



S. OM PRAKASH

Director (Internal Quality Assurance Cell)
Associate Professor (Mechanical Engineering)

ACADEMIA

Ph. D. Programme – Faculty of Mechanical Engineering in Welding
Anna University Chennai in Welding **June 2020**

M.B.A. - Human Resources from Bharathiar University, Coimbatore
completed by **January 2013**

M.E. - Product Design & Development with Mechanical Engineering
Department, Anna University of Technology Coimbatore in **June 2011**
(CGPA 7.4)

B.E. - Mechanical Engineering from Sri Krishna College of Engineering
and Technology, Coimbatore in **May 2008** (Aggregate **69%**)

HSC from GKD Matric Higher Secondary School in **May 2004**
(Secured **84%**)

SSLC from GKD Matric Higher Secondary School in **May 2002**
(Secured **83%**)

EXPERIENCE CHRONICLE

Director – IQAC & Associate Professor/ Mechanical Engineering
Christ the King Engineering College, Coimbatore, Tamil Nadu
01-07-2021 to Currently Working

Associate Professor/ Mechanical Engineering
Rama University, Kanpur, Uttar Pradesh
10-11-2020 to 07-06-2021

Head of the Department & Associate Professor/ Mechanical Engineering
Sri Ranganathar Institute of Engineering and Technology Coimbatore
25-06-2018 to 07-11-2020

Assistant Professor (Senior Grade)/ Mechanical Engineering
Nehru Institute of Technology, Coimbatore
02-05-2017 to 11-05-2018

Assistant Professor (Senior Grade)/ Mechanical Engineering
United Institute of Technology, Coimbatore
22-05-2012 to 30-04-2017

Assistant Professor/ Mechanical Engineering
Velammal Engineering College, Chennai
21-06-2011 to 04-05-2012

Assistant Professor/ Mechanical Engineering
Sri Ramakrishna Engineering College, Coimbatore
19-11-2010 to 06-05-2011

Lecturer / Mechanical Engineering
Maharaja Prithvi Engineering College, Avinashi
02-06-2008 to 16-11-2010

PROFILE

As an **14+ years** experienced faculty, I would like to devise, incorporate unique teaching practices that creates interest and knowledge for students on an ongoing basis. With my leadership skills, cordial & innovative nature, I would like to be a part of a dynamic team of faculty & institution who share the same vision and bring the best knowledge deliverance to the students and prepare them for their future careers & life.

CONTACT

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3rd Layout, SRKV Post,
Periyanaickenpalayam
Coimbatore - 641020

LinkedIn Profile

<https://www.linkedin.com/in/s-om-prakash-977005b/>

Research Gate

<https://researchgate.net/profile/Om-Prakash-99>

Academia

<https://independent.academia.edu/OmPrakash15>

Scopus ID : 57196262124

WoS Researcher ID: AHA-5838-2022

Orcid ID:0000-0002-6397-6823

PART TIME EXPERIENCE

- ◆ **Anna University Regional Center**, Coimbatore campus (2012 to 2015)
- ◆ **Dr. M.G.R University**, Educational And Research Institute Campus at Maduravoyal, Chennai (2011 to 2012)

SKILL SETS

- ✓ Good Administrative skills with profound ability and desire to work in a team environment
- ✓ Immense experience in understanding the student requirement and deliver a best possible lecture with smart teaching aids
- ✓ Quickly understanding the work allocated and produces best result as earliest
- ✓ Prepare Engineering documents and tools to reduce the working hours thus enabling smart work culture in the team
- ✓ Perform studies to benchmark and evaluate the student's capabilities for better mentoring
- ✓ Responsible for the documentation of the academic and non-academic activities related to the department

ACADEMIC INTEREST

- ◆ Back Welding
- ◆ Composite Materials
- ◆ Optimization Techniques
- ◆ Fixture Design

SOFTWARE SKILLS

Design Software

Auto-CAD, Pro-E, Unigraphics, CATIA

Analysis Software

ANSYS

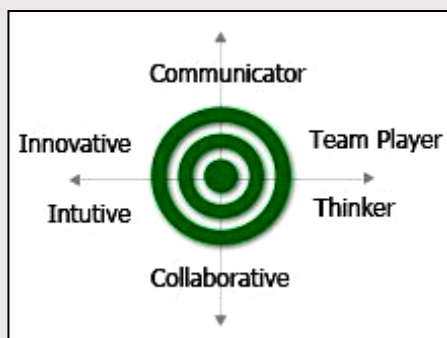
Programming Software

Master CAM, Fanuc - CNC Mill & Turn

Entertainment Software

Adobe Photoshop, Canva, Filmora, Power Director.

