

**Academic & Administrative
Audit (AAA)**

and

**Action taken Report
2022-23**

S.J.M. INSTITUTE OF TECHNOLOGY

Accredited by NAAC

(Affiliated to Visvesvaraya Technological University, Belagavi. Recognised by AICTE New Delhi)

NH4 Bye-Pass, P.B.No.73, CHITRADURGA - 577 502 Karnataka State.

Phone: 08194 - 222866, Mobile: 9483190087

E-Mail : principal@sjmit.ac.in, Web: www.sjmit.ac.in

Ref. No. SJMIT/OFFICE/719-A/2023-24
CIRCULAR

Date: 22 DEC 2023

The **External Academic & Administrative Audit (AAA)** of the institution by External Audit committee is arranged on 26/12/2023 at 10:00am. The details and schedule for the auditing is given below:

| Sl.No | Department | Date & Time | External AAA committee Members |
|-------|--|-----------------------|---|
| 01 | Computer Science & Engineering | 26/12/2023 10:00am | Dr. Dr. Poornima Hulipalled, Prof. Poral Nagaraj, Prof. Basantha Kumari |
| 02 | Electronics & communication Engineering | 26/12/2023 02:30pm | Dr. Dr. Poornima Hulipalled, Dr. Siddesh K B, Prof. Nandini |
| 03 | Electrical & Electronics Engineering | 26/12/2023 10:00am | Dr. Veerabhadrappe Alagur, Dr. Kumaraswamy B G, Prof. Sushmita Deb |
| 04 | Civil Engineering | 26/12/2023 02:30pm | Dr. Veerabhadrappe Alagur, Dr. Srishaila J M, Prof. Hussain Imran K M |
| 05 | Mechanical Engineering | 26/12/2023 11:30pm | Dr. Veerabhadrappe Alagur, Dr. Jagannatha N, Prof. Prabhuswamy G S |
| 06 | Basic Science (Chemistry, Mathematics & Physics) | 26/12/2023 10:00am | Dr. Sumangala B Prof. Shashidhar A P Dr. Lokesh H J Dr. Niranjana E |

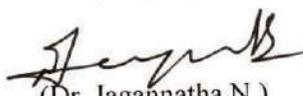
External AAA Experts:

1. Dr. Veerabhadrappe Alagur, IQAC Coordinator/Associate Professor, Dept. of Mechanical Engineering, Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari – 583104.
2. Dr. Sumangala B, Head of the Department, Dept. of Mathematics, Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari – 583104.
3. Dr. Poornima Hulipalled, Associate Professor, Dept. of Computer Science & Engineering, Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari – 583104.

Further the record of the same should be kept in the Department HOD/ Academic Coordinator.

Copy to:

1. External Audit Member
2. Academic Coordinator
3. HOD


(Dr. Jagannatha N)
IQAC Coordinator


(Dr. Bharath P B)
Principal



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S J M INSTITUTE OF TECHNOLOGY

(Recognized by AICTE, New Delhi and Affiliated to Visvesvaraya Technological University, Belagavi)
NH-4 Bypass, P.B.No:73, CHITRADURGA -577502, Karnataka State.



Period to consider for Auditing Process: 1st August 2022 – 31st July, 2023 (CAY: 2022-23)

PART – I: PRELIMINARY INFORMATION

1. Name of the Department : **Mechanical Engineering**
2. Date of Visit : **26-12-2023**
3. Members of the Audit Committee :
 1. Dr. Veerabhadrappa Algur, IQAC Coordinator, Associate Professor , Dept. of Mechanical Engineering, RYM Engineering College, Ballari
 2. Dr. Poornima Hulipalled , IQAC Coordinator, Associate Professor, Dept. of CS&E, BITM Ballari.
 3. Dr. B. Sumangala, Associate Professor & Head, Dept. of Mathematics ,RYM Engineering College, Ballari.

