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STUDIO

**01.04.2024**

# MCET CHRONICLES



Volume : 12



Issue : 1

**EDITOR** \_\_\_\_\_

**Dr.P.Govindasamy**  
Principal, MCET

**CO-EDITOR** \_\_\_\_\_

**Ms.K.Rajalakshmi, AP(SS), English**  
**Ms.V.Arunadevi, AP(SS), English**



**Collaborators : MCET & Capgemini**

**Purpose : NPD, PLM and MBSE projects using  
Teamcentre, Catia, Hypermesh and ANSI Softwares**

**Beneficiaries : Automobile and Mechanical students**





***TECHCARNIVAL ' 2K24 – Technical Symposium  
by IGNITE – S&H Department Association***





***I B.E./ B.Tech Students' profound involvement in TECHCARNIVAL '2K24***



***Kudos to the novice for unleashing their learnt & hidden talents***



**Dr.Mahalingam College of Engineering & Technology**  
**MCET Chronicles- 01.04.2024**  
**Vol :12 Issue: 1**



**NTT DATA**



**Program: Industrial Interaction program on “Recruitment Opportunities”**

**Resource Persons: Mr.Vijayan. Vice President, NTT Data Services.**

**Ms.Urmimala Sarkar, Director-Campus Recruitment,  
NTT Data Services.**

**Mr.Kiran Shankar,  
Manager India Early Career Program,  
University Hiring, NTT Data/India Engineering**

**Date: 26.03.2024**





***Program: Two day workshop on Advanced IoT and Web Application Development Using Angular***

***Organiser : MCA***

***Date: 26.03.24 & 27.03.24***





**Program:**  
**Interaction for**  
**I EEE students**

**Organiser:**  
**AVERA- EEE**  
**Association**



**Venue: EEE**  
**seminar Hall**





## **Student IPR Work Process through IPR Cell – Office of Dean R&I**



**Program : workshop on “Data Visualization Using Power BI”**

**Organisers : Infobee- IT Technical Association and  
Computer Society of India**

**Resource person: Dr. Ramkumar S, Associate Professor,  
Department of Computer Science, School of Sciences, Christ  
University**





**Program: one day workshop on From Concept to Chip: Practical VLSI Design**

**Organiser: SPECTRUM- ECE Department Association**

**Resource Person : Ms. Raghavi Purushothaman, ASIC Physical Design Verification & Convergence Engineer Google, Bengaluru.**





**SPECTRUM- ECE Department Association**  
organized *Intra-Collegiate Symposium "Helix'24"* on  
**28.03.24**





*Competition is the fuel that ignites innovation.*





Faculty Name: Dr.R.Sudhakar,HoD/ECE

Program : One week FDP on “ Revolutionizing Industries: AI’s Impact in Today’s world”

Organiser: KPR Institute of Engineering and Technology, Coimbatore

Date: 20.03.24 to 26.03.24.



Participant: Ms.D.Janani AP-SS, IT

Secured: Topper 5% in NPTEL online certificate 8 weeks course on Introduction on Intellectual Property to Engineers and Technologists

Period: Jan-Mar 2024 .





## **Education Fair @ Salem Tirunelveli Karur Tiruppur Dindigul**





**Participant : Selvan.J.Godwin Jacob II CSE**  
**Won: I Prize in “Project Expo” at i-SYM’24**  
**Organiser: Hindusthan College of Engineering &Technology**



**Participant: Keerthika.K , II-AI&DS A**  
**Online course: Introduction to Flutter course**





Participants: Dr.M.Balakrishnan, ASP, Ms.S.R.Indurekaa, AP, AI&DS

Program: Hands on Training on e-Tools for Research

Organiser: KSR Institute of Engineering and Technology



Participant: Ms.S.Thelungu Laxmi, AP, AI&DS

Event: National Level FDP on Python

Organiser: Star International Foundation for Research & Education





**Participant: Ms.K.C.Rajarajeshwari,AP/ECE**

**Paper Title : Design and Analysis of Arrow Shaped Antenna for Satellite Communication**

**Program: 8<sup>th</sup> International Conference on Engineering Technology and Science**

**Organiser : Muthayammal College of Engineering,Rasipuram**



**Participant : Ms.S.Thilgavathi,AP(SS)/ECE**

**Program : SERB Sponsored International workshop on Antenna Design Techniques for Wireless Power Transfer: Current Trends and Future Prospects**

**Organiser : Sri Krishna College of Technology**



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**MCET** DR. MAHALINGAM  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
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NAAC A++ GRADE  
Cycle 3 (2023-2026)  
The Highest Grade

**Congratulations**



**D. Sarathy**  
7<sup>th</sup>-Year **CYBER SECURITY**

for Winning the following prizes in FIESTAA'24 at  
KPR Institute of Engineering and Technology Coimbatore

- 1st Prize in Paper Presentation conducted by S&H ECE, SEE depts
- 2nd Prize in Paper Presentation conducted by S&H Biotech dept
- 3rd Prize in Project Presentation conducted by ECE & A.D depts

