INDUSTRIAL VISITS

Batch : 2020-2024



IIT MADRAS
Batch :2020-24
Year : Third year
No of Students : 58
15-September-2022

MR COOPER
Batch :2020-24
Year : Third Year
No of Students : 61
17-Mar-2023



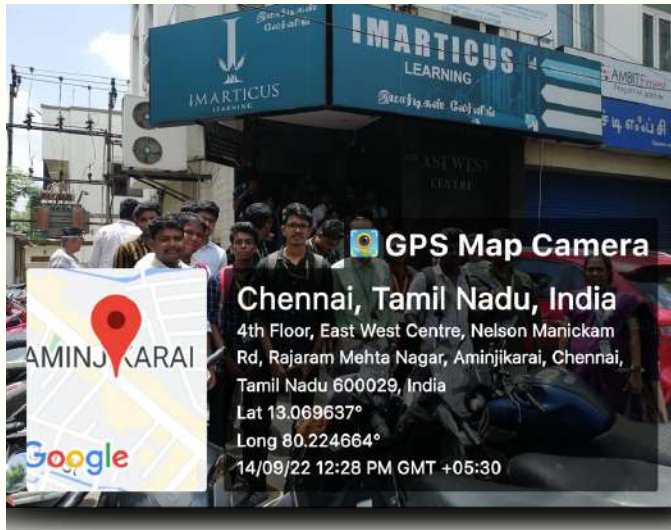
DR. SWAMINATHAN RESEARCH FOUNDATION
Batch :2020-24
Year : Third Year
No of Students : 61
20-Jan-2023

THE INDIAN EXPRESS
Batch:2020-24
Year: Third Year
No of Students : 58
25-November-2022



INDUSTRIAL VISITS

Batch : 2019-2023



**IMARTICUS LEARNING
PVT LTD**
Batch:2019-23
Year: Final Year
No of Students : 48
14-September-2022

THE INDIAN EXPRESS
Batch :2019-23
Year : Final Year
No of Students : 58
24-November-2022



INDIAN EXPRESS AMBATTUR INDUSTRIAL ESTATE, INDUSTRIAL VISIT FOR IV YEAR IT STUDENTS, 08-11-2022

INDUSTRIAL VISITS



IMARTICUS LEARNING PVT LTD

Batch :2021-25

Year :II YEAR

No of Students : 61

07-September-2022

PRASAD STUDIO

Batch :2021-25

Year : Second Year

No of Students : 61

18-November-2022



NEWS7 - TAMIL TV CHANNEL

Batch :2021-25

Year : Second Year

No of Students : 61

07-Feb-2023

DR. M.S. SWAMINATHAN RESEARCH FOUNDATION

Batch :2021-25

Year : Second Year

No of Students : 61

10-Feb-2023



KNOWLEDGE PARTNER BOOTCAMP & MASTERCLASS



Department of Information Technology

Mr. Rajkumar S
Associate Director Technology
Virtusa Consulting Services Pvt. Ltd.

Ms. Mohana Priya S
Associate Director Technology
Virtusa Consulting Services Pvt. Ltd.

Knowledge Partner **Virtusa**
12, 14, 19 & 21
October 2022
9:00 AM to 3:05 PM
Pre-Final Year IT Students
**Full Stack
Development
Bootcamp**

virtusa

Full Stack Development Bootcamp for
Pre-Final Year IT students by our
Knowledge Partner - Virtusa Experts on
12th, 14th, 19th and 21st October 2022.

Advanced Java JEE Bootcamp by
Mr.S.Rajkumar, Associate Director, Learning and
Campus, Virtusa Consulting Services Private
Limited, Chennai from 13th to 16th February
2023.