PART – II: ACADEMIC INFORMATION

| Sl. No | Particulars | | | Remarks | |
|--------------|--|-----------------|-----------------------------|-----------------|--|
| 1 | (a).Courses offered | | | | |
| | Name of the program | Intake | Year of Commencement | | |
| | Mechanical Engineering | 30 | 1980 | | |
| | Thermal Power Engineering | 09 | 2014 | | |
| | | | | | |
| | | | | | |
| | (b). Availability of Time Tables: | | | | |
| | (i) Calendar-VTU/Institute/Department | | | (i) Yes | |
| | (ii) Class Time Tables | | | (ii) Yes | |
| | (iii) Individual Faculty Time Tables | | | (iii) Yes | |
| | (iv) Laboratory wise Time Tables | | | (iv) Yes | |
| 2 | Faculty information | | | | |
| | | Required | Available | | |
| | | | Regular | Contract | |
| | Professors | 02 | 02 | | 02 Nos. of Assistant Professors for 1 st year |
| | Associate .Professors | 02 | 05 | | |
| | Assistant professors | 03 | 03 | | |
| Total (1:20) | 07 | 10 | | | |
| | | | | | |

**(a) Faculty members with**

- (i) Ph. D qualification: 05
(ii) Post-Graduation Qualification: 06
(iii) Any Other (specify) : _____

(b) FSR Ratio UG: 1:20 PG: 1:15**(c) Teaching Experience (within SJMIT) of the Faculty in the Department:**

| Tenure | No. of Faculty |
|-----------------------|----------------|
| More than 15 Years | 10 |
| Between 8 to 15 Years | 0 |
| Between 1 to 8 Years | 0 |
| Below 1 Year | 0 |

(d) Consolidated Experience of the teaching faculty considering outside experience.

| Sl. No | Name of the Faculty | Designation | Highest Qualification | Date of joining in SJMIT | Experience in SJMIT | Experience before joining SJMIT (teaching /industry) | Total experience |
|--------|---------------------|--------------|-----------------------|--------------------------|---------------------|--|------------------|
| 1 | Dr. JAGANNATH N | Prof. & Head | Ph. D. | 26-10-1998 | 25.6 | 03 | 28.6 |
| 2 | Dr. SHIVAKUMAR S P | Professor | Ph.D. | 09-03-2006 | 18 | | 18 |
| 3 | Dr. RAJESH A M | Assoc. Prof | Ph.D. | 16-08-2007 | 16.8 | | 16.8 |
| 4 | Dr. SATISH J | Assoc. Prof | Ph.D. | 11-08-2005 | 18.8 | | 18.8 |
| 5 | RUDRASWAMY M K | Assoc. Prof | M. Tech | 01-07-1987 | 36.10 | | 36.10 |
| 6 | NAGARAJ T | Assoc. Prof | M. Tech | 12-01-1996 | 28.3 | | 28.3 |
| 7 | MADHU K C | Assoc. Prof | M. Tech | 01-08-2005 | 18.9 | | 18.9 |
| 8 | PRABHUSWAMY G S | Asst. Prof | M. Tech | 15-05-2007 | 16 | | 16 |
| 9 | VISHWANATHA D | Asst. Prof | M. Tech | 15-10-2010 | 13.6 | 03 | 16.6 |
| 10 | NAGARAJA B | Asst. Prof | M. Tech | 05-08-2008 | 15.8 | 03 | 18.8 |

Details of Supporting Staff

- 3
- a. Programmers a. 01
b. Instructors b. 02



| | | |
|---|---|---|
| | <p>c. Assistant Instructor</p> <p>d. System Analyst</p> <p>e. Mechanic</p> <p>f. Attenders/Peons</p> | <p>c. 02</p> <p>d. 00</p> <p>e. 00</p> <p>f. 02</p> |
| 4 | Evidences of syllabus for UG and PG Programs | Available |
| 5 | <p>1. Report on Laboratory-wise Facilities with the following data:</p> <p>a. Equipment/Software Details</p> <p>Single Cylinder Vertical Diesel Engine 4 Stroke</p> <p>Multi Cylinder Vertical 4Stroke water cooled petrol engine</p> <p>Variable compression ratio Petrol engine test rig. 2.5Hp 2800 rpm</p> <p>Resistance loading.</p> <p>Pressure distribution in journal Bearing.</p> <p>Universal governor</p> <p>All geared head lathes / Precision central lathe / medium duty lathe</p> <p>All Geared Shaping machine 12" Stroke.</p> <p>Sharp shaping Machine -SSM65</p> <p>Drilling Machine P2/25/GT/10</p> <p>JAYEMSPREMAC 6" Capacity slotting machine</p> <p>SAGAR Heavy Belt driven Planing Machine</p> <p>Cylindrical Grinding Machine TMT 350</p> <p>Surface grinding machine</p> <p>Milling Machine</p> <p>Power hacksaw machine</p> <p>Auto collimator</p> <p>Tool maker's microscope</p> <p>Optical projector</p> <p>Heat Transfer in Natural Convection</p> <p>Heat Transfer in Forced Convection</p> <p>Parallel Flow / Counter Flow Heat Exchanger with two rotameters</p> <p>Heat transfer through thermal conductivity of metals</p> <p>Solid Edge V 19.0</p> <p>ANSYS V 18.0</p> | |



