

IQAC



**ANNUAL REPORT
2018-19**



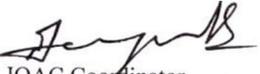
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| SL. No | Particulars |
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| 05 | FDP/Workshop/ Training Programme etc., (Organized/Attended) |
| 06 | MOU's |

Plan of action chalked out by the IQAC in the beginning of the Academic year and the outcome achieved by the end of the Academic year 2018-19

| Plan of Action | Achievements/Outcomes |
|---|---|
| Co Curricular Activities | <ul style="list-style-type: none"> • Guest Lectures have been organized by Various departments • Workshops have been organized by Various departments to improve the knowledge of faculty and students • Various departments have organized 07 Certification Programs |
| Industry Interaction | <p>A) Industrial visits • Various departments have organized 06 industrial visits • 264 students were participated in the industrial visits.</p> <p>B) Internships and Industrial Training • 264 UG 3rd year students have undergone Internship in various organizations • 08 PG students have taken up Internship / Field projects in various organizations</p> <p>C) MOUs: 08 MOUs have been signed with industries during the year</p> |
| Capability enhancement and development schemes | <p>Career Counselling: • 18 No. of personal Counselling sessions have been conducted. • 828 students are benefited by personal Counselling classes • 163 placements have been made during the A.Y.201819.</p> <p>Remedial Classes for slow learners: • Remedial classes have been conducted regularly for Students with less than 50 of IA marks. • 1137 students have enrolled and remedial classes have been conducted for 824 students. • 90 of faculty members are using ICT facilities • Faculty performance has been improved. • 04 Faculty development Programs have been organised various departments.</p> |
| Research Activities and publications | 70 Research papers have been published. • 03 faculty members have obtained Doctoral degree • Civil, EEE and MECH departments are recognised as Research Centres by VTU Belagavi, Karnataka. |
| Extent of financial assistance to the faculty members | 50 percent Concession is provided for medical treatment to employees of the Institute. • 11 Faculty members were provided with financial assistance to attend International conferences/Workshops. • Personal loans, Vehicle loans, Home loans are provided to the employees of the institution |
| Extra Curricular and Cultural activities | <ul style="list-style-type: none"> • More number of students participated in sports and games competitions at national and university level. • More number of students participated in cultural competitions at national and university level. |
| Student Achievements | One of the student has bagged university rank. |

| | |
|--|---|
| <p>Extension Activities Human and Ethical values</p> | <p>1658 students have participated in various extension activities • NSS unit is functional and involving students in activities like Blood donation camps, Tree plantations, Pulse polio camps to local children etc., continuously.</p> |
|--|---|


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Coordinator
Internal Quality Assurance Cell (IQAC)
SJMIT Chitradurga