SOFT SKILLS



PROFILE SNAPSHOT

14+ Years of Teaching Experience in the Mechanical Engineering domain.

Director - IQAC (Internal Quality Assurance Cell), Academics and Admission also coordinating for Accreditation Process (NAAC) for Christ the King Engineering College, Karamadai, Coimbatore

NBA Coordinator, NAAC – C3 Coordinator and Program Coordinator - FET for M. Tech. Program for all branches in Faculty of Engineering and Technology – Rama University, Kanpur

Nodal Officer for ARIIA – ATAL Ranking of Institutions on Innovation Achievements in Rama University, Kanpur

President for IIC – Institute Innovation Council in Faculty of Engineering and Technology – Rama University, Kanpur

Head of the Department taking care of academic as well as non-academic activities of students and all kinds of administrative works assigned by the Principal and Management in Sri Ranganathar Institute of Engineering and Technology, Coimbatore

MHRD – IIC Ambassador and EDC Coordinator for Sri Ranganathar Institute of Engineering and Technology, Coimbatore

Industry Institute Partnership Cell (IIPC) – In charge – Collaborating Institute with various Industries on Signing up MoU for Consultancy Activity, Placement, Internship, In-Plant- Training and Industrial Visit in Sri Ranganathar Institute of Engineering and Technology, Coimbatore

Admission Coordinator – Taking Care of Promotion, Tele-calling, Admission Conversion, Counselling Arrangements, Monitoring and Co-ordinating all kind of Admission Works in Sri Ranganathar Institute of Engineering and Technology, Coimbatore

Management Representative (MR) for ISO Audit Process & NBA Coordinator for Accreditation Process in Sri Ranganathar Institute of Engineering and Technology, Coimbatore

Coordinated in NACC for various Criteria at department level in United Institute of Technology, Coimbatore (also prepared the Principal Presentation for the committee members of NACC)

Coordinator for Association of Automobile Engineers (AAE) in Nehru Institute of Technology, Coimbatore

Admission Officer for RS Puram IIPC in Coimbatore, on behalf of Nehru Group of Institution

Final Year Coordinator for 224 Students in United Institute of Technology, Coimbatore (Taking Care of Academics and Non-Academic Activities)

Exam Cell In charge for all the UG and PG Courses in United Institute of Technology, Coimbatore

Coordinator for Association of Mechanical Engineers (AME) in United Institute of Technology, Coimbatore

Committee Member for Student Welfare & Disciplinary Committee (SWDC) in United Institute of Technology, Coimbatore

Exam Cell Member & Library In charge for Department of Mechanical Engineering in Velammal Engineering College, Chennai

Additional Transport Coordinator in Maharaja Prithvi Engineering College, Avinashi

Timetable In charge for Department of Mechanical Engineering in Sri Ramakrishna Engineering College, Coimbatore as well as United Institute of Technology, Coimbatore

Coordinator for AICTE Anna University Affiliations Processes for Mechanical Engineering Department works Maharaja Engineering College, Avinashi

Sports Secretary for Annual Sports day function at United Institute of Technology, Coimbatore

SUBJECTS HANDLED

Basic Engineering Courses

- Engineering Graphics
- Basic Civil & Mechanical Engineering
- Engineering Mechanics

Core Engineering Courses

- Dynamics of Machines
- Kinematics of Machinery
- Finite Element Analysis
- Manufacturing Technology I & II
- Metrology & Measurements
- Design of Jig, Fixtures, Press Tools & Mould

Automobile Engineering Program

- Automotive Engines
- Engine & vehicle Management System

Professional Courses

- Additive Manufacturing
- Automobile Engineering
- Maintenance Engineering
- Power Plant Engineering
- Computer Aided Manufacturing
- Production Planning & Control
- Unconventional Machining Process
- Engineering Economics and Cost Analysis
- Process Planning & Cost Estimation

