

1. Name of the Faculty : **Mrs. MEENAKSHI DEVI PARRE**
2. Department : MECHANICAL ENGINEERING
3. Designation : ASSISTANT PROFESSOR
4. Type of Employment : REGULAR
(Regular/Contract/Guest Faculty/Others)
5. Highest Qualification : M.TECH, IIT, HYDERABAD.

Courses Handled:

| S.No | Academic Year | Branch/Year/Semester/Batch | Name of Course/Laboratory/Project |
|------|---------------|----------------------------|---|
| 1 | 2015-2016 | ME/E4/S2/R10 | Non-Traditional Manufacturing Processes |
| 2 | 2015-2016 | ME/E4/S2/R10 | Main-Project |
| 3 | 2015-2016 | ME/E2/SS/R14 | Skill Development Course |
| 4 | 2015-2016 | ME/E3/SS/R11 | Summer Internship |
| 5 | 2016-2017 | ME/E2/S1/R13 | Manufacturing Processes |
| 6 | 2016-2017 | ME/E4/S1/R11 | Mechanical Systems and Equipment |
| 7 | 2016-2017 | ME/E1/S1/R14 | Engineering Workshop Laboratory |
| 8 | 2016-2017 | ME/E3/S1/R12 | Mini-Project |
| 9 | 2016-2017 | ME/E1/S2/R14 | Kinematics of Machinery |
| 10 | 2016-2017 | ME/E4/S2/R11 | Operations Research |
| 11 | 2016-2017 | ME/E3/S2/R12 | Operations Research |
| 12 | 2016-2017 | ME/E4/S2/R11 | Main-Project |
| 13 | 2016-2017 | ME/E3/SS/R12 | Summer Internship |
| 14 | 2017-2018 | ME/E1/S1/R15 | Engineering Mechanics |
| 15 | 2017-2018 | ME/E1/S1/R15 | Engineering Workshop Laboratory |
| 16 | 2017-2018 | ME/E3/S1/R13 | Operations Research |
| 17 | 2017-2018 | ME/E3/S1/R13 | Mini-Project |
| 18 | 2017-2018 | ME/E2/S2/R14 | Heat Transfer |

| | | | |
|----|-----------|--------------|------------------------------------|
| 19 | 2017-2018 | ME/E2/S2/R14 | Manufacturing Processes Laboratory |
| 20 | 2017-2018 | ME/E4/S2/R12 | Main-Project |
| 21 | 2017-2018 | ME/E2/SS/R14 | Manufacturing Processes Laboratory |
| 22 | 2018-2019 | ME/E3/S1/R14 | Advanced Manufacturing Processes |
| 23 | 2018-2019 | ME/E3/S1/R15 | Engineering Workshop Laboratory |
| 24 | 2018-2019 | ME/E1/S1/R17 | Material Science and Metallurgy |
| 25 | 2018-2019 | ME/E2/S2/R14 | Heat Transfer Laboratory |

Examination and Evaluation Duties:

| Academic Year/Semester | | Scripts evaluated | Question paper setting | Invigilation duties performed | Flying Squad |
|------------------------|-----------------|---|---|-------------------------------|--------------|
| 2015-2016 | Semester II | 1. Non-Traditional Manufacturing [E4S2 Rem] 2. Non-Traditional Manufacturing [E4S2 Grand Rem] 3. Main-project [E4S2] 4. Skill Development Exam [E3S2] 5. Summer Internship [E3SS] | 1. Non-Traditional Manufacturing [E4S2 Rem] 2. Non-Traditional Manufacturing [E4S2 Grand Rem] 3. Main-project [E4S2] 4. Skill Development Exam [E3S2] 5. Summer Internship [E3SS] | | |
| 2016-2017 | Semester I & II | 1. Manufacturing Processes [E2S1] 2. Mechanical Systems and Equipment [E4S1] 3. Manufacturing Processes [E2S1 Rem] 4. Operations Research [E3S2 and E4S2] 5. Kinematics of Machines [E1S2] 6. Manufacturing Processes [E1S2 Rem] 7. Operations Research [E3S2 and E4S2 Rem] 8. Kinematics of | 1. Manufacturing Processes [E2S1] 2. Mechanical Systems and Equipment [E4S1] 3. Manufacturing Processes [E2S1 Rem] 4. Operations Research [E3S2 and E4S2] 5. Kinematics of Machines [E1S2] 6. Manufacturing Processes [E1S2 Rem] 7. Operations Research [E3S2 and E4S2 Rem] 8. Kinematics of | | |

| | | | | | |
|-------------|-----------------|---|---|--|--|
| | | <p>Machines [E1S2 Rem] 9. Non-Traditional Manufacturing [E4S2 Rem] 10. Manufacturing Process [E1S2 Rem] 11. Operations Research [E3S2 and E4S2 Rem]</p> | <p>Machines [E1S2 Rem] 9. Non-Traditional Manufacturing [E4S2 Rem] 10. Manufacturing Processes [E1S2 Rem] 11. Operations Research [E3S2 and E4S2 Rem]</p> | | |
| 2017 - 2018 | Semester I & II | <p>1. Kinematics of Machines [E1S2 Rem] 2. Kinematics of Machines [E1S2 Freshmode] 3. Engineering Mechanics [E1S2 Freshmode] 4. Kinematics of Machines [E1S2 Freshmode] 5. Engineering Mechanics [E1S1] 6. Operations Research [E3S2] 7. Manufacturing Processes [E2S2 Rem] 8. Engineering Mechanics [E1S2 Rem] 9. Heat Transfer [E2S2]</p> | <p>1. Kinematics of Machines [E1S2 Rem] 2. Kinematics of Machines [E1S2 Freshmode] 3. Engineering Mechanics [E1S2 Freshmode] 4. Kinematics of Machines [E1S2 Freshmode] 5. Engineering Mechanics [E1S1] 6. Operations Research [E3S2] 7. Manufacturing Processes [E2S2 Rem] 8. Engineering Mechanics [E1S2 Rem] 9. Heat Transfer [E2S2]</p> | | |
| 2018-2019 | Semester I & II | <p>1. Operations Research [E3S2 Rem] 2. Heat Transfer [E2S2 Rem1] 3. Advanced Manufacturing Processes [E3S1 Freshmode] 4. Advanced Manufacturing Processes [E3S1 Rem] 5. Heat Transfer [E2S2 Freshmode] 6. Hydraulics and Hydarulic Machinery [E2S1 Freshmode] 7. Advanced</p> | <p>1. Heat Transfer [E2S1 Freshmode] 2. Hydraulics and Hydraulic Machines [E2S1 Freshmode] 3. Advanced Manufacturing Processes [E3S1 Freshmode] 4. Advanced Manufacturing Processes [E3S1 Rem] 5. Operations Research [E3S2 Grand Rem] 6. Heat Transfer [E2S2 Grand Rem] 7. Advanced Manufacturing Processes</p> | | Flying Squad AY 18-19 End Semester Examinations |

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|--|--|---|---|--|--|
| | | Manufacturing Processes [E3S1 Rem] 8. Advanced Manufacturing Processes [E3S1] 9. Metal Cutting and Machine Tools [E2S2 Rem] 10. Heat Transfer [E2S2 Rem] 11. Thermal Engineering [E2S2 Rem] 12. Material Science and Metallurgy [E2S2 Rem] 13. Mechanics of Solids [E2S2] 14. Manufacturing Processes [E3S2 Grand Rem] | [E3S1 Rem] 8. Advanced Manufacturing Processes [E3S1] 9. Heat Transfer [E2S2 Rem] 10. Engineering Mechanics [E1S1 Rem] 11. Operations Research [E3S2 RGUKT, Nuzvid] 12. Computer Aided Automation and Manufacturing [E4S2 RGUKT, Nuzvid] 13. Material Science and Metallurgy [E3S2 RGUKT, Nuzvid] | | |
|--|--|---|---|--|--|