| | | |
|---|--|--|
| | <p>CNC Simulation Software</p> <p>Fusion 360</p> <p>b. Procurement of additional equipment/Software (in the current academic year if any).</p> <p>25 Desktop computers are purchased</p> <p>2. Report on Consolidated Computing facilities in the Department</p> <p>a. Number of PCs 94</p> <p>b. List of the Software/ Software packages/Simulation Tools</p> <p>Solid Edge V 19.0</p> <p>ANSYS V 18.0</p> <p>CNC Simulation Software</p> <p>Fusion 360</p> <p>c. No of Printers available: 05</p> <p>3. Availability of updated Stock Registers: Yes</p> <p>4. Adoption of safety measures in the Department: Yes</p> | |
| 6 | <p>Report on Faculty Improvement/Enrichment Programmes:</p> <p>a. FDP /STTP/Workshops/Seminars organized by the Department:</p> <p>National Level Online Faculty Development Program On "Current Trends in Manufacturing"</p> <p>"Become an entrepreneur & serve the unemployed youth"</p> <p>b. Conferences organized by the Department: Nil</p> <p>c. FDP /STTP/Workshops/Seminars attended by the faculty: 24</p> <p>d. Conferences attended by the Faculty: 05</p> | |
| 7 | <p>a. Report on research Publications:</p> <p>i. No. of Publications in Journals</p> <ul style="list-style-type: none">• International : 05• National: 00 <p>ii. No. of publications in Conferences</p> <ul style="list-style-type: none">• National : 00• International: 05 <p>iii. No. of books/articles/book chapters</p> | |



| | | | | | |
|----|---|-------------------------------|-------------------------------------|------------------------------------|------------------|
| | <ul style="list-style-type: none"> • International : <u>Nil</u> • National: <u>Nil</u> • Regional: <u>Nil</u> <p>b. Report on Patents/copyrights/Industrial Designs:</p> <p>(i) Published: <u>01</u></p> <p>(ii) Granted: <u>01</u></p> | | | | |
| | (a)Report on Ongoing Research/Sponsored Research Project Details: | | | | |
| | Title | Name of PI and Co-PI | Funding Agency | Amount in Rs. | Status |
| | BRIDC | Dr. RAJESH A M (PI) | Karnataka Bio Diesel Board | 3,80,000 | Ongoing |
| | | Prof. PRABHUSWAMY G S (Co-PI) | | | |
| | Any Other relevant information | | | | |
| | (b)Report on Consultancy Details: | | | | |
| 8 | Name of Faculty (Chief Consultant) | Client Organization | Title of Consultancy Project | Amount Received (in Rupees) | |
| | | | | | |
| | | | | | |
| | Any Other relevant information _____ | | | | |
| 9 | Report on Student Projects and their outcomes in terms of publications/ IPR | | | | |
| | a) UG | | | | |
| | b) PG | | | | |
| 11 | Report on MoU's and Ongoing /Completed Activities | | | | Available |



