

# Department of Mechatronics Engineering

Presents

# ROBONEIR

July 2023 – December 2023

Volume 2, Issue 1

**Department of Mechatronics Engineering** 

Volume - 2 Issue - 1

#### Editor's Note.....

It is with immense joy and pride that I extend my warmest greetings to you on behalf of Velammal Institute of Technology, as we proudly unveil another edition of Roboneir, the Newsletter of the Department of Mechatronics Engineering. Serving as the Editor-in-Chief for this issue has been a journey marked by excitement, entertainment, and profound enlightenment.



This edition stands as a true fusion of fresh ideas and the dedicated efforts of numerous competent writers and designers from the Department of Mechatronics Engineering. Our team has delved into a myriad of topics, ranging from the cutting-edge advancements in technology to the intricacies of navigating higher studies after graduation. Roboneir, in essence, serves as an open forum for the exchange of ideas, knowledge, and technical transfer. It reflects our commitment to creating a space where innovation and intellectual discourse thrive. We encourage you to immerse yourself in the diverse content presented in this newsletter, fostering a spirit of collaboration and exploration.

I extend my deepest gratitude to everyone involved in the creation of this edition, from writers to designers, for their dedication and passion. Together, we have crafted a publication that not only highlights the achievements of our community but also serves as a source of inspiration for future endeavors.

I sincerely hope that you enjoy reading this edition of Roboneir as much as we enjoyed bringing it to life.

Dr. N. Balaji Principal, VIT



### Editor's Note.....

It is with great pleasure and excitement that I extend my warm greetings to you on behalf of Velammal Institute of Technology. I am delighted to present to you "Roboneir," a newsletter that offers a vibrant glimpse into the dynamic world of the Department of Mechatronics Engineering. This edition of Roboneir stands as a testament to the remarkable achievements, active participation, and successful outcomes of the various activities within our department. It serves not only as a record of our accomplishments but also as a platform for budding engineers to engage in the exchange of innovative ideas.



As you peruse through the pages of this newsletter, I hope you gain a comprehensive understanding of how our department is charting the course for both technical and non-technical excellence. It is our belief that Roboneir not only informs but also inspires, providing valuable insights into the rich tapestry of experiences and accomplishments within our academic community.

Roboneir is more than just a newsletter; it is a reflection of the passion, dedication, and innovation that define mechatronics department. I encourage you to explore the wealth of knowledge and creativity encapsulated within these pages, and I trust that this newsletter will serve as a source of inspiration for all.

Thank you for your continued support, and I hope you enjoy delving into the world of Roboneir.

Dr. S. Soundararajan Vice-Principal, VIT



#### From the HOD's Desk.....

This edition encapsulates the commendable accomplishments of the Department of Mechatronics Engineering during this semester, reflecting the collective efforts and achievements of our vibrant academic community. Within these pages, you will find a comprehensive overview of our participation in various competitions, workshops, and paper publications.



The department has been actively involved in organizing workshops on the latest technologies, and I extend my sincere appreciation to the organizers for their dedication and hard work in making these events successful. I would like to acknowledge and commend our students for their continuous contributions to the growth of the department. Their active participation in both technical and nontechnical events showcases their enthusiasm and commitment to excellence.

What makes this edition particularly special is the diversity of our accomplishments. It is evident that the students and faculty members of our department excel in a wide range of activities, demonstrating their versatility and dedication. From workshops to competitions, our department continues to make its mark in every endeavor.

As we reflect on the achievements of this semester, I am optimistic about the promising future that lies ahead. The success of our department is a result of the collective efforts of each member, and I am confident that this momentum will carry us forward into a very successful upcoming quarter.

Dr. D. Magesh Babu HOD – Mechatronics, VIT





#### **Editors-in-Chief**

Dr. N. Balaji, Ph.D.,
Principal, Velammal Institute of Technology
Dr. S. Soundararajan, Ph.D.,
Vice - Principal, Velammal Institute of Technology

#### **Associate Editor**

#### Dr. D. Magesh Babu, Ph.D.,

Professor & Head / Mechatronics Engineering, Velammal Institute of Technology

#### Editors

Roboneir

Dr. B. Madhu, M.E., Ph.D., Asso. Prof./Mechatronics/VIT
Dr. V. Ramasamy, M.E., Ph.D., Asst. Prof./Mechatronics/VIT
Mr. G. M. Pradeep, M.E., (Ph.D), Asst. Prof./Mechatronics/VIT
Mr. R. Ohmsakthi vel, M.E., M.Tech., (Ph.D), Asst. Prof./Mechatronics/VIT
Mr. S. Vijayan, M.E., (Ph.D), Asst. Prof./Mechatronics/VIT