Management & General Courses

- Environmental Science & Engineering
- Principles of Management

B.Sc. Agricultural Program

- Form Machines and Power

M.Tech./ M.E. Courses

- Finite Element Analysis
- Production and Operation Management
- Industrial Robotics and Expert System
- Mechatronics Application in Manufacturing
- Product Design and Development
- Computer Aided manufacturing



LABORATORIES HANDLED

- Simulation and Analysis Laboratory
- Metrology and Measurement Laboratory
- Manufacturing Laboratory I & II
- Kinematics & Dynamics Laboratory
- Engineering Practices Laboratory



ADD-ON COURSES

NPTEL

Manufacturing of Composites
Product Design and Development
Advanced Material and Processes
Fundamental of Welding Science and Technology

TWI - CSWIP 3.0

Visual Welding Inspector

Organized and coordinated various National Level Symposiums

- **MEXCEPTION** 10 in 2010 at MPEC
- **CARNIVAL** Version 2.0, V 3.0 & V 4.0" in 2014, 2015 & 2016 at UIT
- **SRISTI** 2K19, SRISTI 2K20 at SRIET

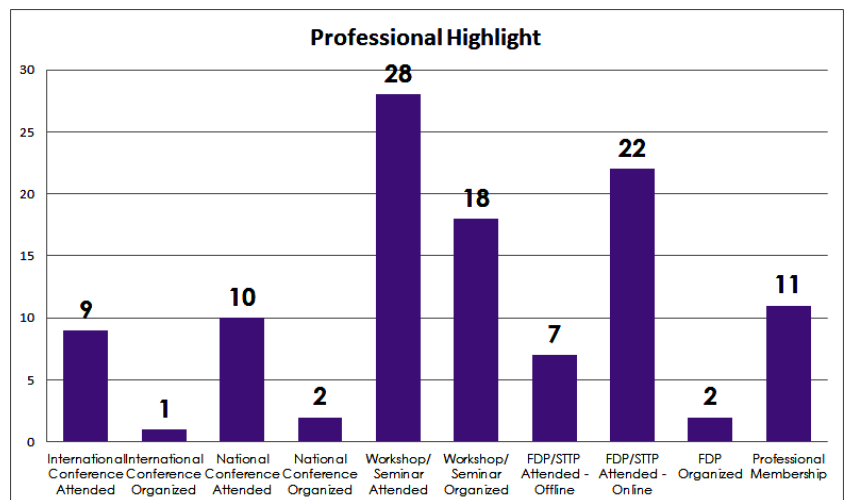
Organized and Coordinated various Faculty Development Programs, Seminars, Workshops, Hands on Training, Awareness Programs and Motivational Speech, Conference, etc.,

Coordinated for Fine Arts Club in United Institute of Technology, Coimbatore and also organized various cultural events

Established various Mechanical Engineering Laboratories like Engineering Practice Lab, Metrology Lab & CAD/ CAM laboratories



PROFESSIONAL HIGHLIGHT



WORTH MENTIONING ACTIVITIES

MoU SIGNED

- ♦ **MSME** Technology Development Centre – PPDC, Agra and Ram University, Kanpur
- ♦ **CRI Pump Pvt. Ltd. & CRI Health Care**, Coimbatore
- ♦ **ISNT** – Indian Society of Non Destructive Testing, Chennai and SRIET, Coimbatore
- ♦ **COINDIA** - Coimbatore Industrial Infrastructure Association and SRIET, Coimbatore
- ♦ **CADD** Technologies, Coimbatore and SRIET, Coimbatore
- ♦ **Vland** Best Hub, Singapore and SRIET, Coimbatore
- ♦ **MAS Solar Systems** Private Limited, Coimbatore and SRIET, Coimbatore
- ♦ **Madras Radiators And Pressings** Ltd, Coimbatore and SRIET, Coimbatore
- ♦ **Suba Plastics** Private Ltd, Coimbatore and SRIET, Coimbatore
- ♦ **Doiter Castings**, Coimbatore and SRIET, Coimbatore
- ♦ **Gain up** Industries India Pvt. Ltd, Dindigal and SRIET, Coimbatore
- ♦ **Milacron** India Private Limited, Coimbatore and UIT, Coimbatore
- ♦ **Vanaprasth** – Out Bond Training Center, Coimbatore and CKEC, Coimbatore
- ♦ **College Dekho** Corporate Office, Haryana and CKEC, Coimbatore