Department of Information Technology

Mr. Rajkumar S
Associate Director, Learning and Campus
Virtusa Consulting Services Private Limited

13th to 16th February 2023
9:30 AM to 11:30 AM
Pre-Final Year IT Students
Organising Committee
Knowledge Partner Virtusa
**Advanced Java JEE
Bootcamp**



R.M.K.
ENGINEERING COLLEGE
(An Autonomous Institution)
DEPARTMENT OF
INFORMATION TECHNOLOGY
MASTERCLASS ON
**WEB TECHNOLOGY
FOUNDATION**

TIME
10:00-11:00 AM
DATES
17th & 27th April 2023
AUDIENCE
II Year IT

Mr.S.Rajkumar
Associate Director
Learning and Campus
Virtusa Consulting Services Pvt. Ltd.
Chennai

www.rmkec.ac.in

MasterClass on Web Technology Foundation on
17th & 27th April 2023 by Mr.S.Rajkumar,
Associate Director, Learning and Campus,
Virtusa Consulting Services Private Limited.

BootCamp on Microservice Architecture on
23rd August 2023 by Ms.S.Mohana Priya,
Associate Director, Learning and Campus,
Virtusa Consulting Services Private Limited.



R.M.K.
ENGINEERING COLLEGE
(An Autonomous Institution)
Department of Information Technology
Presents
**BootCamp on
Microservice
Architecture**

In Association With
Knowledge Partner
virtusa
23
AUGUST 2023
10:30 AM - 12:30 PM

SPEAKER
Ms. S. Mohana Priya
Associate Director
Learning and Campus
Virtusa Consulting Services
Private Limited

KNOWLEDGE PARTNER MASTERCLASS & BOOTCAMP

mr.
cooper[®]



BootCamp on
Web Development Frameworks
Microservice Architecture
Server-side Engineering
DevOps

In Association With **mr. cooper**

Mr. Manoharan K
Team Lead IT DevOps
Mr.Cooper

Ms. Harini Priya K
Senior Software Engineer
Mr.Cooper

Mr. Mohana Vignesh G
Senior Software Engineer
Mr.Cooper

Mr. Mohanbabu Balachandran
Vice President, Mr.Cooper

TUESDAY
22 August 2023

TIME
09.00 AM - 01.00 PM

www.rmkec.ac.in

BootCamp on Web Development Frameworks,
Microservice Architecture, Server-side Engineering and DevOps
on 22nd August 2023 by:

- Mr. Mohanbabu Balachandran, Vice President, Mr. Cooper
- Mr. Manoharan K, Team Lead IT DevOps, Mr. Cooper,
- Ms. Harini Priya K, Senior Software Engineer, Mr. Cooper
- Mr. Mohana Vignesh G, Senior Software Engineer, Mr. Cooper

GUEST LECTURES



Dr. Meghana Nasre, Assistant Professor, Department of CSE, Indian Institute of Technology, Madras (IIT Madras) on 13th August 2022.

Guest Lecture on Application and Network Security by Mr. Vignesh Chandrasekaran CEO- Vault Infosec, Chennai on 27th August 2022.



Ms. Swarna Swapna, Graduate Student New York University and Machine Learning Engineer, Cisco, New York on 3rd September 2022.

Guest Lecture on Web Development Framework - React by Mr. S. Nanda Kumar, Full Stack Developer, Zoho Corporation, Chennai on 7th September 2022.



Guest Lecture on Angular and Golang by Mr. Gerard Alex Ben, Advanced Software Engineer, Light and Wonder, Chennai on 24th September 2022.

GUEST LECTURES



Design Thinking Workshop by Prof. Michael V. Testani, Senior Director, External Outreach and Engagement, Binghamton University, USA on 8th & 9th March 2023.

Digital Forensics Hands On session by Dr.Noor Mahammad SK, Associate Professor, IIITDM, Kancheepuram on 11th March 2023.



Workshop on Data Preprocessing by Ms. Priyadarshini Devarajan, Senior Data Engineer, Desrisk360, London, UK on 29th April 2023

Workshop on Machine Learning Algorithms on 2nd September 2023 by Mr.K.B.Hithesh Sai, Software Engineering Manager, JP Morgan & Chase, Seattle, USA.