*We are proud of your remarkable achievement!*

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The Highest Grade

**Congratulations**



**A. Hari Prashad**  
7<sup>th</sup>-Year **CYBER SECURITY**

for Winning the following prizes in FIESTAA'24 at  
KPR Institute of Engineering and Technology Coimbatore

- 1st Prize in Paper Presentation conducted by Mechatronics, Mechanical depts
- 2nd Prize in Paper Presentation conducted by IT
- 3rd Prize in Paper Presentation conducted by Civil
- 3rd Prize in Project Presentation conducted by A.D. ECE depts

*We are thrilled to celebrate your remarkable achievement with you*

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The Highest Grade

**Congratulations**



**S. Kavin Kumar**  
7<sup>th</sup>-Year **CYBER SECURITY**

for Winning the following prizes in FIESTAA'24 at  
KPR Institute of Engineering and Technology Coimbatore

- 1st Prize in Paper Presentation conducted by Mechatronics, Mechanical depts
- 2nd Prize in Paper Presentation conducted by IT
- 3rd Prize in Paper Presentation conducted by Civil
- 3rd Prize in Project Presentation conducted by A.D. ECE depts

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# Dr.Mahalingam College of Engineering & Technology

## MCET Chronicles- 01.04.2024

### Vol :12 Issue: 1

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**Office of Dean Research and Innovation**  
**Department of Mechanical Engineering**

**Summary Details of Patent -March 2024**

| S.No         | Types of IPR   | Count     |
|--------------|----------------|-----------|
| 1            | Design Patent  | 05        |
| 2            | Utility Patent | 05        |
| <b>Total</b> |                | <b>10</b> |

**FLASH VICTORIES**  
Month of March

**10**  
Patenting Excellence

**List of Patent Filed/Published/ Granted -March 2024**

| S.NO | APPLICATION NO. | TITLE                                                                                                                             | STATUS    |
|------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------|
| 1    | 202441034825    | HORIZONTAL ROCKER-ARM HAND-PUMP                                                                                                   | Published |
| 2    | 202441034796    | DEVICE FOR ROLLING IN / OUT HOSE FROM DEEP BOREWELL                                                                               | Published |
| 3    | 202441038914    | NATURAL FIBER COMPOSITES WITH IMPROVED IMPACT RESISTANCE AND METHOD THEREOF                                                       | Published |
| 4    | 202441015209    | MAKING OF BIO COMPACTABLE COMPOSITES USING NOVEL MAGNETRON SPUTTERING METHOD                                                      | Published |
| 5    | 409572-001      | MULTIFUNCTIONAL WHEELCHAIR                                                                                                        | Filed     |
| 6    | 411700-001      | CIRCULAR TYPE SOLAR COOKER                                                                                                        | Filed     |
| 7    | 6346713         | LIFTING VEHICLE ASSEMBLY                                                                                                          | Granted   |
| 8    | 411682-001      | MULTI CORE PIN COUPLING                                                                                                           | Filed     |
| 9    | 413693-001      | PYROLYSIS REACTOR                                                                                                                 | Filed     |
| 10   | 202441024249    | ENVIRONMENTALLY FRIENDLY SWITCH BOARDS USING NATURAL FIBER REINFORCED POLYMER COMPOSITES AND THE METHOD FOR MANUFACTURING THEREOF | Filed     |

**MCET IPR CELL** | **Illuminating Discoveries**

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**Office of Dean Research and Innovation**

**Congratulations!**  
**SUPERVISOR**

**Dr.K.N.Vijeyakumar**  
Professor & Head,  
CSE(AI&ML and CYS),  
MCET  
AU REF.NO.: 2330285  
**RESEARCH AREA:**  
VLSI DESIGN,  
DIGITAL SYSTEM DESIGN,  
APPLICATION SPECIFIC IC DESIGN

**for Successful guidance of Ph.D. Scholar**

**Name of the Scholar: Dr. Gnanambikal P**  
**University : Anna University**  
**Reg. No.: 16244697154 Faculty: ICE**  
**Thesis Title: Design of efficient arithmetic datapath units for Digital Image and signal processing**

**DATE OF VIVA VOCE**  
01.04.2024

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**OFFICE OF DEAN RESEARCH & INNOVATION**

**RESEARCH INTEREST GROUP**

**RF & VLSI**

**UPCOMING RESEARCH SEMINARS**

**Low Power CMOS Analog Integrated Circuits.**  
DR.N.SARAVANAKUMAR  
ASSOCIATE PROFESSOR  
ECE  
16 Mar 2024

**CMOS VLSI design in Bio Medical Applications**  
DR.K.N.VIJAYAKUMAR  
PROFESSOR & HEAD  
AME  
30 Mar 2024

**Recent Trends in Biomedical Antennas**  
MS.K.EELAJARAJESWARAN  
ASSISTANT PROFESSOR  
ECE  
15 Apr 2024

**High Speed Circuit Design**  
MR.J.RAM SUBBESAN  
ASSISTANT PROFESSOR  
ECE  
27 Apr 2024

**Venue : EEE CONFERENCE HALL**

**Collaborate, Innovate, Elevate: Research Excellence..**