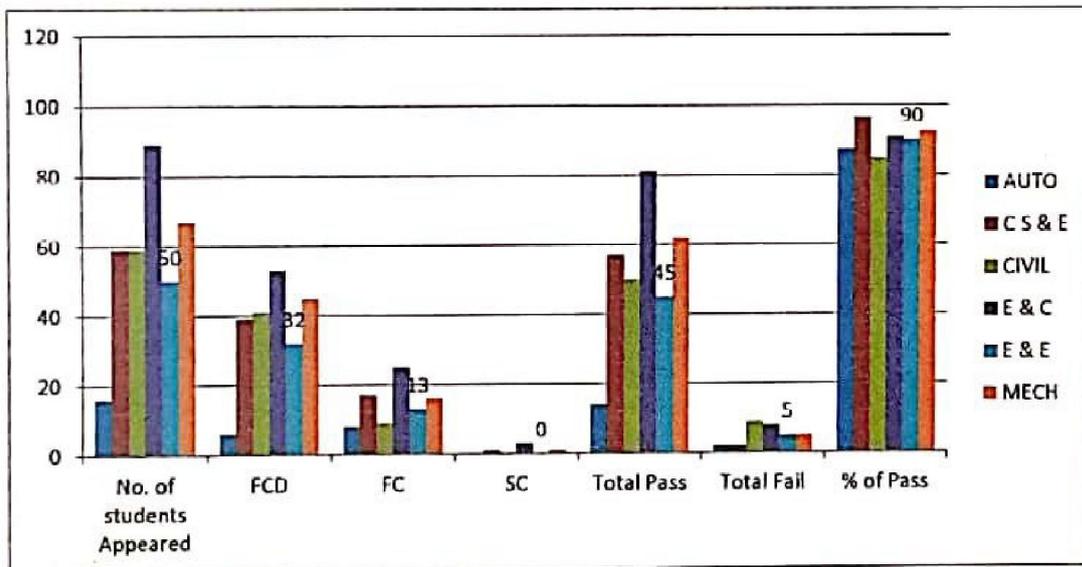

Principal
PRINCIPAL
S.J.M.I.T CHITRADURGA

SJM VIDYAPEETHA®
SJM INSTITUTE OF TECHNOLOGY, CHITRADURGA-577502

PASS PERCENTAGE OF RESULT FOR FINAL SEMESTER 2018-2019

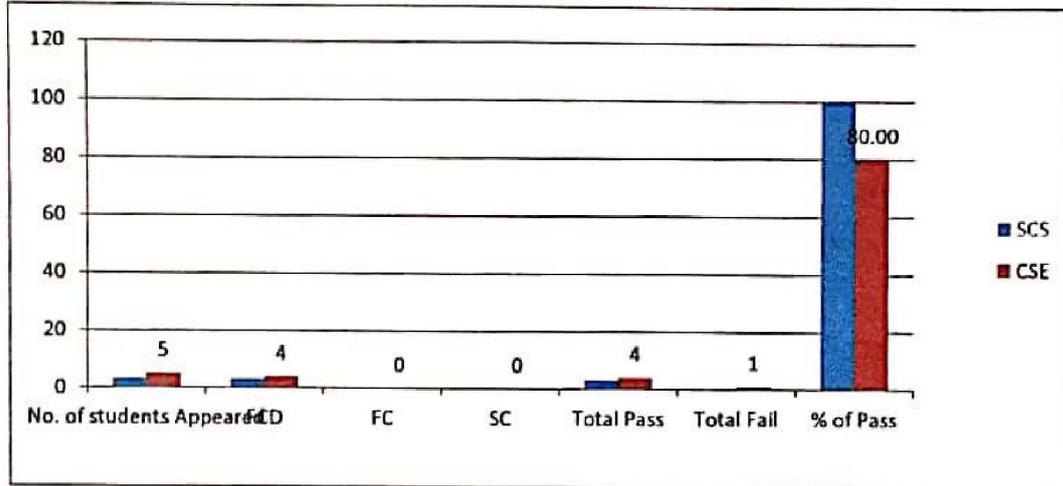
UG

| Semester | Branch | No. of students Appeared | FCD | FC | SC | Total Pass | Total Fail | % of Pass |
|--------------|---------|--------------------------|------------|-----------|----------|------------|------------|--------------|
| VIII | AUTO | 16 | 6 | 8 | 0 | 14 | 2 | 87.50 |
| | C S & E | 59 | 39 | 17 | 1 | 57 | 2 | 96.61 |
| | CIVIL | 59 | 41 | 9 | 0 | 50 | 9 | 84.75 |
| | E & C | 89 | 53 | 25 | 3 | 81 | 8 | 91.01 |
| | E & E | 50 | 32 | 13 | 0 | 45 | 5 | 90.00 |
| | MECH | 67 | 45 | 16 | 1 | 62 | 5 | 92.54 |
| TOTAL | | 340 | 216 | 88 | 5 | 309 | 31 | 90.88 |



PG

| Semester | Branch | No. of students Appeared | FCD | FC | SC | Total Pass | Total Fail | % of Pass |
|----------|--------|--------------------------|-----|----|----|------------|------------|-----------|
| IV | SCS | 3 | 3 | 0 | 0 | 3 | 0 | 100.00 |
| | CSE | 5 | 4 | 0 | 0 | 4 | 1 | 80.00 |