#### Student Coordinators

- Mr. H. L. Arun Prasad, IV Yr Mechatronics, VIT
- Mr. V. Vishnu, IV Yr Mechatronics, VIT
- Mr. V. Dinesh Kumar, IV Yr Mechatronics, VIT
- Ms. R. Kaviya, III Yr Mechatronics, VIT
- Mr. B. Mohankanth, III Yr Mechatronics, VIT
- Mr. R. S. Prakash, III Yr Mechatronics, VIT
- Mr. M. B. Buvaneshwaran, II Yr Mechatronics, VIT
- Mr. M. Jagadeesh, II Yr Mechatronics, VIT
- Ms. S. Mohana Priya, II Yr Mechatronics, VIT

**Department of Mechatronics Engineering** 

Volume - 2 Issue - 1



#### **Department Activities**

**Events** Organized

Industrial Visits

MoU Signing Ceremony

Placement & Training

Infrastructure Development

#### **Faculties Corner**

Individual contribution

#### **Students Corner**

Students' Participation

Students' Achievement

Class Toppers

Students' Projects

#### **Out – of – Class Activities**



**Velammal Institute of Technology** 

# Department Activities



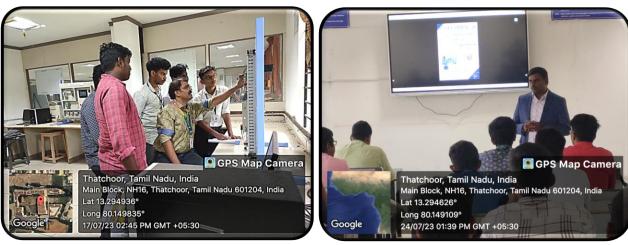


Velammal Institute of Technology

## One Week Value Added Course on "Industrial Automation"

The Department of Mechatronics Engineering, Velammal Institute of Technology UniversalTech and Automation Pvt Ltd. Jointly organised one week value added course on "Industrial Automation" from 17.07.2023 to 22.07.2023 for III Year and IV Year Mechatronics Engineering Students at Mechatronics seminar hall with an objective to enrich knowledge on PLC, SCADA and DCS. The lecture was delivered by Mr. R. Ohmsakthi vel, Velammal Institute of Technology and Mr. G. Muthukrishnan, Managing Director, UniversalTech Automation Pvt Ltd.





#### Industry Expert Talk on

# "Cobots for Industrial Applications"

The Department of Mechatronics Engineering, Velammal Institute of UniversalTech Technology and Automation Pvt Ltd. Jointly organised expert talk on "Cobots for industrial applications" on 24.07.2023 for III Year Mechatronics Year and IV Engineering Students at seminar hall with an objective to inculcate the robotic technology and the inclusion of cobots for various industrial applications students. The among lecture was delivered by Mr. G. Muthukrishnan, Managing Director, UniversalTech Automation Pvt Ltd.





**Department of Mechatronics Engineering** 

Volume - 2 Issue - 1

Workshop

# One Day Workshop on "Road Safety Awareness"

The Department of Mechatronics Engineering, Velammal Institute of Technology organised day one workshop on "Road Safety Awareness" from 25.07.2023 for all Engineering Students at Seminar hall, Third Floor with an objective to give awareness on road safety measures. The lecture was delivered by Mr. R. Ohmsakthi vel, Velammal Institute of Technology and Mr. K. Jeevanandham, Assistant Engineer (Retired), Tamil Nadu State Transport Corporation (TNSTC), Thiruvannamalai.









# One Day Workshop on **"Future of Making Things with Autodesk Fusion 360"**

The Department of Mechatronics Engineering, Velammal Institute of USAM Technology and Technology Solutions Jointly organised one day workshop on "Future of Making Things with Autodesk Fusion 360" on 28.07.2023 for III Year and IV Year Mechatronics Engineering Students at Mechatronics seminar hall with an objective to inculcate the design concepts using Autodesk Fusion 360. The lecture was delivered by Mr. M. Mahesh, Manger - Technical, USAM Technology Solutions, Chennai.