Under Graduate Projects Handled:

AY 2016-17:

| S.No | Title of the Project | Number of Students Registered | Present Status |
|------|---|-------------------------------|----------------|
| 1 | Structural Analysis of Front Axle of an 8.5T School Bus For Evaluation of Effects of Kingpin Inclination Angle (Internal Guide)(Long Term Internship at IIT Madras) | 01 | Completed |
| 2 | Investigation of Coating Thickness and Intermetallic Layer Formation In Dependence of Process Parameters During The Hot Dipping of Mild Steel with Aluminum. | 06 | Completed |
| 3 | Investigation into the use of Molybdenite for Super capacitors | 06 | Completed |

AY 2017-18:

| S.No | Title of the Project | Number of Students Registered | Present Status |
|------|---|-------------------------------|----------------|
| 1 | Structural Analysis of Front Axle of an 8.5T School Bus For Evaluation of Effects of Kingpin Inclination Angle (Internal Guide)(Long Term | 01 | Completed |

| | | | |
|---|--|----|-----------|
| | Internship at IIT Madras) | | |
| 2 | Investigation of Coating Thickness and Intermetallic Layer Formation In Dependence of Process Parameters During The Hot Dipping of Mild Steel with Aluminum. | 06 | Completed |
| 3 | Investigation into the use of Molybdenite for Super capacitors | 06 | Completed |

AY 2018-19:

| S.No | Title of the Project | Number of Students Registered | Present Status |
|-------------|---|--------------------------------------|-----------------------|
| 1 | Structural Analysis of Front Axle of an 8.5T School Bus For Evaluation of Effects of Kingpin Inclination Angle (Internal Guide)(Long Term Internship at IIT Madras) | 01 | Completed |
| 2 | Investigation of Coating Thickness and Intermetallic Layer Formation In Dependence of Process Parameters During The Hot Dipping of Mild Steel with Aluminum. | 06 | Completed |
| 3 | Investigation into the use of Molybdenite for Super capacitors | 06 | Completed |

AY 2019-20:

| S.No | Title of the Project | Number of Students Registered | Present Status |
|-------------|---|--------------------------------------|------------------------|
| 1 | Development of walking algorithms for 12 DOF Biped Robot | 04 | Successfully Completed |
| 2 | Design, Modeling and Development of Humanoid Robot- Prototype for Biped and Torso | 04 | Successfully Completed |
| 3 | Investigation into the application of walking and gait design of a Humanoid Robot | 06 | Successfully Completed |
| 4 | Design and Fabrication of 3D Printed Humanoid Robot | 04 | Successfully completed |

| | | | |
|---|--|----|---------|
| 5 | Experimental Investigation into gait pattern of Humanoid Robot | 05 | Ongoing |
|---|--|----|---------|

AY 2020-21:

| S.No | Title of the Project | Number of Students Registered | Present Status |
|------|----------------------|-------------------------------|----------------|
| 1 | | | |

Mini Projects Handled:

AY 2018-19:

| S.No | Title of the Project | Number of Students Registered | Present Status |
|------|---|-------------------------------|----------------|
| 1 | Theo Jansen Mechanism | 03 | Completed |
| 2 | Metal Detecting Robot | 06 | Completed |
| 3 | Review of Non-Traditional Manufacturing Processes | 09 | Completed |

AY 2019-20:

| S.No | Title of the Project | Number of Students Registered | Present Status |
|------|---|-------------------------------|----------------|
| 1 | Experimental investigation into the theory of Acoustic Levitation | 10 | Ongoing |

AY 2020-21:

| S.No | Title of the Project | Number of Students Registered | Present Status |
|------|----------------------|-------------------------------|----------------|
| 1 | | | |

Involvement in Administrative Duties/Roles:

AY 2016-2017:

| S.No | Designation/Title of Administrative Role | Institute/Department Level | Nature of Duty | Period | | Additional Remuneration (If any) | Remarks |
|------|---|---------------------------------------|---|----------|-----------|----------------------------------|-----------|
| | | | | From | To | | |
| 1 | Coordinator, Skill Development Center | Institute | Establishment , Coordination of SDC and Liason between APSSDC and Institute | 22-04-16 | 22-04-19 | Nil | Completed |
| 2 | Coordinator, Pradhan MantriKaushalVikasYojana | National Skills Development Institute | Coordination of PMKVY | 22-04-16 | 22-04-19 | Nil | Completed |
| 3 | Co-Convener, Faculty Council | Institute | Administration of Faculty Council | 15-03-18 | Till date | Nil | In-Term |
| 4 | NSS Programme Officer | Institute | Community service at University and Nearby villages/towns | 23-06-16 | 31-12-19 | INR 400/month | Completed |

AY 2017-2018:

| S.No | Designation/Title of Administrative Role | Institute/Department Level | Nature of Duty | Period | | Additional Remuneration (If any) | Remarks |
|------|--|----------------------------|---|------------|-----------|----------------------------------|-----------|
| | | | | From | To | | |
| 1 | Coordinator, Skill Development Center | Institute | Establishment , Coordination of SDC and Liason between APSSDC and Institute | 22-04-16 | 22-04-19 | Nil | Completed |
| 2 | ME Department Placement Coordinator | Institute | Placement Coordination for ME Department | 17-11-2017 | Till date | Nil | In-term |
| 3 | Co-Convener, Faculty Council | Institute | Administration of Faculty Council | 15-03-18 | Till date | Nil | In-term |
| 4 | NSS Programme Officer | Institute | Community service at | 23-06- | 31-12- | INR 400/month | Completed |

| | | | | | | | |
|---|--|---|---|----------|----------|-----------|-----------|
| | | | University and Nearby villages/towns | 16 | 19 | | |
| 5 | Coordinator, Pradhan MantriKaushalVikasYojana | Institute/National Skills Development Institute | Coordination of PMKVY | 22-04-16 | 22-04-19 | Nil | Completed |
| 6 | Head of the Department, Mechanical Engineering | Department | Academics and Research Excellence of Dept of ME | 01-08-17 | 01-08-18 | INR 500/- | Completed |

AY 2018-2019:

| S.No | Designation/Title of Administrative Role | Institute/Department Level | Nature of Duty | Period | | Additional Remuneration (If any) | Remarks |
|------|--|----------------------------|--|------------|-----------|----------------------------------|-----------|
| | | | | From | To | | |
| 1 | Dean, Students' Welfare | Institute | Welfare of Students | 05-09-18 | Till date | INR 3,000/- | In-term |
| 2 | Coordinator, Skill Development Center | Institute | Establishment and Organization of Skill Development Center | 18-04-16 | 02-05-19 | Nil | Completed |
| 3 | ME Department Placement Coordinator | Institute | Placement Coordination for ME Department | 17-11-2017 | Till date | Nil | In-term |
| 4 | Co-Convener, Faculty Council | Institute | Administration of Faculty Council | 15-03-18 | Till date | Nil | In-term |
| 5 | NSS Programme Officer | Institute | Community service at University and Nearby villages/towns | 23-06-16 | Till date | Nil | In-term |
| 6 | Head of the | Department | Administration | 01-08- | 31- | 500 | Completed |

