

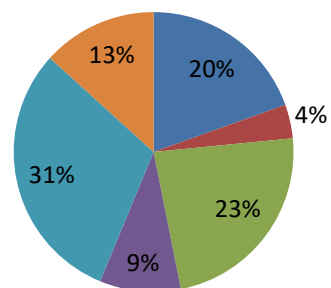


KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY COIMBATORE

EXTERNAL PARTICIPATION 2018-2019

| S. NO | NAME OF THE PROGRAM | TOTAL COUNT |
|-------|--------------------------|-------------|
| 1 | FDP | 25 |
| 2 | WORKSHOP | 5 |
| 3 | ONLINE COURSES | 30 |
| 4 | INTERNATIONAL CONFERENCE | 12 |
| 5 | NATIONAL CONFERENCE | 39 |
| 6 | INTERNSHIP | 17 |

Chart Title





KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE

EXTERNAL PARTICIPATION 2018-2019 WORKSHOP

| S.No | NAME | DATE | EVENT | TITLE | VENUE |
|------|---------------|-----------------------|-------------------|---|--|
| 1 | P.Manoj Kumar | 28.08.18 | Workshop | Design of Experiments | Dr.N.G.P. Institute of Technology, Cbe |
| 2 | P.Manoj Kumar | 11.01.19 & 12.01.19 | Seminar | Machine Vision and Optronic Systems | Rathinam Technical Campus, Coimbatore |
| 3 | P.Manoj Kumar | 21.02.19 | Workshop | Research Perspectives on Futuristic Energy Materials and Energy Storing Systems | Dr.N.G.P. Institute of Technology, Cbe |
| 4 | N.Udhayakumar | 25.02.2019-27.02.2019 | Workshop - 3 days | Engine tesing and Certification | Vel Tech, avadi,Chennai by ARAI |
| 5 | B.Arulmurugan | 29.4.19-3.5.19 | Workshop | Advanced Welding Techniques | IIITD&M, Kancheepuram |



KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE

EXTERNAL PARTICIPATION 2018-2019 FACULTY DEVELOPMENT PROGRAM

| S.No | NAME | DATE | DURATION | DEPT | TITLE | VENUE |
|------|--------------------|----------------------------|---|-----------------------------|--|---|
| 1 | K.Sreeram | 07.10.18 | FDP - 1 week | Mechanical Engg | Design for Quality, Manufacturing & Assembly | NPTEL-AICTE FDP program Online |
| 2 | P.Sureshkumar | 12.11.18 | FDP - 2Days | Mechanical Engg | Manufacturing Technology - I | Roots Industries India Limited |
| 3 | T.Kannan | 12.11.18 | FDP - 2Days | Mechanical Engg | Manufacturing Technology - I | Roots Industries India Limited |
| 4 | K.Sreeram | 31.03.2019 | FDP - 3 days | Mechanical Engg | Product Design and Development | NPTEL-AICTE FDP program Online |
| 5 | P.Manoj Kumar | February 2019 | FDP - 3 days | Mechanical Engg | Convective Heat Transfer | NPTEL-AICTE FDP program Online |
| 6 | Dr M Shanmugaraja | 13.05.2019 - 24.05.2019 | FDP - 15 days | Mechanical Engg | FDP on Entrepreneurship | PSG College of Technology, Coimbatore |
| 7 | Dr.R.Saravanakumar | 6.5.19-17.5.19 | GIAN corse -FDP | Mechanical Engg | Advanced IC Engines | NIT, Trichy |
| 8 | S. Vasanthaseelan | 13.05.19 - 09.06.19 | Faculty Induction Program - 4 Weeks | Teaching Learning Centre | Four Week Faculty Induction Program | Coimbatore Institute of Technology, Coimbatore |
| 9 | T.Kannan | 17.6.19 To 21.6.19 | FDP-5 Days | Mechatronics Engineering | Robotics and Automation | Thiagarajar college of Engineering |