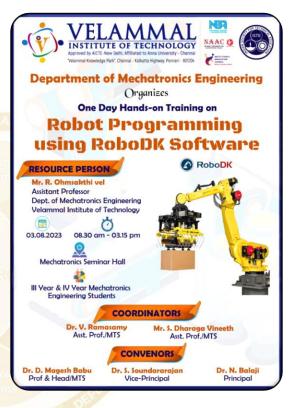




#### **One Day Hands-on Training on**

# "Robot Programming using RoboDK Software"

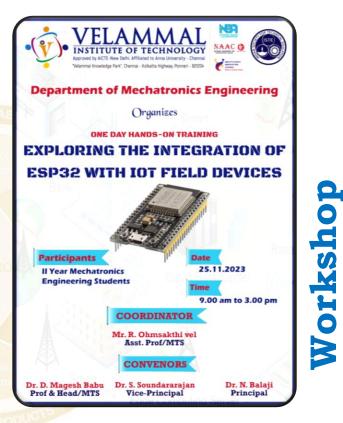
The Department of Mechatronics Engineering, Velammal Institute of Technology organised day Hands-on Training on one "Robot Programming using RoboDk Software" on 03.08.2023 for III Year IV and Year Mechatronics Engineering Students at Mechatronics seminar hall with an objective to enrich knowledge on Robotic Programming. The lecture was delivered by Mr. R. Ohmsakthi Velammal Institute vel. of Technology.





# One Day Hands-on Training on **"Exploring the Integration of ESP32** with IOT Field Devices"

The Department of Mechatronics Engineering, Velammal Institute of Technology organised one day Hands-"Exploring the on Training on Integration of ESP32 with IOT Field Devices" on 25.11.2023 for II Year Mechatronics Engineering Students at Mechatronics seminar hall with an objective to inculcate the programming and interfacing knowledge of ESP32 for various real time applications. The Session was handled by our Third Year Mechatronics Engineering Students.







## Guest Lecture on **"Design of Eccentric Loaded Bolted** Joints"

The Department of **Mechatronics** Engineering, Velammal Institute of Technology organised one day Guest "Design of Eccentric Lecture on Loaded Bolted Joints" on 26.09.2023 for III Year Mechatronics Engineering Students at Mechatronics seminar hall with an objective to inculcate the design concepts required for Robot elements. The Session was handled by Mr. T. Balasubramanian, Assistant Professor, Department of Mechanical Engineering, St Joseph's College of Engineering, OMR, Chennai.

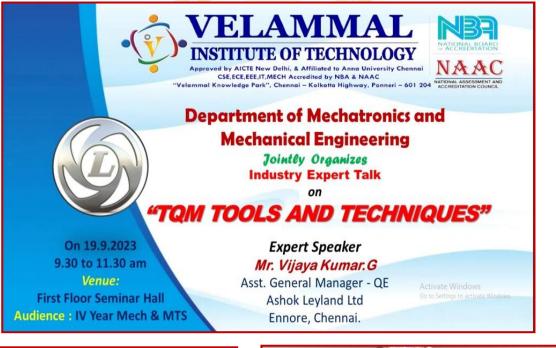






### Industry Expert Talk on "TQM Tools and Techniques"

The Department of Mechatronics Engineering, Velammal Institute of Technology organised one day Expert Talk on "TQM Tools and Techniques" on 19.09.2023 for IV Year Mechatronics Engineering Students at First Floor seminar hall with an objective to inculcate the TQM Tools and Techniques in industrial scenario. The Session was handled by Mr. G. Vijaya Kumar, Assistant General manager – QE, Ashok Leyland Ltd., Ennore, Chennai.







# Innovation Voucher Program at Anna University

Department of Mechatronics Engineering, Velammal Institute of Technology organized a one day Innovation Voucher Program on 04/08/2023. A team of III & IV year Students of Mechatronics Engineering (40 no's) along with 2 Faculty members took part in the program at Centre for Entrepreneurship Development, Anna University, Chennai. We started from VIT and reached Anna University at around 10.00 am by our college bus. There, the students interact with incubation officer and enrich their knowledge towards innovation, incubation and startups. Also they detailed various schemes to support financially to kick a startup. Overall, the students are very happy and got benefits in terms of knowledge, skills and societal exposure.