B. S. Hanthappa
PRINCIPAL
S. J. S. CHITRADURGA

Research papers published per teacher in the Journals notified on UGC CARE list during the year2019-201

| Title of paper | Name of the author/s | Department of the Teacher | Name of Journal | Calendar Year of publication |
|--|-----------------------------|-------------------------------------|------------------------|-------------------------------------|
| Numerical illustrations of 3D tangent hyperbolic liquid flow past a bidirectional moving sheet with convective heat transfer at the boundary | K. Ganesh Kumar | Mathematics | Heat Transfer-Wiley | 2019 |
| Nonlinear Radiative Heat Transfer and Boundary Layer Flow of Maxwell Nanofluid Past Stretching Sheet | K. Ganesh Kumar | Mathematics | Journal of Nanofluids | 2019 |
| Three-Dimensional (3D) Rotating Flow of Selenium Nanoparticles Past an Exponentially Stretchable Surface Due to Solar Energy Radiation | K. Ganesh Kumar | Mathematics | Journal of Nanofluids | 2019 |
| Impact of ohmic heating on MHD mixed convection flow of Casson fluid by considering Cross diffusion effect | K. Ganesh Kumar | Mathematics | Nonlinear Engineering | 2019 |
| Wireless control of appliances based on GSM | Sushmitha Deb | Electrical &Electronics Engineering | IJIACS | 2018 |
| Intelligent Car Security System Using Dynamic Generation of Random Security codes | Sushmitha Deb | Electrical &Electronics Engineering | IJRAR | 2018 |

| | | | | |
|--|------------------|--------------------------------------|---|------|
| Modernization of agricultural system using raspberry pi | Sushmitha Deb | Electrical & Electronics Engineering | IJRAR | 2018 |
| Slip flow over a non-Newtonian fluid through a Darcy Forchheimer medium: Numerical approach | K. Ganesh Kumar | Mathematics | Modern Physics Letters B | 2018 |
| Optical and electrical properties of Ti1-XSnXO2 nanoparticles | K. Ganesh Kumar | Mathematics | Journal of Molecular Liquids | 2018 |
| On stretched magnetic flow of Carreau nanofluid with slip effects and nonlinear thermal radiation | K. Ganesh Kumar | Mathematics | Nonlinear Engineering | 2018 |
| Dry Sliding Wear Behavior and Evaluation of Mechanical Properties of AA6061-B4C Composites | Dr. H R Manohara | Mechanical Engineering | Journal of Engineering Research and Application | 2018 |
| Processing and evaluation of mechanical properties and dry sliding wear behaviour of AA6061-B4C Composites | Dr. H R Manohara | Mechanical Engineering | Manufacturing materials | 2018 |
| Hybrid Non Conventional Machining of Glass - A Review | Jagannatha N | Mechanical Engineering | Applied Mechanics and Materials | 2018 |


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Books and chapters in edited volumes/books published and papers published conference proceedings per teacher during year 2018-19

| Name of the teacher | Title of the book/chapters published | Title of the paper | Title of the proceedings of the conference | Name of the conference | Calendar Year of publication |
|---------------------|---|---|--|---|------------------------------|
| H R Manohar | Engineering Research and Application | Dry Sliding Wear Behavior and Evaluation of Mechanical Properties of AA6061-B4C Composites | RASET | Journal of Engineering Research and Application | 2019 |
| H R Manohar | Innovations in manufacturing material | Processing and evaluation of mechanical properties and dry sliding wear behavior of AA6061-B4C Composites | AEST | Journal of manufacturing material | 2019 |
| K B Siddesh | Adances in Engineerring eciences and Technology | Mathematical modeling of sliding mode reaching laws for buck converter | ICRST | IJITEE | 2019 |
| K B Siddesh | Adances in Innovation eciences and Technology | Robust reaching law for chattering mitigation in sliding mode controlled DC-DC buck converter | A EST | Journal of Advanced Research in Dynamical & Control Systems | 2019 |