MasterClass on Microservice Architecture on 5th September 2023 by Mr.N.Akash Karthik, Software Development Engineer (SDE III), Glance, Bengaluru.

PLACEMENTS - BATCH 2023

(98.08 %)



ZOHO CORP
5 Students



TRIMBLE
1 Student



KAAR TECHNOLOGIES
4 Students



HUB STREAM
1 Student



CODING MART
1 Student



Foodhub Software
Solution India Pvt Ltd
1 Student



MR COOPER
2 Students



WALMART
1 Student



IBM
1 Student



ACCENTURE
1 Student



Virtusa Consulting Services Pvt.
Ltd. (Student Ambassador)
1 Student



TEMENOS
3 Students



Virtusa Consulting Services
Pvt. Ltd. (JATAYU Contest)
1 Student



COGNIZANT
5 Students



Virtusa Consulting Services
Pvt. Ltd. (General)
17 Students



TCS DIGITAL
1 Student



ATOS India Pvt Ltd
1 Student



TCS NINJA
1 Student



TVS NEXT
1 Student

Batch : 2022 - 23

ACHIEVEMENTS



Ms.B.Madhumitha and Ms.H.Kamali of III Year IT, R.M.K. Engineering College (Autonomous) won First Prize in Kerala Government Engineering Design National Award held during 23rd ISTE National Annual Students Convention on 4th March 2023 at Nagpur

Ms.J.Ramya has received the Best Academic Performance Award with 10 grams Gold Coin from our Management during 28th Annual Day Celebrations held on 11th June 2023.



Mr.Maaz Hussain has received the Best Outgoing Student Award with 10 grams Gold Coin from our Management during 28th Annual Day Celebrations held on 11th June 2023.



ACHIEVEMENTS



III Year IT Team bagged First Runner up in JCI Tech Connections 2023 with a Prize Amount of 750 USD.

Mr.S.Jayakishore, Mr.CR.Kamalesh, Ms.Amara Deepika, Mr.R.Arnesh and Mr.P.Thirumalai of II Year IT (2025 Batch), R.M.K. Engineering College(Autonomous) bagged second prize in RMK GanceVillage Hackathon.



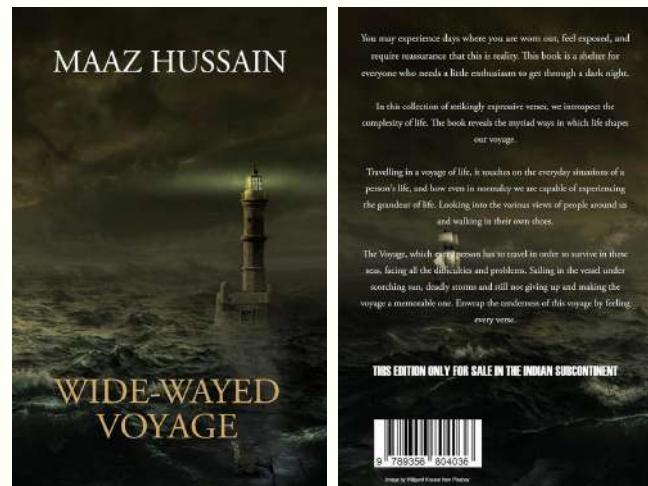
Mr.A.Ashok Kumar, Final Year IT received ISTE Best Student Award for the Year 2022.