# **Industrial Visit to K-Lite**

Department of Mechatronics Engineering, Velammal Institute of Technology organized a one day Industrial visit to K-Lite Industries on 05/08/2023. A team of III & IV year Students of Mechatronics Engineering (40 no's) along with 2 Faculty members took part in the Industrial visit. We started from VIT and reached K-Lite Industries at around 10.00 am by our college bus. There, the students gained knowledge on Control over materials helps us strike a perfect balance between quality and aesthetics, bringing excellent lighting pieces to life. Also students observed. CNC robotic fabrication, surface mount technology (SMT) line, shot blasting, or 2D/3D milling. Overall, it was very useful for the students and strengthened their knowledge about the Control over luminous light.







# **Industrial Visit to K-Lite**

Department of Mechatronics Engineering, Velammal Institute of Technology organized a one day Industrial visit to K-Lite Industries on 27/10/2023. A team of II year Students of Mechatronics Engineering (40 no's) along with 2 Faculty members took part in the Industrial visit. We started from VIT and reached K-Lite Industries at around 10.00 am by our college bus. There, the students gained knowledge on Control over materials helps us strike a perfect balance between quality and aesthetics, bringing excellent lighting pieces to life. Also students observed. CNC robotic fabrication, surface mount technology (SMT) line, shot blasting, or 2D/3D milling. Overall, it was very useful for the students and strengthened their knowledge about the Control over luminous light.





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Volume - 2 Issue - 1

# **MoU Signing Ceremony**

**Department of Mechatronics Engineering** signed MoU with two Companies namely **UniversalTech Automation Pvt ltd.** and **Fluid Machine Control Pvt Ltd.** on 24/07/2023. The purpose of this MoU is to improve and Facilitate the career opportunities, Projects, Internships and Placement to the students.



Volume - 2 Issue - 1

# **MoU Signing Ceremony**

**Velammal Institute of Technology** signed MoU with **KC Overseas** on 28/07/2023. The purpose of this MoU is to create awareness and facilities to make the students to pursue higher education.



Placement & Training

# **Programming on C, C++**

Department of Training and Placement, Velammal Institute of Technology organized training programs to II year, III Year and IV Year Mechatronics Engineering students from second year onwards. This cell continuously strives to help students help students in pursuing their career goals by acquiring employment-seeking skills and ultimately to attain desired employment. This is accomplished through building a strong partnership amongst students, alumni, faculty-members and industries. Usually they conduct training program in very first week of the every semester with structured curriculum.

In this semester, Department of Mechatronics Engineering organized a training program on C and C++ for II year, III Year and IV Year Mechatronics Engineering students on every Wednesday through the semester. The session was handled by Mr. Prabu Arokyaraj, Assistant Professor, Department of Computer Science and Engineering, Velammal Institute of Technology.







**Training Program** 

#### **Two Days Training on**

# "Placement Support Training Session"

The Department of Mechatronics Engineering, Velammal Institute of Technology organised two davs Placement support training program for III Year and IV Year Mechatronics Engineering students from 26.07.2023 to 27.07.2023 at Mechatronics seminar hall with an objective to inculcate the placement culture to the students. The delivered lecture was by Mr. Κ. Kalaivanan, Mr. S. Somu, Ms. V. Deepa and Ms. K. Manisha Sharma from the Department of English, Velammal Institute of Technology.



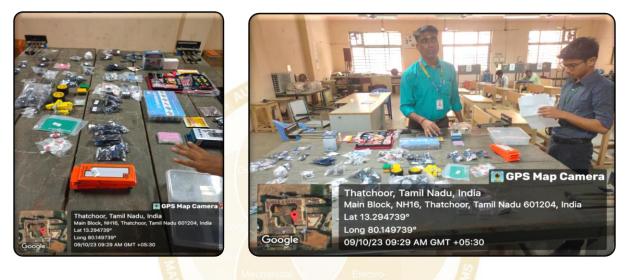




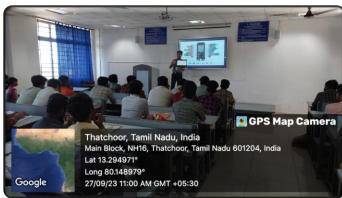


## **New Lab Installation**

Department of Mechatronics Engineering, Velammal Institute of Technology purchased new components to enrich and promote students' technical activities. By this, students can involve themselves in various projects and got exposed in technical competition







Volume - 2 Issue - 1

## **Industry – Institute Interaction**

**Mr. G. M. Pradeep, AP/Mechatronics** visited **ARAMS - EV Vehicle**, Coimbatore and **Risabh Electronic Systems - 3D Printing**, Coimbatore. on 16/11/2023. The purpose of this visit is to arrange industrial visit, Project and internships for the Mechatronics Engineering students. They are ready to sign Memorandum of Understanding (MoU) with our college in the view of placement and training.