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|--|------------|--|--|----|-----------|--|--|
| | Department | | n of Department of Mechanical Engineering | 17 | 07- 18 | | |
|--|------------|--|--|----|-----------|--|--|

AY 2019-2020:

| S.No | Designation/Title of Administrative Role | Institute/Department Level | Nature of Duty | Period | | Additional Remuneration (If any) | Remarks |
|------|---|---|--|------------|-----------|----------------------------------|-----------|
| | | | | From | To | | |
| 1 | Dean, Students' Welfare | Institute | Welfare of Students | 05-09-18 | Till date | INR 3,000/- | In-term |
| 2 | ME Department Placement Coordinator | Institute | Placement Coordination for ME Department | 17-11-2017 | Till date | Nil | In-term |
| 3 | Co-Convener, Faculty Council | Institute | Administration of Faculty Council | 15-03-18 | Till date | Nil | In-term |
| 4 | NSS Programme Officer | Institute | Community service at University and Nearby villages/towns | 23-06-16 | 31-12-20 | INR 400/month | Completed |
| 5 | Coordinator, Skill Development Center | Institute | Establishment, Coordination of SDC and Liason between APSSDC and Institute | 22-04-16 | 22-04-19 | Nil | Completed |
| 6 | Coordinator, Pradhan MantriKaushalVikasYojana | Institute/National Skills Development Institute | Coordination of PMKVY | 22-04-16 | 22-04-19 | Nil | Completed |

AY 2020-2021:

| S.No | Designation/Title of Administrative Role | Institute/Department Level | Nature of Duty | Period | | Additional Remuneration (If any) | Remarks |
|------|--|----------------------------|---------------------|--------|-----------|----------------------------------|---------|
| | | | | From | To | | |
| 1 | Dean, Students' Welfare | Institute | Welfare of Students | 05-09- | Till date | INR 3,000/- | In-term |

| | | | | | | | |
|---|---|-----------|---|--------------------|--------------|-----|---------|
| | | | | 18 | | | |
| 2 | ME Department Placement Coordinator | Institute | Placement Coordination for ME Department | 17- 11- 2017 | Till date | Nil | In-term |
| 3 | Co-Convener, Faculty Council | Institute | Administration of Faculty Council | 15- 03- 18 | Till date | Nil | In-term |

Research Publications (Journals/Conferences/Books/Monogram):

AY 2016-2017:

| S. No | Title of the Paper/Book/Monogram | Name of the Journal/Conference | Date(s) | Location |
|-------|---|--------------------------------|-------------------|----------------|
| 1 | Design and development of Magnetic Engine Valve Operation Mechanism | SETS&CC | 28-07-16&29-07-16 | IIT, Tirupathi |
| 2 | Novel design of Solar panels for improved thermal energy efficiency | SETS&CC | 28-07-16&29-07-16 | IIT, Tirupathi |
| 3 | Conceptual design for utilization of Geo-Thermal energy | SETS&CC | 28-07-16&29-07-16 | IIT, Tirupathi |
| 4 | Design and fabrication of Rescue-bot | SETS&CC | 28-07-16&29-07-16 | IIT, Tirupathi |
| 5 | Green energy mobile charger for smart cities | SETS&CC | 28-07-16&29-07-16 | IIT, Tirupathi |

AY 2017-2018:

| S. No | Title of the Paper/Book/Monogram | Name of the Journal/Conference | Date(s) | Location |
|-------|---|--------------------------------|-------------------|----------------|
| 1 | Design and development of Magnetic Engine Valve Operation Mechanism | SETS&CC | 28-07-16&29-07-16 | IIT, Tirupathi |
| 2 | Novel design of Solar panels for improved thermal energy efficiency | SETS&CC | 28-07-16&29-07-16 | IIT, Tirupathi |
| 3 | Conceptual design for utilization of Geo-Thermal energy | SETS&CC | 28-07-16&29-07-16 | IIT, Tirupathi |

| | | | | |
|---|--|---------|-------------------|----------------|
| 4 | Design and fabrication of Rescue-bot | SETS&CC | 28-07-16&29-07-16 | IIT, Tirupathi |
| 5 | Green energy mobile charger for smart cities | SETS&CC | 28-07-16&29-07-16 | IIT, Tirupathi |

AY 2018-19:

| S.No | Title of the Paper/Book/Monogram | Name of the Journal/Conference | ISSN/ISBN Number | Volume/issue/page nos. | Impact Factor (If any) |
|------|--|---|----------------------------|---------------------------------|------------------------|
| 1 | Moodle-Enabled Blended Teaching at RGUKT- Empowering and Enabling the Rural Youth of Andhra Pradesh | MOODLE MOOT 2018, Hyderabad Central University, Hyderabad | | | |
| 2 | Computational Investigation of Heat Transfer and Fluid Flow in Twin-Wire Arc Welding | ICETME – 2018 (Accepted and Published)(Proceedings are published in LNME, Springer) | LNME- Springer publication | | |
| 3 | Computational Studies on the Heat Transfer behavior During the Friction Stir Welding of Aluminum Alloy | IAETSD | 2394-8442 | Volume 5, Issue 1/ January 2018 | 5.8 |
| 4 | Computational studies of Heat Transfer behavior during welding | ICRTES, NSTL, Visakhapatnam | | 20 th February, 2018 | |

AY 2019-20:

| S.No | Title of the Paper/Book/Monogram | Name of the Journal/Conference | ISSN/ISBN Number Publisher and Indexing | Volume/issue/page nos. | Impact Factor or ISBN No or ISSN No (If any) |
|------|--|---|--|----------------------------|--|
| 1 | Computational Investigation of Heat Transfer and Fluid Flow in Twin-Wire Arc Welding | ICETME – 2018 (Accepted and Published)(Proceedings are published in LNME, Springer) | LNME- Springer publication SPRINGE | Volume 130/Page 12 DOI: | ISBN 978-981-329-931-3 |

| | | | | | |
|---|---|---|---|---|--|
| | | | R https://www.springer.com/in/book/9789813299306 | 10.1007/978-981-32-9931-3 | |
| 2 | Thermal Investigation of Blood Perfusion in Non-Malignant Tumour in Human Knee | International Journal of Research and Analytical Reviews(IJRAR) | | Volume 6, Issue 2, Pages 704 to 709 | 3.215 |
| 3 | Adaptive Robotic Neuro-Rehabilitation Haptic Device for Motor and Sensory Dysfunction Patients | IJMPERD (International Journal of Mechanical and Production Engineering Research and Development) | Trans Stellar. SCOPUS Indexed Journal | Volume 9, Issue 6, Pages 131 to 138 Crossref Indexed (DOI) | ISSN(P) : 2249-6890; ISSN(E) : 2249-8001 Impact factor: 8.8746 NAAS Rating: 3.11 IBI Factor: 3.2 |
| 4 | A Scientific Approach Towards the Development and Implementation of MOODLE Based Technology Enabled Learning at RGUKT | iMOODLEMOOT 2020 (International Conference organized online due to COVID-19 Pandemic) | MOODLE Inc. | Online iMOODLE MOOT is conducted on 18-04-2020 | Online iMOODLE MOOT is conducted on 18-04-2020 |

AY 2020-21:

| S.No | Title of the Paper/Book/Monogram | Name of the Journal/Conference | ISSN/ISBN Number Publisher and Indexing | Volume/issue/page nos. | Impact Factor or ISBN No or ISSN No (If any) |
|------|----------------------------------|--------------------------------|---|------------------------|--|
| 1 | | | | | |