ACHIEVEMENTS



Ms.P.M.Anusha and Ms.M.Vaishnavi of II Year IT(2026 Batch) for Participating in Rakathon 2023 conducted by Rakuten, Bengaluru on 8th & 9th September 2023

Mr. Maaz Hussain, Batch 2023, has published a Book Titled "Wide - Wayed Voyage"



Ms. Shilbha S of Batch 2024, has participated in UNESCO India Africa Hackathon held at Greater Noida, November 2022

ACHIEVEMENTS

Batch : 2022 - 23

S.No	Register Number	Student Name	Name of the award
1	111719205008	A. Ashok Kumar	IEI Best Outgoing Student Award 2023
2	111719205022	Maaz Hussain	IEI Best Outgoing Student Award 2023
3	111719205055	J Varshini	IEI Best Outgoing Student Award 2023
4	111719205022	Maaz Hussain	IEI Best Student Award 2023
5	111719205008	A. Ashok Kumar	IEI Best Student Award 2023
6	111719205055	J Varshini	IEI Best Student Award 2023
7	111719205022	Maaz Hussain	IEI Best Project Award 2023
8	111719205008	A. Ashok Kumar	IEI Best Project Award 2023

CLUB ACTIVITIES

Name of the club	No of activities conducted within the department
Math Club	3
Language Club	3
Science and Innovation Club	2
Coding Club	3
Photography Club	2
Astronomy Club	2
Tedx Club	3
Eco Club	3
Cultural Club	3
Yoga Club	3

FDP & WORKSHOPS

Attended by faculties



R.M.K. GROUP OF INSTITUTIONS
(AUTONOMOUS INSTITUTIONS)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
All Eligible UG Programs are Accredited by NBA & Institutions Accredited by NAAC
R.S.M Nagar, Kavaraipettai-601 206, Gannatchipatti Taluk, Tiruvallur District, Tamil Nadu, India

DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES A FACULTY DEVELOPMENT PROGRAM ON
"COMPUTER NETWORKS"

DATE: 15.07.2022
TIME: 10.00 AM-12.00 NOON
1.00 PM-2.30 PM

RESOURCE PERSON
Dr. NOOR MAJIDUDDIN S.K.,
ASSOCIATE PROFESSOR,
DEPARTMENT OF CSE,
IITDM, KANCHIPURAM

VENUE:
EIE SEMINAR HALL,
R.M.D. ENGINEERING COLLEGE

ORGANIZING COMMITTEE

Dr. MANJULA MUNSHATHANAM Chairperson	Dr. SRI S.K. MUNSHATHANAM Chairman	Dr. SRI R. JOYTI NAIDU Director	Dr. SRI R.K. KISHORE View Chairman	Dr. SRI. YALAMANCHI PRADEEP Secretary
Dr. BURGABEVI PRADEEP View-Chairperson	Dr. SRI. BOWNTA KISHORE Trustee	Dr. SRI. PALANICHAMY Advisor	Dr. SRI. MOHAMMED JUNAID Principal - RMKEC	Dr. SRI. SANKUVEZHIAN Principal - RMDEC
Dr. SRI. BALASUBRAMA HOD - IT - RMKEC	Dr. SRI. SHEERIN BANU HOD - IT - RMDEC	Dr. SRI. PRASANNA SREETHANAN Coordinator		Dr. SRI. KARAYANAN Coordinator

The Department of Information Technology, R.M.K. Group of Institutions Organized a Faculty Development Program (FDP) on Computer Networks on 15th July 2022.

The Department of Information Technology, R.M.K. Group of Institutions Organized a Faculty Development Program (FDP) on Design and Analysis of Algorithms on 16th July 2022.



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R.S.M Nagar, Kavaraipettai-601 206, Gannatchipatti Taluk, Tiruvallur District, Tamil Nadu, India

DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES A FACULTY DEVELOPMENT PROGRAM ON
"DESIGN AND ANALYSIS OF ALGORITHMS"