Velammal Institute of Technology

# **Faculty Corner**





**Velammal Institute of Technology** 

#### Dr. D. Magesh Babu

**Professor & Head – Mechatronics Engineering** 

### Journal

 Girija M.S., Tapas Bapu B.R., Magesh Babu D. & Madhu B. (2023). A variance difference method for determining optimal number of clusters in wireless sensor networks. Ad Hoc & Sensor Wireless Networks, 55.3-4, 321-329



### Patents

 A Tungsten-Carbide Tool to Reduce Consumption of Workpieces in Friction Stir Welding (FSW), Journal No. 51/2023 Dated 22/12/2023

### **Book / Book Chapters**

 Mechatronics System Design and Development – Scientific International Publishing House - ISBN: 9789361323973

### **Sponsored / Funded Projects**

- Received 13.14 Lakhs from MSME for Automatic Vibro Polishing Machine
   UC submitted.
- Proposal worth of 85 Lakhs submitted for MSME for **Plant and Machinery** for Development of MSME Ideas.
- Proposal worth of Rs 27 Lakhs submitted for SERB-CRG under the title 3D
   Printing of Titanium & Magnesium based alloys for Biomedical
   Applications.
- Proposal worth of Rs 11.35 Lakhs submitted for DST TIDE under the title **An Intelligent Kitchen appliance for Elderly people.**
- Proposal worth of Rs 10,000 submitted for TNSCST under the title **Design** and fabrication of 3D printing tool for industrial robot.
- Proposal worth of Rs 10,000 submitted for TNSCST under the title **Design** and fabrication of Automated clog removing machine for underground drainage system.



#### Dr. B. Madhu

#### Associate Professor- Mechatronics Engineering Journal

 Girija M.S., Tapas Bapu B.R., Magesh Babu D. & Madhu B. (2023). A variance difference method for determining optimal number of clusters in wireless sensor networks. Ad Hoc & Sensor Wireless Networks, 55.3-4, 321-329



• B. Thamarai Kannan, **B. Madhu,** A.E. Kabeel, Amrit Kumar Thakur, R. Velraj, I. Lynch, R. Saidur, Ravishankar Sathyamurthy, Improved freshwater generation via hemispherical solar desalination unit using paraffin wax as phase change material encapsulated in waste aluminium cans, Desalination, Volume 538, 2023, 115907, ISSN 0011-9164,

### **R&D** Cell Initiatives

• Dr. B. Sridevi, **Dr. B. Madhu**, and Dr. J. Nandhagopal, along with their team, have successfully earned recognition from the Department of Scientific and Industrial Research (DSIR) for Velammal Institute of Technology as a Scientific and Industrial Research Organization (SIRO).

#### **Patents**

• A Tungsten-Carbide Tool to Reduce Consumption of Workpieces in Friction Stir Welding (FSW), Journal No. 51/2023 Dated 22/12/2023

### **Book / Book Chapters**

 Mechatronics System Design and Development – Scientific International Publishing House - ISBN: 9789361323973

### **Sponsored / Funded Projects**

- Received 13.14 Lakhs from MSME for **Automatic Vibro Polishing Machine** UC submitted.
- Proposal worth of 85 Lakhs submitted for MSME for **Plant and Machinery** for **Development of MSME Ideas**.
- Proposal worth of Rs 5 Crores submitted for ATALACIC for installing ATAL Incubation Centre
- Submitted proposal worth of Rs 11.35 Lakhs submitted for SERB-CRG under the title **An Intelligent Kitchen appliance for Elderly people**.
- Submitted proposal worth of Rs 10,000 submitted for TNSCST under the title **Design and fabrication of Autonomous Solar Panel Cleaning.**