MEMBERSHIP and CHAPTERS

- ♦ **IIF** - The Institute of Indian Foundrymen, Kolkata - Institutional Member
- ♦ **INST** - Indian Society of Non Destructive Testing, Chennai – Life time Member and Student Chapter
- ♦ **SAE International** - Society of Automotive Engineers - Student Chapter – Participated in Bharath Formula Karting Season 3 in Coimbatore

AWARDS AND HONORS

Honoured IARDO Raising Star Awards 2021 for **"Academic Leadership"** on the occasion of International Award Conference for Multi-Disciplinary Innovation on 27th December 2021 organized by Tiumala Engineering College, Andhra Pradesh.

Honoured In Sc Awards - 2020 in the category for **"Young Researcher Award 2020"** on 20th November 2020 organised by Institute of Scholar (In Sc), Bangalore

Received Appreciation Award for being one of the finalist with 28,24,800 votes on Honouring Human Centered Innovation Award 2021, category for **"Global Academic Researcher of the Year"** organized by HUMCEN Global limited, India

A project titled 'Top Lit Updraft (TLUD) Wood Gasifier Stove', was recognized by **'Chhatra Vishwakarma Award 2019'** by AICTE

Recognized for the 1st Industry Leadership Awards - ILA 2019 as **"Young Leader in Higher Education Award 2019"** on 2nd November 2019 organised by Vinous International Foundation, Chennai

ACHIEVEMENTS

EVENT COORDINATOR to create a **UNIQUE MASS WORLD RECORD** of Developing more than 1000 Websites using Word Press by more than 500 students in 2 hours in a single venue at SRIET, Coimbatore on 09.02.2019

Produced **100% RESULT** is Anna University Semester Examination for

- Basic Civil & Mechanical Engineering
- Metrology & Measurements
- Design of Jigs Fixtures & Press Tools
- Maintenance Engineering
- Engineering Graphic

ACTED AS JURY for Internal Hackathon on behalf of Smart India Hackathon 2020 on 10th and 11th January 2020 at SRIET and for State Level 47th Jawaharlal Nehru Science Exhibition organized by Government of Tamil Nadu – Coimbatore School Education on 11th October 2019 at SRIPC

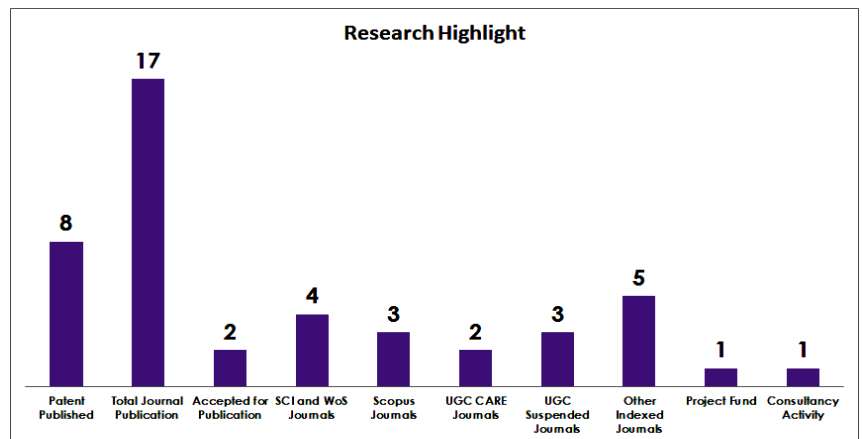
Recognized and appreciated for the contribution towards **INDUSTRY – INSTITUTE PARTNERSHIP** activities in Sri Ranganathar Institute of Engineering and Technology, Coimbatore

COLLABORATION

- ◆ National University of Life and Environmental Sciences of Ukraine, **Ukraine**
- ◆ University of Andalas, **Indonesia**
- ◆ Gembella University, **Ethiopia**
- ◆ Jimma University, **Ethiopia**
- ◆ **TWI** – The Welding Institute, **United Kingdom**
- ◆ **PSG** Techs, COE InduTech - Testing Facilities, Coimbatore
- ◆ Metallurgical and Materials Engineering - **NIT Trichy**
- ◆ **Welding Research Cell**, Coimbatore Institute of Technology, Coimbatore
- ◆ **Metal Joining Research Center**, Sri Ramakrishna Engineering College
- ◆ **SITRA** - The South India Textile Research Association, Coimbatore
- ◆ **COSMAFAN** Foundry Owners Association, Coimbatore
- ◆ **Nandha Info Tech**, Coimbatore – World Record Collaboration