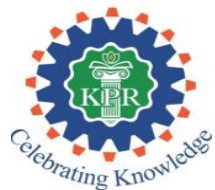


KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE

2018-2019 ONLINE COURSE

| S.No | NAME | DATE OR DURATION | COURSE TITLE | ONLINE COURSE (NPTEL/COURSERA/ etc) |
|------|-----------------|------------------------------|---|-------------------------------------|
| 1 | P.Manoj Kumar | 2.8.18 to 27.10.18 (8 Weeks) | Fluid Dynamics and Turbo Machines | NPTEL |
| 2 | P.Manoj Kumar | Six weeks | Energy 101: The Big Picture | COURSERA |
| 3 | P.Manoj Kumar | Six weeks | Advanced Engineering Systems in Motion: Dynamics of Three Dimensional (3D) Mo | COURSERA |
| 4 | P.Manoj Kumar | Four weeks | Success | COURSERA |
| 5 | P.Manoj Kumar | Five weeks | Applications in Engineering Mechanics | COURSERA |
| 6 | P.Manoj Kumar | Six weeks | Fundamentals of Fluid Power | COURSERA |
| 7 | K.Sreeram | Eight weeks | Design for Quality, Manufacturing & Assembly | NPTEL |
| 8 | P.Sureshkumar | Four weeks | Entrepreneurship: Developing the Opportunity | COURSERA |
| 9 | P.Sureshkumar | Four weeks | Entrepreneurship: Launching your Start-up | COURSERA |
| 10 | P.Sureshkumar | Four weeks | Entrepreneurship: Growth Strategies | COURSERA |
| 11 | P.Sureshkumar | Four weeks | Entrepreneurship: Financing and Profitability | COURSERA |
| 12 | P.Sureshkumar | Eight Weeks | Manufacturing of Composites | NPTEL |
| 13 | P.Manoj Kumar | Eight weeks | Introduction to Thermodynamics: Transferring Energy from Here to There | COURSERA |
| 14 | P.Manoj Kumar | Eight weeks | Mechanics: Motion, Forces, Energy and Gravity, from Particles to Planets | COURSERA |
| 15 | P.Manoj Kumar | Four weeks | English for Science, Technology, Engineering, and Mathematics | COURSERA |
| 16 | P.Manoj Kumar | Nine weeks | Statistical Molecular Thermodynamics | COURSERA |
| 17 | R. Vivekanandan | Four weeks | DL101- GENERAL COURSE ON INTELLECTUAL PROPERTY | WIPO |
| 18 | D. Balaji | Four weeks | PCT101- INTRODUCTION TO THE PATENT COOPERATION TREATY | WIPO |
| 19 | D. Balaji | Twelve weeks | PATENT LAW FOR ENGINEERS | NPTEL |

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|----|-------------------|-----------------------------|--|----------|
| 20 | R. Vivekanandan | Twelve weeks | Fundamentals of manufacturing process | NPTEL |
| 21 | D. Balaji | Four weeks | Design thinking for Innovation | COURSERA |
| 22 | K.Sreeram | Four weeks | Product Design and Development | NPTEL |
| 23 | P.Manoj Kumar | Four weeks | Convective Heat Transfer | NPTEL |
| 24 | S.DEEPAN | Four weeks | HIDDEN VALUES IN LEAN | COURSERA |
| 25 | P.Manoj Kumar | Four weeks | PCT101- INTRODUCTION TO THE PATENT COOPERATION TREATY | WIPO |
| 26 | Dr M shanmugaraja | Jan - Feb 2019 (4 weeks) | Effective Engineering Teaching in Practice | NPTEL |
| 27 | B.Arulmurugan | Four weeks | Welding of High Strength Steels for Automotive Application | NPTEL |
| 28 | B.Arulmurugan | Four weeks | Patent Drafting for Beginners | NPTEL |
| 29 | B.Arulmurugan | Eight weeks | Fundamentals of Welding Science and Technology | NPTEL |
| 30 | B.Arulmurugan | Eight weeks | Weldability of Metals | NPTEL |



KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY COIMBATORE

EXTERNAL PARTICIPATION 2018-2019 INTERNATIONAL CONFERENCE

| S.No | NAME | DATE | TITLE OF THE PAPER | VENUE |
|------|---------------|--------------------|--|--|
| 1 | P.Manoj Kumar | 8.3.19 - 9.3.19 | Wear Analysis of Al 5052 Alloy with varying percentage of Tungsten Carbide | Bannari Amman Institute of Technology, Sathyamangalam |
| 2 | P.Manoj Kumar | 8.3.19 - 9.3.19 | Experimental Investigations on Thermal Management and Performance Improvement of Solar PV Panel using a Phase Change Material | Bannari Amman Institute of Technology, Sathyamangalam |
| 3 | P.Manoj Kumar | 8.3.19 - 9.3.19 | Study on Thermal Conductivity of the Candle Making Wax (CMW) using Nano - TiO ₂ particles for Thermal Energy Storage Applications | Bannari Amman Institute of Technology, Sathyamangalam |
| 4 | P.Manoj Kumar | 27.3.19 - 28.3.19 | Recognition of Mobile Shelving System for High Density Storage | SNS College of Technology, Coimbatore |
| 5 | P.Manoj Kumar | 29.03.19- 31.03.19 | Experimental Study on Thermal Properties of Nano-TiO ₂ Embedded Paraffin (NEP) for Thermal Energy Storage Applications | Vellore Institute of Technology, Vellore |
| 6 | P.Manoj Kumar | 29.03.19- 31.03.19 | Experimental and Theoretical Investigations on Thermal Conductivity of the Paraffin Wax using CuO Nanoparticles | Vellore Institute of Technology, Vellore |

| | | | | |
|----|--------------------|-----------------|--|---|
| 7 | Dr.A.Saravanakumar | 8.3.19 - 9.3.19 | Experimental analysis of plain bearing on seizure testing | Bannari Amman Institute of Technology, Sathyamangalam |
| 8 | L.Rajesh kumar | 23.03.19 | Optimization of AA2219-MoS2 Metal matrix composites under lubricated wear | Kalaignar Karunanidhi Institute of Engg & Tech, Coimbatore |
| 9 | Dr.A.Saravanakumar | 23.03.19 | Tribological behaviour of AA2219-MoS2 Metal matrix composites under lubrication | Kalaignar Karunanidhi Institute of Engg & Tech, Coimbatore |
| 10 | Dr.A.Saravanakumar | 23.03.19 | Multiresponse optimization of process parameters in drilling of sisal/banana reinforced composite | Kalaignar Karunanidhi Institute of Engg & Tech, Coimbatore |
| 11 | Dr.A.Saravanakumar | 23.03.19 | Multiresponse optimization of Aluminium alloy machining using full factorial design of experiments | Kalaignar Karunanidhi Institute of Engg & Tech, Coimbatore |
| 12 | K.Sreeram | 08.03.19 | Service level improvement of an Automotive company in terms of Availability of parts, shipment cost reduction and lead time reduction of supplying parts to the markets. | Bannari Amman Institute of Technology, Sathyamangalam |

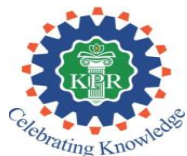


KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE

EXTERNAL PARTICIPATION 2018-2019 INTERNATIONAL CONFERENCE

| S.No | NAME | DATE | TITLE OF THE PAPER |
|------|---------------|-----------------|--|
| 1 | P.Manoj Kumar | 2.8.18 - 3.8.18 | Performance Analysis of Evacuated Tube Solar Water Heater Using Reflectors |
| 2 | P.Manoj Kumar | 8.2.19 | Design and Fabrication of Free Energy Generator Using Concentrated Solar Power (CSP) and a Phase Change Material (PCM) |
| 3 | P.Manoj Kumar | 8.2.19 | Study on Thermal Properties of Nano Enhanced Phase Change Material for Solar Thermal Energy Storage Applications |
| 4 | P.Manoj Kumar | 8.2.19 | Experimental Study on a Demand Based Solar Cloth Drier using a Phase Change Material |
| 5 | P.Manoj Kumar | 15.3.19 | Study on the Effect of a Phase Change Material on the Performance of a Solar Cloth Drier |
| 6 | P.Manoj Kumar | 15.3.19 | Investigations on Thermal Conductivity and Thermal Stability of Nano Enhanced Phase Change Material for Solar Thermal Applications |
| 7 | P.Manoj Kumar | 15.3.19 | Conceptual Modeling of Portable Chip Cleaner for Conventional Machines |