#### Dr. V. Ramasamy

**Assistant Professor- Mechatronics Engineering** 

#### Journal

 Suhas Prakashrao Patil, G. Leela Prasad, Chappeli Sai Kiran, Sanjeev Kumar, V. Ramasamy, H. Mohammed Ali, Surface roughness and topography of EDM machining of Inconel 718, Materials Today: Proceedings, 2023, ISSN 2214-7853,



 Ramesh Kumar Ayyakkannu, Sakthi Rajan Chandramurthy, Ramasamy Veeramalai, Pradeep Kumar Madhesan. 3D Computational Investigation of Thermal performance on Engine Cylinder: Effect of Different Geometry Fins. 2023, Thermal Science 2023 Volume 27, Issue 4 Part A, Pages: 2947-2956

#### **Patents**

- An Economic Portable Nano Particles Based Sewage Water to Drinking Water Converter, Journal No. 36/2023 Dated 08/09/2023
- A Tungsten-Carbide Tool to Reduce Consumption of Workpieces in Friction Stir Welding (FSW), Journal No. 51/2023 Dated 22/12/2023

### **FDP Attended**

- Attended 7 Days FDP on Dynamics of Machinery at Easwari Engineering College, Chennai from 21.7.23 to 27.7.23.
- Attended 5 Days FDP on Product Design and Manufacturing 3D Surface Modelling at Madras Institute of Technology, Chennai.

### **Sponsored / Funded Projects**

Proposal worth of Rs 27 Lakhs submitted for SERB-CRG under the title 3D
 Printing of Titanium & Magnesium based alloys for Biomedical
 Applications.



#### Mr. G. M. Pradeep

**Assistant Professor- Mechatronics Engineering** 

### Journal

- Gokilakrishnan, G., Meenakshi, R., **Pradeep, G.M.** et al. Implementation of lean six sigma (LSS) techniques for tyre manufacturing in small and medium-sized enterprises. International Journal of System Assurance Engineering and Management, 14, 1208–1217 (2023).
- R. Kamala Kannan, G. M. Pradeep, K. Naran Raj, V. Naveenkumar, D. Ramesh Aravinth, G. Ravindranath Reddy; Influences of habitat on agriculture spatial assessment and economic evaluation for harm reduction. *AIP Conf. Proc.* 22 May 2023; 2492 (1): 050026.
- R. Kamala Kannan, G. M. Pradeep, V. Jagadeesh, R. Jagadeesh, S. Kavin, Sri Ram Shivakumar; An autonomous seed material generation device for sugarcane, mechatronically integrated: A field of economic importance. AIP Conf. Proc. 22 May 2023; 2492 (1): 050025.
- Ponnusamy, Prasanth & Pon, Maheskumar & Mohanraj, A & Pradeep, G & Nanthakumar, S & Shaik, Hasane & Girimurugan, R. (2023). Optimization on the mechanical parameters and impact of welding parameters of pulsed TIG welding of Aluminium-Zinc-Magnesium alloy. Journal of Physics: Conference Series. 2603. 012039.

#### **Patents**

- An Economic Portable Nano Particles Based Sewage Water to Drinking Water Converter, Journal No. 36/2023 Dated 08/09/2023
- A Tungsten-Carbide Tool to Reduce Consumption of Workpieces in Friction Stir Welding (FSW), Journal No. 51/2023 Dated 22/12/2023

### **FDP Attended**

• Attended 6 Days FDP on Five Day FDP on CO PO mapping and CO PO Attainment at Greater Kolkata College of Engineering & Management, West Bengal from 10.07.23 to 14.07.23.

### **Book / Book Chapters**

 Joshua Gnana Sekaran, J., Gokilakrishnan, G., Pradeep, G.M., Saravanan, R., Girimurugan, R. (2023). Experimental Explorations on Mechanical Performance of Waste Marble Dust Powder and Banana Fibre Strengthened Hybrid Bio-composites. In: Nayak, R.K., Pradhan, M.K., Mandal, A., Davim, J.P. (eds) Recent Advances in Materials and Manufacturing Technology. ICAMMT 2022. Lecture Notes in Mechanical Engineering. Springer,





#### Mr. R. Ohmsakthi vel

**Assistant Professor- Mechatronics Engineering** 

#### Journal

 Ohmsakthi vel R, Sharma S, Srinivas O PB, Ragul S,. 2023. Enhancing Mechanical Properties of Composite Resin/Hydroxyapatite Nanocomposite for Dental and Orthopedic Applications: Synthesis, Characterization, and Bioactivity Assessment. NanoWorld J 9(4): 152-156.