RESEARCH HIGHLIGHT



PATENT

1. Patent published in the title **"Machine Learning Based Vehicle Accident Prediction Model in Rainfall Environment"** on 3rd December 2021 with application number 202141052615, with Journal No. 49/2021
2. Patent published in the title **"Balanced High Speed Composite Flywheel"** on 26th March 2021 with application number 202111012413, with Journal No. 13/2021
3. Patent published in the title **"Smart Trolley System for Airports and Shopping Malls"** on 15th December 2020 with application number 202041054514, with Journal No. 52/2020
4. Patent published in the title **"Induction Cooking uses Matrix Converter Based on IoT"** on 04th December 2020 with application number 202011053089 with Journal No. 50/
5. Patent published in the title **"Real Time Monitoring and Tracking of Motor Vehicles Using IoT"** on 04th December 2020 with application number 202011050686 with Journal No. 49/2020
6. Patent published in the title **"Door Mounted Door Handle Sanitizer Dispenser"** on 10th July 2020 with application number 202041026845 with Journal No. 28/2020
7. Patent published in the title **"Automatic Touchless Mist Spray Sanitizer Dispenser"** on 03rd July 2020 with application number 20204102594 with Journal No. 27/2020
8. Patent published in the title **"Solar Based Smart Irrigation System"** on 07th February 2020 with application number 202041003651 with Journal No. 06/2020



ARBITER



Dr. Joghee Subramanian



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Ethiopia



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Dr. T. Mathavaraj Ravikumar



Principal

Vidhya Academy of Science &
Technology
Kilimanoor, Thiruvananthapuram
Kerala – 695 602



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mathurajravi@gmail.com



PROFILE SUMMARY

Have **sound knowledge in the teaching field** that includes facilitating the students for improving their communication skills, developing personality skills, and Interactive teaching with regular classroom discussions.

Have hands-on experience (**14+ Yrs**) in reputed engineering institutions at various administrative portfolios as

- ◆ **Director (IQAC)**
- ◆ **Head of the Department**
- ◆ **PG Coordinator**
- ◆ **NAAC and NBA Accretions**
- ◆ **MR for ISO Certification**
- ◆ **President – IIC**
- ◆ **ARIIA – Nodal Officer**
- ◆ **NIRF – Nodal Officer**
- ◆ **IIPC – In charge**
- ◆ **Admission In charge**
- ◆ **Exam Cell In charge**
- ◆ **Time Table Coordinator**
- ◆ **Association Coordinator**
- ◆ **Transport In charge**
- ◆ **Sports Secretary., etc.,**

15. **Om Prakash. S**, Sunil Kumar. R, Manikandan. N, 'Enhancing the Submersible Pump Rotor Performance by Taguchi Optimization Technique for Turning Cutting Parameters', **International Research Journal of Engineering and Technology (IRJET)**, vol, 1, no, 6, pp, 972-975, 2017
16. **Om Prakash. S**, Pathmasharma. S, , Fabrication and Performance Analysis of PEM Fuel Cells with Different Bipolar Plate Materials', **International Journal for Scientific Research & Development (IJSRD)**, vol, 3, no, 1, pp, 17-22, 2017
17. Chinnarau.K, **Om Prakash. S**, Raajesh Krishna. C. R 'Investigation on Tribological Properties of Heat Treatable Aluminium-Based Alloys', **Journal for Technological Advances and Scientific (JTASR)**, vol, 4, no, 3, pp, 701-704, 2017



JOURNAL ACCEPTED FOR PUBLICATIONS

1. Jeyakumar M, **Om Prakash S**, Vimala Idhayan. J, Dharmaraj T.B, 'Application of Experimental Design and Model Approximation Techniques in Metamodel Development', **AIP Conference Proceedings**, June 2022 (**WoS & Scopus**) (*Accepted for publication*)
2. Srinivasan. V, **Om Prakash S**, D. Rajeshkumar, 'Studies on the Mechanical and Tribological Properties of INCONEL 617 Cladding on Martensite Stainless Steel', **Future Advances in Material Science**, August 2022 (**Scopus**) (*Accepted for publication*)