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| 3 | | | | | |
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Research Projects:

AY 2018-19:

| S.No | Title of the Project | Duration of the Project | Funding Agency | Grant Amount (Rs) |
|------|------------------------------|-------------------------|--|-------------------|
| 1 | Railway Track Cleaning Robot | NA | Govt. of Andhra Pradesh in Gnanabheri 2019 | INR 1.5 Lakhs |

AY 2019-20:

| S.No | Title of the Project | Duration of the Project | Funding Agency | Grant Amount (Rs) |
|------|---|-------------------------|-----------------|-------------------|
| 1 | Advanced Artificial Intelligent Automobiles | 3 Years | AMZ Automotives | Under process |

AY 2020-21:

| S.No | Title of the Project | Duration of the Project | Funding Agency | Grant Amount (Rs) |
|------|----------------------|-------------------------|----------------|-------------------|
| 1 | | | | |

Consultancy Works Handled:

AY 2018-19:

| S.No | Name of the Program | Period | | Total Duration | Role/Responsibility | No. of participants registered | Remarks |
|------|-------------------------------------|----------|----------|----------------|---|--------------------------------|-----------|
| | | From | To | | | | |
| 1 | All Terrain Vehicle Design Workshop | 27-03-19 | 29-03-19 | 2 Days | ME Department Coordinator, ABHIYANTH 19 | 120 | Completed |

AY 2019-20:

| S.No | Name of Work | Duration of work | Funding Agency | Amount (Rs) |
|------|---------------------------------|------------------|----------------|---|
| 1 | Educational Consultancy Project | 1 Year | ITI Nuzvid | Non-funded– Voluntary service in Educational Sector |

AY 2020-21:

| S.No | Name of Work | Duration of work | Funding Agency | Amount (Rs) |
|------|--------------|------------------|----------------|-------------|
| 1 | | | | |

**Training Programs/Faculty Development Programs/Orientation Programs/Refresher Courses(Organized):
Skill Development**

AY 2016-17:

| S. No | Title of the program | Role | Nature of the program | Date |
|-------|--|----------|---|----------|
| 1 | Recent trends in Digital Manufacturing | Convener | Faculty and Students Improvement Programme | 27-12-16 |

AY 2018-19:

| S.No | Name of the Program | Period | | Total Duration | Role/Responsibility | No. of participants registered | Remarks |
|------|---------------------|--------|----|----------------|---------------------|--------------------------------|---------|
| | | From | To | | | | |
| 1 | | | | | | | |

AY 2019-20:

| S.No | Name of the Program | Period | | Total Duration | Role/Responsibility | No. of participants registered | Remarks |
|------|-------------------------------------|----------|----------|----------------|---------------------|--------------------------------|------------------------|
| | | From | To | | | | |
| 1 | All-Terrain Vehicle Design Workshop | 11-06-19 | 30-06-19 | 21 Days | Faculty Coordinator | 30 | Successfully Completed |

AY 2020-21:

| S.No | Name of the Program | Period | | Total Duration | Role/Responsibility | No. of participants registered | Remarks |
|------|---------------------|--------|----|----------------|---------------------|--------------------------------|---------|
| | | From | To | | | | |
| 1 | | | | | | | |

Training Programs/Faculty Development Programs/Orientation Programs/Refresher Courses (Attended):

AY 2016-17:

| S. No | Title of the Programme | Nature of the program | Date(s) | Location |
|-------|--|--|---|------------------------------------|
| 1 | APSSDC-Siemens COE/t-SDI Establishment- | Workshop | 18 th April, 2016 | APSSDC Head Quarters, Hyderabad |
| 2 | International Conference on Sustainable Energy Technologies for Smart and Clean Cities | International Conference | 27 th -29 th July, 2016 | IIT Tirupati/ Amara Raja Batteries |
| 3 | Session Chair at National Level Technical Symposium YANTRA-2K16 | National Level Technical Symposium | 08 th and 09 th October, 2016 | JNTU, Pulivendula |
| 4 | Composite Materials: Characterization and its applications | International Conference under TEQIP | 19-10-16 & 20-10-16 | JNTU, Pulivendula |
| 5 | AUTODESK-Nastran-In CAD | Faculty Improvement Programme, APSSDC | 28-11-16 to 03-12-16 | APSSDC-tSDI |
| 6 | Information Security Management | Two Day Residential Training Programme | 09-12-16 to 10-12-16 | APHRDI, Bapatla |
| 7 | Introduction to Technology Enabled Learning course | MOOC, Common Wealth of Learning | 9 th January – 10 th February, 2017 | Online |
| 8 | Understanding Open Educational Resources using Technology -Enabled Learning Lounge | Common Wealth of Learning, Canada | 25 th May, 2017 | Online |

AY 2017-2018:

| S.No | Name of the | Period | Total | Organized by | Location/Venue | Remarks |
|------|-------------|--------|-------|--------------|----------------|---------|
|------|-------------|--------|-------|--------------|----------------|---------|

| | Program | From | To | Duration | | | |
|---|--|------------|------------|------------|---|--|------------------------|
| 1 | Workshop on Developing Blended Learning Courses using Moodle | 05-06-17 | 07-06-17 | Three days | Common Wealth of Learning - RGUKT | RGUKT, Nuzvid | Successfully completed |
| 2 | APSCHE-British Council | 23-07-17 | 24-07-17 | Two days | RGUKT, RK Valley | RGUKT, RK Valley | Successfully completed |
| 3 | Session Chair at National Level Technical Symposium YANTRA-2K17 | 08-10-17 | 09-10-17 | Two Days | JNTU, Pulivendula | JNTU, Pulivendula | Successfully completed |
| 4 | TEL Implementation of course development workshop using Moodle | 14-11-17 | 19-11-17 | One Week | Common Wealth of Learning - RGUKT | RGUKT, Nuzvid | Successfully Completed |
| 5 | International Conference on Recent Trends in Engineering & Sciences (Accepted) | 20-02-2018 | 20-02-2018 | One Day | Naval Science and Technological Laboratory, Visakhapatnam | Naval Science and Technological Laboratory, Visakhapatnam | Successfully completed |
| 6 | NSS Programme Officers Training | 12-03-2018 | 19-03-2018 | One Week | Professional Training | Acharya Nagarjuna University, Guntur, Organized by NSS Cell, AU, Visakhapatnam | Successfully completed |
| 7 | Technology Enabled Learning Implementation-Policy Development Workshop | 15-03-2018 | 16-03-2018 | Two days | Workshop | RGUKT, RK Valley | Successfully completed |

AY 2018-19:

| S.No | Name of the Program | Period | | Total Duration | Organized by | Location/Venue | Remarks |
|------|---|----------|----------|----------------|---------------------------|------------------------------------|-----------------|
| | | From | To | | | | |
| 1 | Orientation Programme | 06-08-18 | 02-09-18 | 4 weeks | UGC-HRDC, SVU, Tirupati | 30 | Completed |
| 2 | Foundation Program in ICT for Education – Autum 2018 (FDP | 13-09-18 | 27-10-18 | 8 Weeks | IIT, Bombay and PMMMMNTT- | A-View Session at RGUKT, RK Valley | Secured 96% and |

| | | | | | | | |
|---|---|----------|----------|----------|----------------------------------|--|---------------------------|
| | 101x) | | | | EduMOOC | and Online Mode | Completed |
| 3 | Refresher Course | 24-09-18 | 13-10-18 | 3 weeks | UGC-HRDC, SVU, Tirupati | 42 | Completed |
| 4 | Pedagogy for Online and Blended Teaching Learning Process (FDP 201x) | 30-10-18 | 07-01-19 | 16 Weeks | IIT, Bombay and PMMMNMTT-EduMOOC | A-View Session at RGUKT, RK Valley and Online Mode | Secured 99% and Completed |
| 5 | Instructional Design and Delivery Systems (FDP) | 02-01-19 | 07-01-19 | 6 Days | NITTTR, Chennai | RGUKT, RK Valley | Completed |
| 6 | DassaultSystemes - 3 Days Aerospace Workshop on Current Trends In Aerospace | 04-02-19 | 06-02-19 | 3 Days | APSSDC, AP | ANU, Guntur | Completed |
| 7 | Research and Development- DassaultSystemes | 18-03-19 | 19-03-19 | 2 Days | APSSDC, AP | DassaultSystemes, R&D, Pune | Completed |