### **Patents**

• A Tungsten-Carbide Tool to Reduce Consumption of Workpieces in Friction Stir Welding (FSW), Journal No. 51/2023 Dated 22/12/2023

### **FDP Attended**

- Attended 6 Days FDP on Digital Transformation for Smart factories at Madras Institute of Technology, Chennai from 30.10.23 to 04.11.23.
- Attended 5 Days FDP on AI in Robotics and Automation for innovative initiates in digital era at Sri Krishna College of Engineering and Technology, Coimbatore from 04.12.2023 to 08.12.2023.

### **Book / Book Chapters**

 Mechatronics System Design and Development – Scientific International Publishing House - ISBN: 9789361323973

### **Sponsored / Funded Projects**

- Proposal worth of Rs 11.35 Lakhs submitted for DST TIDE under the title **An Intelligent Kitchen appliance for Elderly people.**
- Proposal worth of Rs 10,000 submitted for TNSCST under the title Design and Fabrication of AI based surveillance system for women - safety in public transport system.
- Proposal worth of Rs 10,000 submitted for TNSCST under the title **Design** and Fabrication of an intelligent system to check quality of the rice in ration shop.

#### Mr. S. Vijayan

#### Assistant Professor- Mechatronics Engineering

#### Journal

 S. Vijayan, Ravishankar Sathyamurthy, Esmail M.A. Mokheimer, R. Sathish Kumar, Performance enhancement and emission reduction of CRDI diesel engine fueled using Manilkara Zapota biodiesel blend with TiO2 nanoadditive, Fuel Processing Technology, Volume 248, 2023, 107842, ISSN 0378-3820,



#### **Patents**

 A Tungsten-Carbide Tool to Reduce Consumption of Workpieces in Friction Stir Welding (FSW), Journal No. 51/2023 Dated 22/12/2023

### **Book / Book Chapters**

 Mechatronics System Design and Development – Scientific International Publishing House - ISBN: 9789361323973

### **FDP** Attended

• Attended 5 Days FDP on AI in Robotics and Automation for innovative initiates in digital era at Sri Krishna College of Engineering and Technology, Coimbatore from 04.12.2023 to 08.12.2023.

### **Sponsored / Funded Projects**

• Proposal worth of Rs 10,000 submitted for TNSCST under the title **Design** and development of light weight smart stick for elderly people



# Students Corner





**Velammal Institute of Technology** 

- Ms. S. Shrimukhi from II Year Mechatronics Engineering has attended "Workshop on Industrial Automation" on 26<sup>th</sup> September 2023 organized by Department of Mechanical Engineering at Chennai Institute of Technology, Sarathy Nagar, Chennai.
- Ms. S. Shrimukhi from II Year Mechatronics Engineering has attended "Workshop on Robotics" on 26<sup>th</sup> September 2023 organized by Department of Mechanical Engineering at Chennai Institute of Technology, Sarathy Nagar, Chennai.
- Mr. R. Mukesh, Mr. S. Navin Babu, Mr. M. Pugazhenthi, Mr. R. Syed Haseebur Rahman, Mr. J. Jerine Selvakumar, from III Year Mechatronics Engineering has attended Technical Symposium on 02<sup>nd</sup> Sptember 2023 organized by Department of Mechanical Engineering at St Jospeh's College of Engineering, OMR, Chennai.
- Mr. A. Goutham, from III Year Mechatronics Engineering has attended Technical Symposium and won Third Prize in Paper Presentation on 28<sup>th</sup> October 2023 organized by Department of Mechanical Engineering at T. J. S. Engineering College, Kavaraipettai, Thiruvallur.



Volume - 2 Issue - 1

**Mr. V. Dinesh Kumar** from IV year Mechatronics Engineering has undergone one month internship at Metro Composite Testing Lab, Ambattur, Chennai from 04.10.2024 to 04.11.2023



Our Yukthi team projects (Robots for healthcare applications) from Mechatronics students are participating in the IIC Regional meet at crescent institute of science and technology



Volume - 2 Issue - 1

Velammal Institute of Technology organized one day Blood Donation Camp and Eye Test Camp on 04.11.2023. our department students actively participated in that camp and donated 20 units of blood.



