

## C.M.Vivek Profile

**C.M.Vivek , B.E, M.Tech ,**

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[Google Scholar Citations](#)

Total Citations: 63 h index: 3

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### **Educational Qualification**

<b>Course</b>	<b>Board/University</b>	<b>Year of Passing</b>
B.E (Mechanical Engineering)	Periyar Maniammai Institute of Science & Technology	2012
M.Tech (Advanced Manufacturing)	SASTRA University	2014
Ph.D.	Periyar Maniammai Institute of Science & Technology	Ongoing

### **Work Experience**

<b>Name of the Organization</b>	<b>Designation</b>	<b>Period of Employment</b>	
		<b>From</b>	<b>To</b>
Periyar Maniammai Institute of Science & Technology Thanjavur.	Assistant Professor	July 2015	Till Date
Professional group of institutions, Palladam , Tirupur.	Assistant Professor	June 2014	July 2015

### **Research Working Area:**

- Surface treatment,
- Corrosion Behaviour,
- Outcome Based Education,
- Ergonomic machines,
- Heat exchangers.
- Friction Stir Welding

## Publications in Referred Journals

Title	Journal	Volume/ Issue	Year
Evaluation of course outcome attainment of engineering course with traditional, blended and flipped classroom approaches	Education and Information Technologies	Article in Press	2020
Assessing the student's lean competencies by developing questionnaires related to wastages in engineering laboratory course	Journal of Critical Reviews	7/14	2020
Investigating the fracture behaviour of carburized and carbonitrided 16MnCr5	IOP Conference Series: Materials Science and Engineering	764/12004	2020
Design And Fabrication Of Ergonomic Hedge Trimming Machine With Angle Adjustment	International journal of scientific & technology research	9/2	2020
Influence of Activity based Assessment in Outcome-based Education	Test engineering and management	81	2019
Review of Flat Plate Solar Collectors And Solar Energy Utilization In India	International Journal of Scientific Research and Reviews	8/2	2019
Computational Analysis and Optimization of Spiral Plate Heat Exchanger	Journal of applied fluid mechanics	11/ Special issue	2018
Outcome Based Education – A Review	International Research Journal of Engineering and Technology	4/7	2017
A review on friction stir welding of titanium alloys	Indian Journal of Scientific Research	14/1	2017
A review on vertical and horizontal axis wind turbine	International Research Journal of Engineering and Technology	4/4	2017
Influence Of Carburizing and Carbonitriding in 16mncr5 to Enhance Mechanical Properties	International Journal of Innovations in Engineering and Technology	7/3	2016
Investigating the mechanical and metallurgical properties of Carburized 16MnCr5 steel	International Journal of Scientific & Engineering Research	7/2	2016

## Conferences

- Presented paper titled Influence of “Influence of Activity based Assessment in Outcome-based Education” at National conference on Emerging management and Technology practices at PMIST Oct 10 & 11, 2019
- Presented paper titled “Investigating the fracture behaviour of carburized and Carbonitrided 16MnCr5” at International conference on advances in material processing and characterization held at Bannari Amman institute on Sep 10 & 11 ,2019

- Presented paper titled Design optimization of shrub trimming machine at International Conference on “Trends in Emerging Energy Technologies”2019 held at PMIST
- Presented paper titled Design and fabrication of foldable electric scooter at International Conference on “Trends in Emerging Energy Technologies”2019 held at PMIST
- Presented paper titled The effectiveness of media on child development at National Conference on “Media and child development held at Government college of education Sep 28-29, 2018
- Presented paper titled Effects of hedge trimming machine societal view, National CONference on Energy and Environment held at Kalasalingam Academy of Research and Education on March 17, 2018
- Presented paper titled Automatic glass window cleaning machine for high rise buildings, National CONFERENCE on Energy and Environment held at Kalasalingam Academy of Research and Education on March 17, 2018