| | | |
|----|---|--|
| 12 | <p>Report on Library, Internet & other facilities:</p> <p>(a) Library and Information Centre-Central library (Furnish Programme-wise Details):</p> <p>(i) Number of Titles: _____ (ii) Total volumes of Books: _____ (iii) Number of Journals: _____ (iv) Online Journals Subscriptions: _____ (v) Online e-books Subscriptions: _____ (vi) Any other item: _____</p> <p>(b) Department Library:</p> <p>(i) Number of Titles: <u>588</u> (ii) Total volumes of Books: <u>1637</u></p> <p>Internet Connectivity: 200 mbps broad band internet service (railware)</p> | |
| 13 | <p>Report on Placement, Internship and Training activities:</p> <p>(a) Placement Activities:</p> <p>(i) Number of companies Visited: 01 (ii) Number of Students Placed: 14 (iii) Highest Salary offered: 3.5 L (iv) Average salary offered: 3.5 L (v) Median Salary offered: 3.2 L</p> <p>(b) Internship Activities:</p> <p>(i) Number of Organizations offered Internships: 01 (ii) Number of Students carried out Internships: 25 (iii) Number of Internships carried out with stipend: Nil Total Number of Internships: 02 (iv) Highest Stipend offered: NA</p> | |



| | | |
|----|---|--|
| | <p>(c) Report on Training Activities/coding school activities/soft skills conducted for your Department students by Career Development Centre/your Department:</p> <p style="text-align: center;">“Short term Programme on Mechanical Software’s (Catia, Solid edge AutoCAD)”</p> | |
| 14 | <p>(a) Report on overall Results (UG)</p> <p>(i) Overall Pass Percentage <u>57.6%</u></p> <p>(ii) Percentage of Distinctions <u>17.6%</u></p> <p>(iii) Percentage of First Classes <u>40%</u></p> <p>Note : Report on CO and PO attainments are to be evidenced</p> <p>(b) Report on Semester wise results (UG)</p> <p>I. Semester Pass % <u>00%</u></p> <p>II. Semester Pass % <u>66.66%</u></p> <p>III. Semester Pass % <u>6.66%</u></p> <p>IV. Semester Pass % <u>25%</u></p> <p>V. Semester Pass % <u>50%</u></p> <p>VI. Semester Pass % <u>40%</u></p> <p>VII. Semester Pass % <u>80%</u></p> <p>VIII. Semester Pass % <u>93.33%</u></p> <p>Number of Students discontinued from the program: <u>Nil</u></p> <p>(c) Report on overall Results (PG Programs: M. Tech/MBA)</p> <p>(i) Overall Pass Percentage: <u>100%</u></p> <p>(ii) Percentage of Distinctions: <u>100%</u></p> <p>(iii) Percentage of First Classes <u>NA</u></p> <p>Note: Report on CO and PO attainments are to be evidenced</p> <p>(d) Report on Semester wise results (PG Programs: M. Tech/MBA)</p> <p>I Semester Pass % <u>NA</u></p> <p>II Semester Pass % <u>NA</u></p> | |



| | Number of Students discontinued the program: <u>NIL</u> | | | |
|----|--|--|-------------------|------------------|
| 15 | Report on Co-Curricular and Extra-Curricular Activities(with evidences) | | | Yes |
| 16 | <p>(a) Report on Stakeholder's feedback</p> <p>Evidences of Feedback reports and action proposed /taken for</p> <p>(i) Program exit survey – Yes</p> <p>(ii) Course exit survey – Yes</p> <p>(iii)Alumni – Yes</p> <p>(iv)Employers – Yes</p> <p>(v) Parents – Yes</p> <p>(b) Evidences of Feedback reports on the Faculty and action proposed/taken reports : Available</p> | | | |
| 17 | <p>Report on Minutes of meetings and also on action taken/initiated respectively</p> <p>a) Academic Committee</p> | | | |
| 18 | Report on Student mentoring and counseling process with evidences: Available | | | |
| 19 | Report on Infrastructural Details of the Department : | | | |
| | (a) Class rooms/Tutorial rooms/Drawing Halls/Laboratories/Department Library/ HoD Office/Faculty rooms/seminar halls/waiting halls etc. | | | |
| | Sl. No | Description | Hall/Room Numbers | Area (in Sq.mts) |
| | 1. | Mechanical Measurements & Metallurgy Lab | MEL-1 | 82.00 |
| | 2. | Foundry & Forging Lab –I & II | MEL-2 | 198.38 |
| | 3 | Energy Conversion Laboratory | MEL-3 | 70.00 |
| | 4 | Design Laboratory | MEL-6 | 70.00 |
| | 5 | Heat & Mass Transfer Laboratory | MEL-7 | 105.30 |
| | 6 | Machine Shop – I & II | MEL-8 | 383.00 |
| | 7 | Workshop Practice | MEL-9 | 70.00 |
| | 8 | CAMA / CIM & Automation Lab | MEL-10 | 70.00 |
| | 9 | CAED / CAMD Lab | MEL-11 | 150.00 |
| | 10 | Classroom | MLH-1 | 79.55 |
| | 11 | General Workshop | GWS-1 | 90.30 |
| 12 | Library | LIBR-1 | 48.64 | |
| 13 | Seminar hall | SEMH-1 | 137.75 | |