AY 2019-20:

| S.No | Name of the Program | Period | | Total Duration | Organized by | Location/Venue | Program | Remarks |
|------|--|-----------------------------|---------------------------|----------------|------------------------------------|-------------------|---------------|---|
| | | From | To | | | | | |
| 1 | Current Trends in Aerospace | 04-02-19 | 06-02-19 | 3 Days | APSSDC, AP | ANU, Guntur | FDP | Successfully Completed |
| 2 | LaTeX for Students, Engineers and Scientists [LaTeX101x] | 24 th Sept, 2019 | 2 nd Dec, 2019 | 16 Weeks | IIT, Bombay | IIT, Bombay | Online Course | Successfully completed with Honour Code Certificate |
| 3 | 3D Printing and Design | 25-11-19 | 29-11-19 | One Week | AICTE Training and Learning (ATAL) | JNTU, Pulivendula | FDP | Successfully Completed |

| | | | | | | | | |
|----|--|------------|------------|----------|-----------------------------|---------------------|-----------------------------------|------------------------|
| | | | | | Academy | | | |
| 4 | How to secure funding – ECR Edition | 12-12-2019 | 12-12-2019 | One Day | Elsevier Researcher Academy | Online | Researcher Module | Successfully Completed |
| 5 | Guide to reference managers: How to effectively manage your references | 12-12-2019 | 12-12-2019 | One Day | Elsevier Researcher Academy | Online | Researcher Module | Successfully Completed |
| 6 | How to manage and publish your research data | 12-12-2019 | 12-12-2019 | One Day | Elsevier Researcher Academy | Online | Researcher Module | Successfully Completed |
| 7 | How to Conduct Evidence-Based Research | 13-12-2019 | 13-12-2019 | One Day | Elsevier Researcher Academy | Online | Researcher Module | Successfully Completed |
| 8 | Funding Hacks for Researchers | 13-12-2019 | 13-12-2019 | One Day | Elsevier Researcher Academy | Online | Researcher Module | Successfully Completed |
| 9 | Air Delivery Systems and Indoor Environment Quality | 02-03-20 | 07-03-20 | One Week | IIT, Madras | IIT, Madras | QIP-STTP | Successfully Completed |
| 10 | Effective and Efficient Online Teaching in the Age of Corona – A Hands-On Workshop | May 2020 | May 2020 | 4 Weeks | IIT Bombay - NMEICT | IIT Bombay - NMEICT | Online Course – Hands on Workshop | Successfully Completed |

AY 2020-21:

| S.N | Name of the | Period | Total | Organized by | Location/Ven | Program | Remarks |
|-----|-------------|--------|-------|--------------|--------------|---------|---------|
|-----|-------------|--------|-------|--------------|--------------|---------|---------|

| o | Program | From | To | Duration | | ue | | |
|---|--|------------|------------|----------|---|------------|-----------------------------|------------------------|
| 1 | Moodle Learning Management System | 10-06-20 | 15-06-20 | One Week | JNTUH cum Spoken Tutorial Project, IIT Bombay cum PMMMMNMTT | Online FDP | Faculty Development Program | Successfully Completed |
| 2 | Open Science and the reward system:How can they be aligned? | 02-07-2020 | 02-07-2020 | One Day | Elsevier SSRN Researcher Connect | Online | Webinar | Successfully Completed |
| 3 | How researchers store, share and use data | 03-07-2020 | 03-07-2020 | One Day | Elsevier Researcher Academy | Online | Researcher Module | Successfully Completed |
| 4 | Creating a good research data management plan | 03-07-2020 | 03-07-2020 | One Day | Elsevier Researcher Academy | Online | Researcher Module | Successfully Completed |
| 5 | Discover how metrics can boost funding and networking opportunities | 04-07-2020 | 04-07-2020 | One Day | Elsevier Researcher Academy | Online | Researcher Module | Successfully Completed |
| 6 | One week Pedagogical Training for Teachers on Tools for Online Teaching Learning and | 01-07-20 | 06-07-20 | One Week | Swami RamanandTeerthMarathwada University, Nanded | Online | Pedagogical Training/FDP | Successfully Completed |

| | | | | | | | | |
|----|---|------------|------------|-----------|--|--------|-------------------------------|------------------------|
| | Evaluation | | | | | | | |
| 7 | Successful research grant applications – getting it right | 11-07-2020 | 11-07-2020 | One Day | Elsevier Researcher Academy | Online | Researcher Module | Successfully Completed |
| 8 | Advanced Concepts for Developing MOOCs | 02-07-2020 | 17-07-2020 | Two weeks | University of Delhi – Govt. of India-Ministry of Human Resources and Development | Online | Faculty Development Programme | Successfully Completed |
| 9 | Mechanical Vibration, Rotordynamics and Signal Processing | 13-07-2020 | 17-07-2020 | One Week | Darbhanga College of Engineering, Darbhanga | Online | Faculty Development Programme | Successfully Completed |
| 10 | Open Science and the reward system:How can they be aligned? | 02-07-2020 | 02-07-2020 | One Day | Elsevier SSRN Researcher Connect | Online | Webinar | Successfully Completed |
| 11 | | | | | | | | |

Invited Lectures/External Examiner/External Question Paper Setter/Lab External Examiner:

AY 2016-2017:

| S.No | Title of the Lecture/ External Examiner/External Question Paper Setter/Lab External Examiner | College/Organization Where lecture is Delivered | Date & Duration | Remarks |
|------|--|---|-----------------|---------|
| 1 | | | | |

AY 2017-2018:

| S.No | Title of the Lecture/ External Examiner/External Question Paper Setter/Lab External Examiner | College/Organization Where lecture is Delivered | Date & Duration | Remarks |
|------|--|---|-----------------|---------|
| | | | | |

| | | | | |
|---|-------------------------------------|--|----------------------|------------------------|
| | Setter/Lab External Examiner | Delivered | | |
| 1 | Hybrid Vehicles | National Institute of Technology, Warangal | 02-11-19 to 03-11-19 | Successfully Completed |

AY 2018-2019:

| S.No | Title of the Lecture/ External Examiner/External Question Paper Setter/Lab External Examiner | College/Organization Where lecture is Delivered | Date & Duration | Remarks |
|------|--|---|----------------------|------------------------|
| 1 | Hybrid Vehicles | National Institute of Technology, Warangal | 02-11-19 to 03-11-19 | Successfully Completed |

AY 2019-2020:

| S.No | Title of the Lecture/ External Examiner/External Question Paper Setter/Lab External Examiner | College/Organization Where lecture is Delivered | Date & Duration | Remarks |
|------|--|---|----------------------|------------------------|
| 1 | Invited Lecture on Hybrid Vehicles | National Institute of Technology, Warangal | 02-11-19 to 03-11-19 | Successfully Completed |