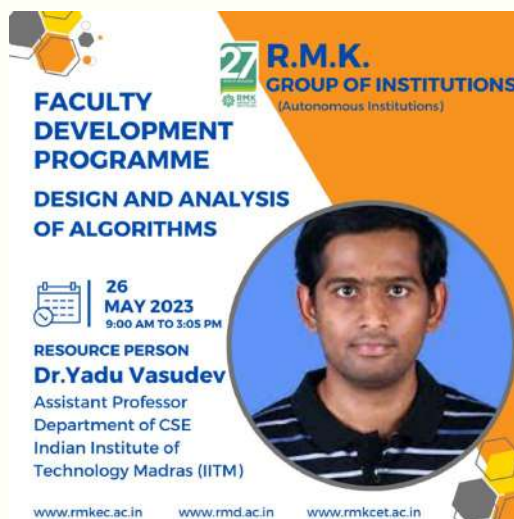
DATE: 16.07.2022
TIME: 2.30 PM to 5.00 PM

RESOURCE PERSON
PROF. B. V. RAGHAVENDRA RAO
ASSOCIATE PROFESSOR,
DEPARTMENT OF CSE,
INDIAN INSTITUTE OF TECHNOLOGY MADRAS

VENUE:
RMK MECHANICAL
SEMINAR HALL

ORGANIZING COMMITTEE

Dr. MANJULA MUNSHATHANAM Chairperson	Dr. SRI S.K. MUNSHATHANAM Chairman	Dr. SRI R. JOYTI NAIDU Director	Dr. SRI S. KISHORE View Chairman	Dr. SRI. YALAMANCHI PRADEEP Secretary
Dr. BURGABEVI PRADEEP View-Chairperson	Dr. SRI. BOWNTA KISHORE Trustee	Dr. SRI. PALANICHAMY Advisor	Dr. SRI. MOHAMMED JUNAID Principal - RMKEC	Dr. SRI. SANKUVEZHIAN Principal - RMDEC
Dr. SRI. BALASUBRAMA HOD - IT - RMKEC	Dr. SRI. SHEERIN BANU HOD - IT - RMDEC	Dr. SRI. JOTHILAKSHMI Coordinator		Dr. SRI. KALPANA Coordinator



R.M.K. GROUP OF INSTITUTIONS
(Autonomous Institutions)

FACULTY DEVELOPMENT PROGRAMME
DESIGN AND ANALYSIS OF ALGORITHMS

26 MAY 2023
9:00 AM TO 3:05 PM

RESOURCE PERSON
Dr. Yadu Vasudev
Assistant Professor
Department of CSE,
Indian Institute of
Technology Madras (IITM)

www.rmkec.ac.in www.rmd.ac.in www.rmket.ac.in

Faculty Development Programme on Design and Analysis of Algorithms by Dr. Yadu Vasudev, Assistant Professor, Department of CSE, Indian Institute of Technology Madras (IITM) on 26th May 2023.

EVENTS



Virtusa Deserving Women Students Scholarship

Rs.40,000/- for CSE & IT Students of Class 2023



R.M.K.

ENGINEERING COLLEGE
(An Autonomous Institution)

www.rmkec.ac.in

Virtusa Deserving Women Students Scholarship to 4 Students of Class 2023 (CSE & IT), R.M.K. Engineering College (Autonomous).

Logesh Kannan S of Batch 2026 received Rs. 1 Lakh scholarship through the Virtusa Engineering Excellence Scholarship Program 2022 - 23



R. M. K. ENGINEERING COLLEGE
(An Autonomous Institution)

Department of Information Technology
Presents
Project Expo
Pre-Final Year IT Students

22 November 2022
10:30 AM

Industry Evaluator

Mr. K. B. Hithesh Sai
Software Engineer
(Network Security)
JP Morgan & Chase
Dublin, Ireland

www.rmkec.ac.in

Mr.K.B.Hithesh Sai, Software Engineer, JP Morgan & Chase, Dublin, Ireland for evaluating students project during Project Expo scheduled on 22nd November 2022.

EVENTS



R.M.K. Engineering College(Autonomous) hosted Virtusa Engineering Equity Hackathon Promotion Event on 3rd February 2023.

CYBERNAUTIX 2K22,
a National Level Technical
Symposium on
14th November 2022.