| | | | |
|----|----------------|------------|---|
| 8 | P.Manoj Kumar | 15.3.19 | Conceptual Modeling of Multipurpose Machine for Drilling, Cutting and Grinding Operations |
| 9 | P.Manoj Kumar | 15.3.19 | Effect on Tool Wear and Surface Roughness in Turning Operation Using Bio Cutting Fluids |
| 10 | P.Manoj Kumar | 15.3.19 | Product Standardization of Mobile Shelving System using Value Engineering |
| 11 | P.Manoj Kumar | 23.3.19 | Characterization of Nano Al ₂ O ₃ Enhanced Phase Change Material for Thermal Energy Storage |
| 12 | L.Rajesh kumar | 22.03.19 | Design, Analysis and optimization of steering knuckle for ATV |
| 13 | T.Kannan | 22.03.2019 | Performance Characteristics and Emission Test on Tyre oil and Biodiesel Blended with Diesel |
| 14 | s.sivalingam | 22.03.19 | Design, Analysis and optimization of steering knuckle for ATV |
| 15 | R.Vivekanandan | 22.03.19 | experimental investigation on Turmeric oil blended with diesel and ethanol in four stroke engine |



KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY COIMBATORE

Internal Program - 4th National Conference on Technological Advancements in Materials, Manufacturing and Industrial Engineering.(TAMMIE-2019)

DATE:01/03/2019 & 02/03/2019

| S.No | NAME | TITLE OF THE PAPER |
|------|------------------|--|
| 1 | Rajmohan R | Experimental analysis of convective heat transfer of CuO-water nanofluid |
| 2 | Prabhu L | Experimental and finite element analysis of natural fiber reinforced hybrid epoxy composites |
| 3 | B.Arulmurugana | Investigation on the effect of pulsed frequency on microstructure of copper enriched Ni-Cr-Mo alloy by current pulsing. |
| 4 | B.Arulmurugana | Analysis on microstructural characteristics of C-2000 & C-276 dissimilar weld joints |
| 5 | A.Saravanakumar | Effect of nose radius on surface roughness of Aluminium Alloy machining using full factorial design of experiments |
| 6 | L.Prabhua | Experimental investigation of mechanical, thermal and moisture absorption behaviour of glass/ snake grass/ tea leaf fiber/ epoxy based hybrid composites |
| 7 | Balaji.D | Hybrid 3d printer for making sand molds |
| 8 | Gokul kumar S | Modal and acoustical investigation on banana rice husk flax fibre reinforced hybrid polypropelene composite |
| 9 | P.Boobalakashnan | Fabrication and analysis of multipurpose seed feeding machine |

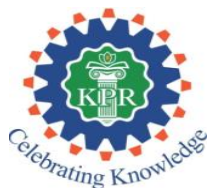
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| 10 | S.Sivalingam | Enhancement of filler rod properties by using natural binders |
| 11 | Vivekanandan.R | Experimental investigation on extraction of biodiesel from turmeric leaves |
| 12 | Bhuvanewari.V | Characterization of AA2219 reinforced with tungsten carbide and graphite by using stir casting method |
| 13 | P.T.Saravanakumar | Design and optimization of thermal storage material for solar air heater |
| 14 | S.Deepan | Identifying and prioritizing the industrial waste in garment industry |
| 15 | L Rajesh kumar | Tribological characteristics of AA2219/MoS ₂ composites |
| 16 | S.Sivalangam | Study of drilling characteristics for nickel based super alloy inconel 690 |
| 17 | SaravanaKumar.A | Experimental analysis of plain bearing on seizure testing |
| 18 | P.Manoj | Design and fabrication of multipurpose machine for drilling, cutting and grinding operations |
| 19 | R.Anandkumar | Product standardization of mobile shelving system using value engineering |
| 20 | P.ManojKumar | Experimental investigations on thermal properties of nano enhanced phase change material for thermal energy storage applications |
| 21 | P.ManojKumar | Design and fabrication of vacuum operated chip cleaner for conventional machines |
| 22 | P.ManojKumar | Study on a solar cloth drier using a phase change material |
| 23 | Kannan.T | Performance characteristics and emission test on plastic fuel combined with aviation oil |
| 24 | S.Sathish | Experimental study on mechanical properties of alkaline treated flax and kenaf fibers reinforced epoxy composites |



KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE

EXTERNAL PARTICIPATION 2018-2019 INTERNSHIP DETAILS

| S.NO | NAME | DURATION | COMPANY NAME | DEPT VISITED |
|------|---------------------|--------------------------|---|--|
| 1 | R.AnandKumar | 10.12.18 to 15.12.18 | BDI India Pvt Ltd | Assembly Depatment |
| 2 | D.Balaji | 10.12.18 to 15.12.18 | BDI India Pvt Ltd | Assembly Depatment |
| 3 | V.Bhuvaneswari | 10.12.18 to 15.12.18 | BDI India Pvt Ltd | Assembly Depatment |
| 4 | S. Sivalingam | 11.12.2018 to 15.01.2018 | AUDI servie centre | Service |
| 5 | P.Sureshkumar | 10.12.18 to 15.12.18 | Mirror Precision Works | Production department |
| 6 | V. Sathyamoorthy | 12.12.18 - 18.12.18 | Santhamani Engineering Industries | Production department |
| 7 | P.Boobalakashnan | 12.12.18 - 18.12.18 | Santhamani Engineering Industries | Production department |
| 8 | P.Manoj Kumar | 10.12.18 to 16.12.18 | MANGLA SMART ENERGY SOLUTIONS PRIVATE LIMITED | Energy |
| 9 | R.Rajmohan | 10.12.2018 to 16.12.2018 | K.P.R Quantum Knits | Production department |
| 10 | S.Deepan | 10.12.2018 to 16.12.2018 | K.P.R Quantum Knits | Production department |
| 11 | P.Boobalakashnan | 17.5.2019 to 24.5.2019 | Mahendra pumps | Assembly Depatment |
| 12 | P.Sureshkumar | 17.5.2019 to 24.5.2019 | Mahendra pumps | Assembly Depatment |
| 13 | S.N.Dinesh | 14.05.2019 to 23.05.2019 | Aarathi air compressors | Production department |
| 14 | S.Gokul Kumar | 14.05.2019 to 23.05.2020 | Aarathi air compressors | Production department |
| 15 | P.Nikhilbabu | 03/06/2019 to 08/06/2019 | KPR Quantum Knits | Garment manufacturing department |
| 16 | Dr. A.Saravanakumar | 06.05.19 to 15.05.19 | Radiant Engineering, Coimbatore | Piping and plumbing part manufacturers |
| 17 | L.Rajesh kumar | 06.05.19 to 15.05.19 | Radiant Engineering, Coimbatore | Piping and plumbing part manufacturers |



KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE

2018-2019 ONLINE COURSE

| SL.NO | NAME | DATE | EVENT | DEPT | TITLE | VENUE |
|-------|----------|-------------|-------------|--------------------------------------|--------------------|--------------------------|
| 1 | BALAJI D | 9-May-2018 | IPR SEMINAR | All department (60 Faculty Memebers) | IPR oveview | IARE_AP_Hydrabad |
| 2 | BALAJI D | 10-Jan-2019 | IPR SEMINAR | All department (100 students) | IIC - IPR Overview | Sri Sakthi College |
| 3 | BALAJI D | 19-Jan-2019 | IPR SEMINAR | B.Com students (60 studetns) | IPR oveview | Vivekandana Arts College |
| 4 | BALAJI D | 9-Feb-2019 | IPR SEMINAR | Common partiicants (150) | IPR oveview | Pioneer Arts College |