AY 2020-21:

| S.No | Title of the Lecture/ External Examiner/External Question Paper Setter/Lab External Examiner | College/Organization Where lecture is Delivered | Date & Duration | Remarks |
|------|--|---|-----------------|---------|
| 1 | | | | |

Development of E-Learning material Developed:

AY 2017-18:

| S.No | Title of e-learning material developed | Published/Hosted in | Useful to Whom | Remarks |
|------|--|---------------------|---------------------------------|-----------|
| 1 | Heat Transfer [AY-17-18 Semester-II] | RGUKT MOODLE | Mechanical Engineering Learners | Completed |

AY 2018-19:

| S.No | Title of e-learning material developed | Published/Hosted in | Useful to Whom | Remarks |
|------|--|---------------------|---------------------------------|-------------------|
| 1 | Advanced Manufacturing Processes [AY-18-19 Semester-I] | RGUKT MOODLE | Mechanical Engineering Learners | Under Development |
| 2 | Metallurgy and Material Science [AY 18-19 Semester-II] | RGUKT MOODLE | Mechanical Engineering Learners | Under Development |

AY 2019-20:

| S.No | Title of e-learning material developed | Published/Hosted in | Useful to Whom | Remarks |
|------|--|---|------------------------|-----------|
| 1 | Verbal Ability | Youtube Channel: Er.Meenakshi Devi Parre | Learners of all ranges | Published |

AY 2020-21:

| S.No | Title of e-learning material developed | Published/Hosted in | Useful to Whom | Remarks |
|------|--|---------------------|----------------|---------|
| 1 | | | | |
| 2 | | | | |

Awards and Recognitions:

AY 2018-2019:

| S.No | Name of the Award/ Recognition | Given by | Month & Year |
|------|---|--------------------------------|--|
| 1 | Best Innovation Project for Entrepreneurship | UGC-HRDC, SVU, Tirupati | During Refresher Course in October, 2018 |
| 2 | Best Project Award for Railway Track Cleaning Robot at Jnanabheri | Chief Minister, AP State Govt. | 04 th , December, 2018 |

AY 2020-2021:

| S.No. | Description | Provide details |
|-------|--------------------------------------|---------------------------|
| 1 | Certificate of Excellence on Funding | Elsevier Research Academy |

Extra-Curricular/Co-Curricular Activities:

AY 2016-2017:

| S. No | Name of the Lab Established | Role | Organization | Location |
|-------|-----------------------------|------------------|---------------------|-----------|
| 1 | Auto-Two-Wheeler | Coordinator, SDC | APSSDC-Siemens-tSDI | ME Dept. |
| 2 | Auto-Four-Wheeler | Coordinator, SDC | APSSDC-Siemens-tSDI | ME Dept. |
| 3 | CBT(CAD/CAM) | Coordinator, SDC | APSSDC-Siemens-tSDI | ME Dept. |
| 4 | Electronics-Home | Coordinator, SDC | APSSDC-Siemens-tSDI | ECE Dept. |
| 5 | Electronics-Office | Coordinator, SDC | APSSDC-Siemens-tSDI | ECE Dept. |
| 6 | Electrical-Home | Coordinator, SDC | APSSDC-Siemens-tSDI | ECE Dept. |
| 7 | Electrical-Office | Coordinator, SDC | APSSDC-Siemens-tSDI | ECE Dept. |

| S. No | Name of the Project | Role | Purpose | Location |
|-------|--|---------------|----------------|------------------|
| 1 | Design and Development of Multi-DOF Robotic Arm | Project Guide | II-Convocation | RGUKT, RK Valley |
| 2 | Development of LCD Display with Arduino UNO | Project Guide | II-Convocation | RGUKT, RK Valley |
| 3 | Development of Mobile Operated Surveillance Robot | Project Guide | II-Convocation | RGUKT, RK Valley |
| 4 | Design and Development of Accident Prevention Robot | Project Guide | II-Convocation | RGUKT, RK Valley |
| 5 | Design and Development of e-Temperature Sensors | Project Guide | II-Convocation | RGUKT, RK Valley |
| 6 | Design and Development of DTMF (Cell Phone) Controlled Robot | Project Guide | II-Convocation | RGUKT, RK Valley |
| 7 | Design and Development of Industrial Material Handling Robot | Project Guide | II-Convocation | RGUKT, RK Valley |
| 8 | Design and development of Maze solver | Project | II-Convocation | RGUKT, RK Valley |

| | | | | |
|--|-----------------------------------|-------|--|--|
| | robot(Automated navigation Robot) | Guide | | |
|--|-----------------------------------|-------|--|--|

| S. No | Name of the NSS Activity | Role | Location |
|-------|--|------------------------|---------------------------------------|
| 1 | Regular NSS Activities and Special camp at Adopted village | Programme Officer, NSS | RGUKT, RK Valley and Nelavaramthaanda |

| S.No. | Description | Provide details |
|-------|---|---|
| 1 | Development of Innovative pedagogy | Innovative pedagogical techniques are being implemented during Technology-Enabled Learning based classroom instruction. |
| 2 | Design of new courses and curricula | New courses and e-Learning material [videos and presentations] are made available |
| 3 | Remedial teaching / student counseling (academic) | Students are being counselled for behavioral issues and for motivation. |
| 4 | Task Force for the 2 nd Convocation RGUKT, RK Valley | Crowd control at Convocation venue and Catering locations |

AY 2017-18:

| S. No | Name of the Lab Established | Role | Organization | Location |
|-------|-----------------------------|------------------|---------------------|-----------|
| 1 | Auto-Two-Wheeler | Coordinator, SDC | APSSDC-Siemens-tSDI | ME Dept. |
| 2 | Auto-Four-Wheeler | Coordinator, SDC | APSSDC-Siemens-tSDI | ME Dept. |
| 3 | CBT(CAD/CAM) | Coordinator, SDC | APSSDC-Siemens-tSDI | ME Dept. |
| 4 | Electronics-Home | Coordinator, SDC | APSSDC-Siemens-tSDI | ECE Dept. |
| 5 | Electronics-Office | Coordinator, SDC | APSSDC-Siemens-tSDI | ECE Dept. |
| 6 | Electrical-Home | Coordinator, SDC | APSSDC-Siemens-tSDI | ECE Dept. |
| 7 | Electrical-Office | Coordinator, SDC | APSSDC-Siemens-tSDI | ECE Dept. |

| S. No | Name of the Project | Role | Purpose | Location |
|-------|---------------------------------------|---------------|-----------------|------------------|
| 1 | Advanced Aeromodelling | Project Guide | III-Convocation | RGUKT, RK Valley |
| 2 | Design and Development of Smart Wheel | Project | III-Convocation | RGUKT, RK Valley |