START-UPS

THROUGH RMKEC BUSINESS INCUBATORS

Start-up Name : Famics

Name of the Founder : Dr. M. Sheerin Banu

Financial Year : 2022 - 23

Corporate Identification Number : UDYAM-TN-24-0003664

GST Registration Number : 33APFPS6788D12J

IN-PLANT TRAINING

No.of students undergone
In-plant training - 14



No.of students undergone
In-plant training
(virtual experience) - 53

INTERNSHIPS

No.of students undergone Internship (Academic Year 2022-23) - 132

Non paid Internship



No.of students (II year) - 61
No.of students(III year) - 61

Paid Internship



No.of Industries - 10
No.of students - 18

INTERNSHIPS

Batch : 2022 - 23

Name of the Industry	Year (II/III/IV)	No. of Students Undergone Internship
Virtusa Consulting Services Pvt. Ltd.	IV	1
Trimble	IV	1
Mr. Cooper	IV	2
ZOHO CORP	IV	5
KAAR TECHNOLOGY	IV	4
CODING MART	IV	1
FOOD HUB	IV	1
WALMART	IV	1
INDIGILAB	III	1
VERTACE	III	1

JOURNALS

Name of the faculty	Title	Journal	Year
Dr. Saravanan K	Internet of Things Driven Rule based Management Model for Heterogeneous Environment	SN Computer Science	2023
Mr.Umamageswaran J	An Energy-Aware Agent-Based Resource Allocation Using Targeted Load Balancer for Improving Quality of Service in Cloud Environment	Cybernetics and Systems	2023
Ms. Rekha M	"Luo converter using WODE algorithm for BDLC Motor driven solar PV water pumping system"	IEEE Xplore	2023
Ms. Shobana S	A Detection of Intrusions Based on Deep Learning	Cybernetics and Systems	2023
Ms Selvi K	Effective Short Packet Communication for Resource Allocation in Wireless Powered IoT Networks	IEEE Xplore	2023
Dr. Sheerin Banu M	Application of Machine Learning Techniques for Biomedical Diagnosis System	IEEE Explore	2023
Dr M Javaprakash	Design and Development Of Communication Networks Using IoT	IEEE Explore	2023

Name	Title	Journal	Year
Dr.M.Sheerin Banu	Integrating Innovativen Technologies for Empowering Student- Centered Learning	Journal of Technology	2023
Dr.M.Sheerin Banu	Image Representation through Pixel-Based Encoding	Journal of Technology	2023
Dr M Javaprakash	Potential Optical Wireless Technologies in Mobile Communications	IEEE Explore	2023
Dr. Radhika S	Fix Mate – A multifaceted web app	IEEE Explore	2022
Dr. Selva kanmani S	Optimization of Leach Protocol in Wireless Sensor Network Using Machine Learning	Computational Intelligence and Neuro science	2022
Ms. Rajitha Jasmine R	A composite framework of deep multiple view human joints feature extraction and selection strategy with hybrid adaptive sunflower optimization-whale optimization algorithm for human action recognition in video sequences	Computational Intelligence	2022
Mr. J. Umamageswaran	A Unique Multi-Agent-Based Approach for Enhanced QoS Resource Allocation in Multi Cloud Environment while Maintaining Minimized Energy and Maximize Revenue	INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL	2022
Mr. J. Umamageswaran	Chronic kidney disease prediction with feature selection and extraction using machine learning	Journal of Physics: Conference Series	2022
Ms. Rekha M	Determining Intrusion Attacks Against Online Applications Using Cloud-Based Data Security	Journal of mathematical statistician and engineering applications	2022

DEPARTMENT OF INFORMATION TECHNOLOGY

**“ We revolutionize skills and
empower your competencies
for a sustainable career”**



📍 R.S.M Nagar, Kavaraipettai, Gummidipoondi Taluk,
Thiruvallur District, Tamil Nadu - 601206

🌐 www.rmkec.ac.in

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