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Programs Organized by the Institution during the year 2018-19

| Name of the activity | Organising unit/ agency/ collaborating agency | Name of the scheme | Year of the activity |
|--|--|-------------------------------|-----------------------------|
| Swachhatha Abhiyana | S J M Vidyapeetha & S J M Institute of Technology | Swachh Bharat | 2019 |
| Rain Water Harvesting | S J M Vidyapeetha & S J M Institute of Technology | Awareness Program | 2019 |
| Cyber Crime Awareness Program | S J M Vidyapeetha & S J M Institute of Technology | Awareness Program | 2019 |
| Independence day Celebrations | S J M Vidyapeetha & S J M Institute of Technology | Independence day Celebrations | 2019 |
| Republic Day Celebrations | S J M Vidyapeetha & S J M Institute of Technology | Republic Day Celebrations | 2019 |
| International Yoga Diwas | S J M Institute of Technology | International Yoga Diwas | 2019 |
| Tree Plantation | S J M Institute of Technology & Karnataka state Bio Energy Development Board | Tree Plantation | 2019 |
| Kannada Rajyotsava | S J M Institute of Technology & S J M Hostel Group | Kannada Rajyotsava | 2019 |
| Engineers Day Celebrations | S J M Institute of Technology | Engineers Day Celebrations | 2019 |
| Gandhi Jayanthi | S J M Institute of Technology | Gandhi Jayanthi | 2019 |
| National Unity Day | S J M Institute of Technology | National Unity Day | 2019 |
| Blood Donation Program | S J M Institute of Technology & Youth Red Cross | Blood Donation Program | 2019 |
| World Environmental Day | S J M Institute of Technology & Karnataka state Bio Energy Development Board | World Environmental Day | 2019 |
| Entrepreneurship Awareness Camp | S J M Institute of Technology | Research& Development | 2018 |
| Entrepreneurship Awareness Camp | S J M Institute of Technology | Research& Development | 2018 |
| Entrepreneurship Awareness Camp | S J M Institute of Technology | Research& Development | 2018 |
| Entrepreneurship Awareness Camp | S J M Institute of Technology | Research& Development | 2018 |
| Entrepreneurship Awareness Camp | S J M Institute of Technology | Research& Development | 2018 |
| Self Employment Programme | S J M Institute of Technology | Research& Development | 2018 |
| Workshop on “Outcome based education system and Plagarism” | S J M Institute of Technology | Research& Development | 2018 |

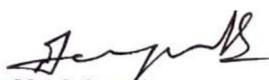
| | | | |
|------------------------------------|-------------------------------|------------------------|------|
| Intellectual Property Rights | S J M Institute of Technology | Research & Development | 2018 |
| Intellectual Property Rights | S J M Institute of Technology | Research & Development | 2018 |
| Yoga class | S J M Institute of Technology | IQAC | 2018 |
| Enterprenirship Depevelopment Camp | S J M Institute of Technology | IQAC | 2018 |
| Enterprenirship Depevelopment Camp | S J M Institute of Technology | IQAC | 2018 |
| Enterprenirship Depevelopment Camp | S J M Institute of Technology | IQAC | 2018 |
| Enterprenirship Depevelopment Camp | S J M Institute of Technology | IQAC | 2018 |
| Enterprenirship Depevelopment Camp | S J M Institute of Technology | IQAC | 2018 |
| Personality Development Program | S J M Institute of Technology | IQAC | 2019 |
| Yoga class | S J M Institute of Technology | IQAC | 2019 |


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MoUs for internship,/on-the-job training/ project work/student / faculty during year 2018-19

| Name of the MoU / linkage | Name of the institution / industry with whom the MoU / linkage is made, with contact details | Year of signing MoU / linkage | Purpose of the MoU/Linkage (nternship, on-the-job training, project work, student / faculty exchange and collaborative research) | Duration of MoU / linkage |
|----------------------------------|---|--------------------------------------|---|----------------------------------|
| SJM Institute of Technology | Abeyatrix softlab Pvt ltd Davanagere | 2019 | Internship | 2 YEAR |
| SJM Institute of Technology | PVC Pumps Pvt. Ltd., Davanagere-577 005. | 2019 | Industrial visites, Interaction with students | 2 YEAR |
| SJM Institute of Technology | Vinyas Associates, 1st main, Kannika Commercial Layout, Chitradurga | 2019 | Guest Lectures, Placement of Trained students | 3 YEAR |
| SJM Institute of Technology | Mile stone Training Center, Chitradurga. | 2019 | Training of Students for placement | 5 YEAR |
| SJM Institute of Technology | Mahindra- sri rangantha motors | 2019 | Training of Students for placement | 3 YEAR |


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