**Department of Mechatronics Engineering** 

Volume - 2 Issue - 1

**Mr. B. Harish** from III Year Mechatronics Engineering has cleared NPTEL Examination in the domain of Data Base Management System





Mr. G. S. Arunachaleswaran from III Year Mechatronics Engineering has cleared NPTEL Examination in the domain of Automation in manufacturing

Mr. Mohan Babu from IV Year Mechatronics Engineering and Mr. Bhuvanesh from II Year Mechatronics Engineering have secured Runners in the Anna University Zone-1 Cricket Tournament.





Roboneir

Mr. Vinish and Mr. R. Gowtham from III Year Mechatronics Engineering have secured Runners in the Anna University Zone-1 Kabbadi Tournament. **Department of Mechatronics Engineering** 

Volume - 2 Issue - 1

**Mr. B. Mohankanth** from III Year Mechatronics Engineering was honored with the **Dr. APJ Abdul Kalam Young Scientist Award** (Sponsored by Education Today) by His Excellency Dr. A. Kalanidhi, the former Vice Chancellor of Anna University.



**Mr. B. Mohankanth** from III Year was honored with the "Rookie of the Year" award by OTOMATIKS, Chennai at Vellore Institute of Technology





# Anna University Examinations April/May 2023

#### II<sup>nd</sup> Semester



M. Jagadeesh Rank : 1<sup>st</sup> GPA : 8.87



S. Lokeshwaran Rank : 2<sup>nd</sup> GPA : 8.83



R. S. Mohanapriya Rank : 2<sup>nd</sup> GPA : 8.83



M. B. Bhuvaneshwaran Rank : 3<sup>rd</sup> GPA : 8.78



D. Dinesh Rank : 4<sup>th</sup> GPA : 8.65



**R. Keerthika** Rank : 5<sup>th</sup> GPA : 8.61



# Anna University Examinations April/May 2023

#### **IV<sup>th</sup> Semester**



B. Haris<mark>h</mark> Rank : 1<sup>st</sup> GPA : 9.70



G. Roshini Jasmine Rank : 2<sup>nd</sup> GPA : 9.65



R. Kaviya Rank : 3<sup>rd</sup> GPA : 9.52





L. Keerthana Rank : 4<sup>th</sup> GPA : 9.39



A. Goutham Rank : 5<sup>th</sup> GPA : 9.13



# Anna University Examinations April/May 2023

### **VIth Semester**



V. Dinesh Kumar Rank : 1<sup>st</sup> GPA : 8.83



H. L. Arun Prasad Rank : 2<sup>nd</sup> GPA : 8.57



A. R. Mohammed Nafiz Rank : 3<sup>rd</sup> GPA : 8.43



V. Vishnu Rank : 4<sup>th</sup> GPA : 8.17



D. Mohanbabu Rank : 5th GPA : 8.04



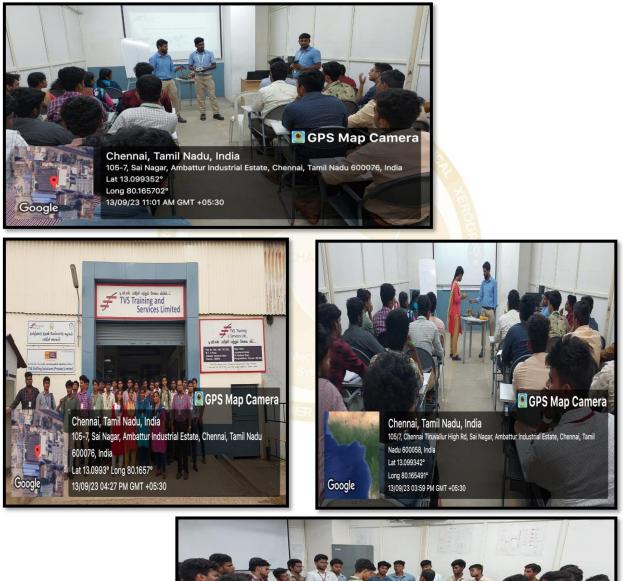
# Out-of-Class Activities





**Velammal Institute of Technology** 

**17 Students from III Year Mechatronics Engineering** have undergone the one week Hands-on Training program on Electric Vehicle at TVS Training and Services, Ambattur from 11.09.2023 to 15.09.2023





## Volume 2 Issue 1