FUNDS/ CONSULTANCY

1. Consultant Amount of **₹. 8,803/-** for the Project In-Charge in the **Professor Consultancy Program – Online** (from September to November) by Chegg India Private Limited, New Delhi.
2. Student Project Fund 2018-19 worth of **₹. 7,500/-** from **Tamil Nadu State Council for Science and Technology (TNSCST) DOTE Campus**, Chennai titled on "*Analysing the effects of Backing plate on the weld strength on aluminium alloys*"



RESOURCE PERSON

1. Delivered an online mode FDP presentation on the topic "**Fusible Deposition Methods on 3D Printing**" an Expert Speaker for Faculty Development Program Titled "**Recent Trends in Additive Manufacturing Process and its Application**" organized by Mechanical Engineering Department of Karpagam College of Engineering, Coimbatore on 03.08.2022
2. Delivered an online mode FDP presentation on the topic "**Development of Bio composites for advanced Applications**" an Expert Speaker for Faculty Development Program Titled "Recent Trends in Materials and manufacturing" organized by Mechanical Engineering Department of Karpagam College of Engineering, Coimbatore on 06.08.2021
3. Delivered an online mode webinar presentation on the topic "**Industrial Internet of Things in the Context of Industry 4.0**" an Expert Lecture to Electronics and Communication Engineering Students of Gnyanamani College of Technology, Namakkal on 19.03.2021
4. Delivered an Short Term Course for 1 Week on the topic "**Design Thinking for New Product Development – Hands On Training**" to all program Students of Rama University, Kanpur, Uttar Pradesh from 18th to 24th December 2020
5. Delivered an online mode webinar presentation on the topic "**Industry 4.0**" an Expert Lecture to Mechanical Engineering Students of Christ the King Engineering College, Coimbatore on 19.03.2021

DECLARATION

The above said information are true to the best of my knowledge, and hope this will be a brief reference for you to give me an opportunity to prove myself, to serve your well-directed needs

Dr. S. OM PRAKASH
Updated on 3rd April 2023

6. Delivered an Institute Innovation Council (IIC) - Orientation Presentation on the topic "**Innovation Ambassador**" to IIC Students of Hindustan Institute of Technology(Autonomous College), Coimbatore, on 27.02.2021
7. Delivered an Short Term Course for 1 Week on the topic "**Design Thinking for New Product Development – Hands On Training**" to all program Students of Rama University, Kanpur, Uttar Pradesh from 18th to 24th December 2020
8. Delivered an online mode webinar presentation on the topic "**Design Thinking for New Product Development**" to Mechanical and Automobile Engineering Students of JKK Munirajah College of Technology, Erode on 10th October 2020
9. Delivered a presentation on the topic "**Higher Education and its Opportunities**" a Motivational Address to All Engineering Stream Students of Sri Ranganathar Institute of Polytechnic College, Coimbatore on 20th February 2020
10. Delivered a presentation on the topic "**Industry 4.0**" a Guest Lecture to Mechanical and Automobile Engineering Students of Sri Ranganathar Institute of Polytechnic College, Coimbatore on 30th January 2020
11. Delivered a presentation on the topic "**Out Come Based Educational System**" a source of beginning for NBA to all teaching fellow of Sri Ranganathar Institute of Engineering & Technology, Coimbatore on 26th June 2019
12. Delivered a guest lecture for one day state level workshop on the topic "**Engine and Vehicle Management System**" exclusively for polytechnic students at Sri Ranganathar Institute of Engineering & Technology, Coimbatore on 08th February 2019
13. Delivered a guest lecture for one day state level workshop on the topic "**Automotive Engine Management System**" at Sri Ranganathar Institute of Engineering & Technology, Coimbatore on 24th Jan 2019
14. Delivered a guest lecture on the topic "**Engine and Vehicle Management System**" for Department of Automobile Engineering of JCT College of Engineering & Technology, Coimbatore on 08th October 2018
15. Delivered a guest lecture on the topic "**Industrial Robotics**" for Department of Automobile Engineering of JCT College of Engineering & Technology, Coimbatore on 02nd August 2017
16. Delivered a guest lecture on the topic "**Finite Element Analysis**" for Department of Mechanical Engineering of Coimbatore Institute of Engineering & Technology, Coimbatore on 19th September 2015