| | | | | |
|----|--|---------------|-----------------|------------------|
| | Chair | Guide | | |
| 3 | Design and Fabrication of Manual Weed Cutter | Project Guide | III-Convocation | RGUKT, RK Valley |
| 4 | Acoustic Levitation | Project Guide | III-Convocation | RGUKT, RK Valley |
| 5 | Electromagnetic Accelerator Gun Sub Assembly - I | Project Guide | III-Convocation | RGUKT, RK Valley |
| 6 | Electromagnetic Accelerator Gun Sub Assembly -II | Project Guide | III-Convocation | RGUKT, RK Valley |
| 7 | Railway Track Cleaning Robot | Project Guide | III-Convocation | RGUKT, RK Valley |
| 8 | Contraptions - I | Project Guide | III-Convocation | RGUKT, RK Valley |
| 9 | Contraptions – II | Project Guide | III-Convocation | RGUKT, RK Valley |
| 10 | Contraptions – III | Project Guide | III-Convocation | RGUKT, RK Valley |
| 11 | Contraptions – IV | Project Guide | III-Convocation | RGUKT, RK Valley |
| 12 | Contraptions – V | Project Guide | III-Convocation | RGUKT, RK Valley |
| 13 | Contraptions - VI | Project Guide | III-Convocation | RGUKT, RK Valley |
| 14 | Contraptions - VII | Project Guide | III-Convocation | RGUKT, RK Valley |
| 15 | Contraptions - VIII | Project Guide | III-Convocation | RGUKT, RK Valley |
| 16 | Contraptions - IX | Project Guide | III-Convocation | RGUKT, RK Valley |

| S. No | Name of the NSS Activity | Role | Location |
|-------|---|------------------------|---------------------------------------|
| 1 | Regular NSS Activites and Special camp at Adopted village | Programme Officer, NSS | RGUKT, RK Valley and Nelavaramthaanda |

| S.No. | Description | Provide details |
|-------|---|--|
| 1 | Development of Innovative pedagogy | Innovative pedagogical techniques are being implemented during Technology-Enabled Learning bases classroom instruction. |
| 2 | Design of new courses and curricula | New courses and e-Learning material [videos and presentations] are made available |
| 3 | Remedial teaching / student counseling (academic) | Students are being counselled for behavioral issues and for motivation. |
| 4 | Task Force for the 3 rd Convocation RGUKT, RK Valley | Technical Committee and Convocation Technical Exhibits Committee By protocol participated in Academic Procession and awarded the degrees to students as HOD, ME |

AY 2018-19:

| S.No | Type of Activity | Role/Responsibility | Duration | Remarks |
|------|----------------------------------|---------------------------|--|------------------------------|
| 1 | Abhiyanth 2019 | ME Department Coordinator | 29 th March 2019 to 31 st March 2019 | Completed |
| 2 | NSS Special Camp | NSS Programme Officer | 05 th January 2019 to 11 th January 2019 | Completed |
| 3 | Piezo Electric Power Generation | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 4 | Master and Slave Robot | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 5 | Perpetual Wind Turbine | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 6 | Rotarbe | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 7 | Pest Blower | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 8 | Solar Powered Agricultural Robot | Project Guide | 05-06-18 to 03- | Completed for IV |

| | | | | |
|----|--|-----------------------|----------------------|------------------------------|
| | | | 08-18 | Convocation |
| 9 | Smart Wheel Chair | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 10 | Design and Fabrication of Mini-Lathe Machine | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 11 | Landmine Detection Robot | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 12 | Automatic Seed Sowing Robot | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 13 | Power Generation Using Automatic Suspension | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 14 | Railway Track Cleaning Robot | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 15 | Smart Stem Robot | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 16 | Long Range Spy Robot with Metal Detection | Project Guide | 05-06-18 to 03-08-18 | Completed for IV Convocation |
| 17 | SwatchaBharath Summer Internship(SBSI) | NSS Programme Officer | 01-08-18 to 15-08-18 | Completed |
| 18 | Jhanma Bhumi MaaVooru(JBMV) (Initiative of AP State Govt.) | NSS Programme Officer | 01-01-19 to 10-01-19 | Completed |
| 19 | Technical Exhibits at National Science Congress at YVU, Kadapa | Projects Guide | AY 18-19 | Completed |

| S. No | Name of the NSS Activity | Role | Location |
|-------|--|------------------------|---------------------------------------|
| 1 | Regular NSS Activities and Special camp at Adopted village | Programme Officer, NSS | RGUKT, RK Valley and Nelavaramthaanda |

| S.No. | Description | Provide details |
|-------|------------------------------------|---|
| 1 | Development of Innovative pedagogy | Innovative pedagogical techniques are being implemented during Technology-Enabled Learning bases classroom instruction. |

| | | |
|---|---|--|
| 2 | Development of new Laboratory experiments | Mechanical Engineering Labs and Skill Development Labs are established |
| 3 | Remedial teaching / student counseling (academic) | Students are being counselled for behavioral issues and for motivation as Dean, Students' Welfare. |
| 4 | Joint Publications/Book Writing/participation in conference with students | <ol style="list-style-type: none"> 1. Non-Traditional Manufacturing Processes (Book Chapters with students-On-going) 2. Participated in National Science Congress, YVU, Kadapa 3. Participated in Jnanabheri, YVU, Kadapa and secured cash award of 1.5 Lakhs for Design and Development of Railway Track Cleaning Robot. |
| 5 | Task Force for the 4 th Convocation RGUKT, RK Valley | Stage Management and Deeksha Invocation |

AY 2019-20:

| S.No. | Description | Provide details |
|-------|---|--|
| 1 | Development of Innovative pedagogy | Innovative pedagogical techniques are being implemented during Technology-Enabled Learning based classroom instruction. |
| 2 | Design of new courses and curricula | New courses and e-Learning material [videos and presentations] are being made available at my YouTube Channel: Er.Meenakshi Devi Parre |
| 3 | Remedial teaching / student counseling (academic) | Students are being counselled for behavioral issues and for motivation as Dean, Students' Welfare. |

AY 2020-21:

| S.No. | Description | Provide details |
|-------|---|--|
| 1 | Development of Innovative pedagogy | Innovative pedagogical techniques are implemented during Technology-Enabled Learning based classroom instruction. |
| 2 | Design of new courses and curricula | New courses and e-Learning material [videos and presentations] are being made available at my YouTube Channel: Er.Meenakshi Devi Parre |
| 3 | Remedial teaching / student counseling (academic) | Students are counselled for behavioral issues and for motivation as Dean, Students' Welfare. |

| | | |
|---|---|------------------------------|
| 4 | Task Force for the Honorable Chief Minister of AP visit to RGUKT, RK Valley | Overall Monitoring Committee |
|---|---|------------------------------|

| | | |
|------------|---|--|
| 26. | Innovations/Contributions to Teaching | |
| a) | Design of Curriculum: <ul style="list-style-type: none"> • Technology-Enabled Learning(TEL) Coordinator • Trained and certified on Modular Object-Oriented Dynamic Learning Environment (MOODLE) platform • Creating 'Heat Transfer' course on Open Source Learning Management System(LMS) • Teaching methodology of "Heat Transfer" course is Moodle Enabled Blended Learning/ Technology Enabled Learning. • Contributing to the Co-operative Education Model and Learning-By-Doing of Curriculum | |
| b) | Teaching methods: <ul style="list-style-type: none"> • Technology Enabled Learning(TEL) • Massive Open Online Courseware (MOOC)s • Moodle Enabled Blended Learning • Contributing to the Flipped Class Room Model of Teaching. | |
| c) | Laboratory experiments: <ul style="list-style-type: none"> • Establishment of Manufacturing Processes Lab (On-Going) | |