### FDP’s Participated

<b>Title</b>	<b>Organizer</b>	<b>Month/ Year</b>	<b>Duration</b>
Energy Engineering	Netaji Subhas University of Technology.	October 2020	5 Days
Universal Human Values	National Institute of Technology Patna	September 2020	5 Days
Testing of materials for Engineering Applications	Meenakshi Sundarajan Engineering college	June 2020	5 Days
Research Methodologies, Tools and Techniques	QIS college of engineering and technology	June 2020	5 Days
Effective Online Teaching Methods	Dr. N.G.P. institute of technology, Coimbatore.	June 2020	7 Days
Product Design & Novelty	Dr Vithalrao Vikhe Patil College of Engineering, Ahmednagar, Maharashtra and The Institution of Engineers (India)Ahmednagar local Centre	June 2020	5 Days
Advanced NDT Techniques & Applications in Industry	Indian society for non-destructive testing, Hyderabad chapter in association with QISCET, Ongole	May 2020	5 Days
INSIGHTS INTO QUALITY RESEARCH AND INNOVATION	Vivekanandha College of Engineering for Women	May 2020	7 Days
Improving Your Research Visibility – Research Impact and Metrics	Vellar college of engineering and technology, Erode	May 2020	3 Days

Additive Manufacturing	Periyar Maniammai Institute of Science & Technology	July 2019	7 Days
Foundation program in ICT for education organized and Pedagogy for online and blended teaching learning process	IIT Bombay	May	14 Days
Experimental Methods and Laboratory Practices in Mechanical Engineering	Periyar Maniammai Institute of Science & Technology	May 2017	6 Days
Design and Manufacturing	Periyar Maniammai Institute of Science & Technology	May 2016	7 Days
Question Paper Setting And Evaluation Reforms	Question Paper Setting And Evaluation Reforms	Dec 2015	2 Days

### Certification Courses

Course Name	Organizer	Month/Year
Outcome based Curriculum Planning, Mapping and Measurement	Sri Krishna College of Technology	October 2020
Industrial robotics and it's applications	Mahendra Institute of Technology	May 2020
Industry 4.0	Tata Steel	April 2020
Art of Professional Writing	Mahendra Institute of Technology	April 2020
Mechanical Ventilation	Harvard Medical School	April 2020
STTP on Innovation and Research challenges in IoT applications for smart manufacturing and smart design	Sri Ramakrishna Engineering College, Coimbatore	December 2019
Digital Marketing	MSME	October 2018

### Workshops Participated

Title	Organizer	Month/Year	Duration
Outcome Based Education, NBA Approach	Dr Vithalrao Vikhe Patil College of Engineering	June 2020	2 Days

	Ahmednagar, Maharashtra.		
Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop	IIT Bombay	May 2020	1 Day
Effective usage of Digital resources	Periyar Maniammai Institute of Science & Technology	November 2019	2 Days
Basic concepts of effective research planning. Scientific writing and successful communication	Periyar Maniammai Institute of Science & Technology	July 2019	2 Days
75 Student Satellite mission 2020	Indian Technology Congress Association	November 2018	2 Days

### Subjects Handled

- Manufacturing Process
- Engineering Materials and Metallurgy
- Computer Integrated Manufacturing
- Lean Manufacturing
- Tool Engineering
- Mechatronics
- Automobile Engineering
- Basic Mechanical engineering
- Renewable Energy Sources
- Professional Ethics
- Maintenance Engineering
- Engineering Graphics
- Entrepreneurship Development
- Carbon Sequestration and trading

### Laboratories Handled

- Thermal Engineering Lab
- Metrology and Measurement Lab
- Strength of Materials Lab
- Basic Workshop Practices
- Machines Lab
- Mechatronics Lab

### Other Roles and Responsibilities held

- Class In-charge
- OBE coordinator department in charge
- Time table / workload in-charge
- Admission team member
- VSV, Periyar 1000 Coordinator

### Membership

- Member of the International Association of Engineers (IAENG)