| | |
|----|---|
| d) | <p>Evaluation methods:</p> <ul style="list-style-type: none"> • Paper-Setter for Production Technology-I (10065), ME for Yogi VemanaUniversity,Proddatur • Paper-Setter for Production Technology-I (11464), ME for YVU Proddatur • Paper-Setter for Engineering Drawing-I (11516), ME for YVU Proddatur • Paper-Setter for Engineering Graphics (11526), ME for YVU Proddatur • Paper-Setter for Engineering Economics and Accountancy (31512),YVU Proddatur • Paper-Setter for Fluid Mechanics and Hydraulic Machines (31533), YVU Proddatur • Paper-Setter for Production Technology-I (31564), ME for YVU Proddatur • Paper-Setter for Machine Drawing (31566), ME for YVU Proddatur • Paper-Setter for Mechanical Measurements (51461), ME for YVU Proddatur • Paper-Setter for Tool Design (51462), ME for YVU Proddatur • Paper-Setter for CAD/CAM (51463), ME for YVU Proddatur • Paper-Setter for Theory of Machines- II (51564), ME for YVU Proddatur • Paper-Setter for Total Quality Management (51566), ME for YVU Proddatur • Paper-Examiner for Unconventional Manufacturing Processes, YVU Proddatur • Paper-Examiner for Manufacturing Processes, YVU Proddatur • Paper-Examiner for Engineering Economics and Accountancy, YVU Proddatur • Paper-Examiner for Mechanical Measurements, YVU Proddatur • External Examiner for CAD/CAM Lab for M.Tech at JNTU, Pulivendula (2016-17) • External Examiner for MMT Lab for B.Tech at JNTU, Pulivendula (2016-17) • External Examiner for MMT Lab for B.Tech at JNTU, Pulivendula (2017-18) • External Examiner for MSM lab for B.Tech at YVU, Proddatur (2017-18) • External Examiner for MP lab for B.Tech at YVU, Proddatur (2017-18) • External Examiner for Engineering Workshop for B.Tech at YVU, Proddatur (2017-18) • Examiner/Evaluator for Robotics(81562) for IV B.Tech, II Sem, YVU, Proddatur (2019-20) • External Examiner for Metrology Lab for III B.Tech, II Sem, YVU, Proddatur (2019-20) • External Examiner for Material Science and Metallurgy Lab for B.Tech. YVU, Proddatur (2019-20) |
| e) | <p>Preparation of resource material Including books, learning materials, Laboratory manuals etc.:</p> <ul style="list-style-type: none"> • Non-Traditional Manufacturing Processes • Heat Transfer- Moodle Enabled Blended Learning Course Designed Learning materials • Prepared Laboratory manuals for <ol style="list-style-type: none"> 1. Manufacturing Processes 2. Engineering Workshop 3. Metrology and Machine Tools 4. Heat Transfer 5. Thermal Engineering 6. Mechanics of Solids 7. Metallurgy and Material Science |
| f) | <p>Remedial teaching / student counseling (academic):</p> <ul style="list-style-type: none"> • Handled GATE classes for ME students free of cost. • Faculty advisor for study hours during study hours for Semester-I, AY 2016-17. • Classes are held periodically for students having remedial |

| | | |
|---------------|---|--------------------------|
| g) | Content developed: <ul style="list-style-type: none"> • Heat Transfer Lecture notes • Heat Transfer Assignments • Heat Transfer quizzes • Heat Transfer Blended Learning Course Design - Backward model • Heat Transfer Formative and Summative assessments | |
| 27. | Contributions made in other areas/Community work /NSS/NCC | |
| S. No. | Description of Work | Nature of Work |
| 1. | CNC Trainer cum Setter-Skill Development(NSDC-AICTE) | Course Instructor, PMKVY |
| 2. | Establishment of Skill Development Center(SDC) | Coordinator, SDC |
| 3. | Established APSSDC-Siemens t-SDI with seven labs at RGUKT, RK Valley | Coordinator, SDC |
| 4. | Trained 23 rural unemployed youth under PMKVY scheme | Coordinator, SDC |
| 5. | Approximately 7000 students got trained in AY 2016-17 and AY 2017-18 | Coordinator, SDC |
| 6. | 23 Faculty members are trained by SDC | Coordinator, SDC |
| 7. | NSS Programme Officer (AY 16-17) | NSS-Programme Officer |
| 8. | NSS Programme Officer (AY 17-18) | NSS-Programme Officer |
| 9. | SwachthaPakhwara (AY 16-17) | NSS-Programme Officer |
| 10. | SwachthaPakhwara (AY 17-18) | NSS Programme Officer |
| 11. | NSS Special Camp at Nelavaramthaanda | NSS Programme Officer |
| 12. | Planted 800 plants at RGUKT, RK Valley | NSS Programme Officer |
| 13. | Planted 600 plants at NSS Adopted village | NSS Programme Officer |
| 14. | Prevention of drug addiction and alcoholism campaign at NSS adopted village | NSS Programme Officer |
| 15. | Awareness of health and sanitation campaign at NSS adopted village | NSS Programme Officer |
| 16. | Women/child empowerment-education and skill development campaign at NSS adopted village | NSS Programme Officer |

| S. No | Dept. | SIP | Batch | Trainees | Duration | Status |
|--------------|--------------|--|--------------|-----------------|------------------|---------------|
| 1. | CSE | Computational Thinking and Problem Solving Skills-Fundamentals | E1 | 1682 | Nov-16 to Dec-16 | Completed |

| | | | | | | |
|---|-----|--|---------|-------------|--------------------|-----------|
| 2. | CE | AUTOCAD | E1 | 54 | Feb-17 to April-17 | Completed |
| 3. | CSE | Android – Fundamentals and Advanced | E3 | 46 | Jan-17 to April-17 | Completed |
| 4. | CSE | Computational Thinking and Problem Solving Skills-Advanced | E1 | 98 | Jan-17 to April-17 | Completed |
| 5. | ECE | VLSI | E2 & E3 | 34 | Feb-17 to April-17 | Completed |
| 6. | ECE | Embedded Systems | E2 & E3 | 42 | Feb-17 to April-17 | Completed |
| 7. | ME | AUTOCAD-Fundamentals | E1 | 51 | Feb-17 to April-17 | Completed |
| 8. | ME | AUTOCAD-Advanced | E2 | 62 | Feb-17 to April-17 | Completed |
| 9. | ME | CATIA V5 | E3 | 34 | Feb-17 to April-17 | Completed |
| 10. | ME | SDP- Automobile Engineering | E1 | 52 | June-17 to July-17 | Completed |
| 11. | ME | SDP- Automobile Engineering | E2 | 71 | June-17 to July-17 | Completed |
| 12. | ECE | SDP- Electrical (Home) | E1 | 184 | June-17 to July-17 | Completed |
| 13. | ECE | SDP - Electronics(Home and Office) | E2 | 176 | June-17 to July-17 | Completed |
| 14. | ME | CATIA V5 Workshop | E2&E3 | 192 | Aug-17 to Sept-17 | Completed |
| 15. | ME | SDP – RAC- Fundamentals | E1 | 64 | Aug-17 to Nov-17 | Completed |
| 16. | ME | SDP – RAC - Advanced | E2 | 76 | Aug-17 to Nov-17 | Completed |
| Total no. of students trained as on date | | | | 2918 | | |

Work experience in Years
(Details in a separate sheet)

Teaching:

(Asst. Professor, GDMM College of Engg. & Technology
from 08-06-08 to 30-04-09)

(Lecturer-on contract basis, IIIT Nuzvid
from 19-07-11 to 30-06-12)

(Assistant Professor(Regular) from 15-02-2016 to till-date)

Research/Others: 2 Years + 2 Years + 4 years

(M.Tech (Regular) graduate scholar with HTTA from MHRD at
IIT, Hyderabad during AY 2009 -11)

(Visiting Assistant/Associate Professor, MVRCE and MPES,
AY 2013-14 and 2014-15)

(Free Lance Faculty Member for GATE/IES, ME from 2011 to
2015)