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| | | |
|--|---|--|
| | <p>(b) Number of LCD Projectors/Digital Boards available in class rooms/seminar Halls/ Laboratories <u>04</u>.</p> <p>(c) Information on any other Teaching Aids: <u>SMART INTERACTIVE TV</u></p> | |
|--|---|--|



Signature of HOD
PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGG.
S J M INSTITUTE OF TECHNOLOGY
CHITRADURGA-577502



(IQAC Coordinator)
SJMIT, Chitradurga

Coordinator

Internal Quality Assurance Cell (IQAC)
SJMIT Chitradurga



(IQAC Chairman)
SJMIT, Chitradurga

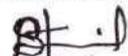
PRINCIPAL
S.J.M.I.T., Chitradurga

observations

1. The Previous Compliance Report is incorporated in all aspects
2. Quality Publications must be enhanced.
3. MOOCs. Certification Courses for student/faculty shall be encouraged.

(Member-Academic Audit Committee)


(Dr. Sumangala B)
Assoc. Prof & Head
Dept. of Mathematics
RYMEC, Ballari


(Dr. Poornima H.)
Asst. Prof. Dept. of CSE
BITM Ballari


(Dr. Veerabhadappa Agur)
Co-ordinator
Internal Quality Assurance Cell
R.Y.M. Engineering College
Cantonment, Ballari-583141



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S J M INSTITUTE OF TECHNOLOGY
INTERNAL QUALITY ASSURANCE CELL (IQAC)
Accredited by NAAC with B++

(Recognized by AICTE, New Delhi and Affiliated to Visvesvaraya Technological University, Belagavi)
NH-4 Bypass, P.B.No:73, CHITRADURGA -577502, Karnataka State



Action taken report for Academic & Administrative Audit (AAA)

The **Academic & Administrative Audit (AAA)** has been conducted in the Institution by External Audit committee for the academic year 2022-23. The details of the report and action taken by the IQAC are as given below. The report is also submitted to the Institutional Governing council for the approval.

| Sl.No. | Academic & Administrative Audit Committee 's observations | Action Taken by IQAC |
|--------|---|---|
| 1 | The previous Compliance Report (2021-22) is incorporated in all aspects | --- |
| 2 | Quality Publications must be enhanced. | Instructed and guided to all faculties to improve the research activities and publish their |
| 3 | MOOCs Certification Courses for student / faculty shall be encouraged. | Instructed to all HODs to motivate and guide the student / faculty to register for MOOCs Certification Courses. |

Enclosed: Report of the Academic & Administrative Audit


Coordinator
Internal Quality Assurance Cell (IQAC)
SJMIT Chitradurga


PRINCIPAL
S.J.M.I.T., Chitradurga

**Academic & Administrative
Audit (AAA)**

and

**Action taken Report
2021-22**

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Phone: 08194 - 222866, Mobile: 9483190087

E-Mail : principal@sjmit.ac.in, Web: www. sjmit.ac.in



Ref. No. SJMIT/OFFICE/2022-23

Date: 15 NOV 2022

CIRCULAR

The **External Academic & Administrative Audit (AAA)** of the institution by External Audit committee is arranged on 17/11/2022 at 10:00am. The details and schedule for the auditing is given below:

| Sl.No | Department | Date & Time | External AAA committee Members |
|-------|--|-----------------------|---|
| 01 | Computer Science & Engineering | 17/11/2022 10:00am | Dr. Dr. Poornima Hulipalled, Prof. Poral Nagaraj, Prof. Basantha Kumari |
| 02 | Electronics & communication Engineering | 17/11/2022 02:30pm | Dr. Dr. Poornima Hulipalled, Dr. Siddesh K B, Prof. Nandini |
| 03 | Electrical & Electronics Engineering | 17/11/2022 10:00am | Dr. Veerabhadrappe Alagur, Dr. Kumaraswamy B G, Prof. Sushmita Deb |
| 04 | Civil Engineering | 17/11/2022 02:30pm | Dr. Veerabhadrappe Alagur, Dr. Srishaila J M, Prof. Hussain Imran K M |
| 05 | Mechanical Engineering | 17/11/2022 11:30pm | Dr. Veerabhadrappe Alagur, Dr. Jagannatha N, Prof. Prabhuswamy G S |
| 06 | Basic Science (Chemistry, Mathematics & Physics) | 17/11/2022 10:00am | Dr. Sumangala B Prof. Shashidhar A P Dr. Lokesh H J Dr. Niranjan E |

External AAA Experts:

1. Dr. Veerabhadrappe Alagur, IQAC Coordinator/Associate Professor, Dept. of Mechanical Engineering, Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari – 583104.
2. Dr. Sumangala B, Head of the Department, Dept. of Mathematics, Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari – 583104.
3. Dr. Poornima Hulipalled, Associate Professor, Dept. of Computer Science & Engineering, Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari – 583104.

Further the record of the same should be kept in the Department HOD/ Academic Coordinator.

Copy to:

1. External Audit Member
2. Academic Coordinator
3. HOD

(Dr. Jagannatha N)
IQAC Coordinator

(Dr. Bharath P B)
Principal



Period to consider for Auditing Process: 1st August, 2021 – 31st July, 2022 (CAY: 2021-22)

PART – I: PRELIMINARY INFORMATION

1. Name of the Department : **Mechanical Engineering**

2. Date of Visit : **17-11-2022**

3. Members of the Audit Committee :

1. Dr. Veerabhadrappa Algur, IQAC Coordinator, Associate Professor, Dept. of Mechanical Engineering, RYM Engineering College, Ballari
2. Dr. Poornima Hulipalled, IQAC Coordinator, Associate Professor, Dept. of CS&E, BITM Ballari.
3. Dr. B. Sumangala, Associate Professor & Head, Dept. of Mathematics, RYM Engineering College, Ballari.

PART – II: ACADEMIC INFORMATION

| Sl. No | Particulars | | | Remarks | |
|---------------------------------|--|-----------------|-----------------------------|------------------|--|
| 1 | (a). Courses offered | | | | |
| | Name of the program | Intake | Year of Commencement | | |
| | Mechanical Engineering | 60 | 1980 | | |
| | Thermal Power Engineering | 18 | 2014 | | |
| | | | | | |
| | (b). Availability of Time Tables: | | | | |
| | (i) Calendar-VTU/Institute/Department | | | (i) Yes | |
| | (ii) Class Time Tables | | | (ii) Yes | |
| | (iii) Individual Faculty Time Tables | | | (iii) Yes | |
| | (iv) Laboratory wise Time Tables | | | (iv) Yes | |
| 2 | Faculty information | | | | |
| | | Required | Available | | |
| | | | Regular | Contract | |
| | Professors | 02 | 03 | | 02 Nos. of Assistant Professors for 1st year |
| | Associate .Professors | 03 | 05 | | |
| | Assistant professors | 09 | 02 | | |
| Total (1:20) | 14 | 10 | | | |
| (a) Faculty members with | | | | | |



- (i) Ph. D qualification: 05
(ii) Post-Graduation Qualification: 06
(iii) Any Other (specify) : _____

(b) FSR Ratio UG: 1:20 PG: 1:15

(c) Teaching Experience (within SJMIT) of the Faculty in the Department:

| Tenure | No. of Faculty |
|-----------------------|----------------|
| More than 15 Years | 10 |
| Between 8 to 15 Years | 01 |
| Between 1 to 8 Years | 0 |
| Below 1 Year | 0 |

(d) Consolidated Experience of the teaching faculty considering outside experience.

| Sl. No | Name of the Faculty | Designation | Highest Qualification | Date of joining in SJMIT | Experience in SJMIT | Experience before joining SJMIT (teaching /industry) | Total experience |
|--------|---------------------|--------------|-----------------------|--------------------------|---------------------|--|------------------|
| 1 | Dr. JAGANNATH N | Prof. & Head | Ph. D. | 26-10-1998 | 24.6 | 03 | 27.6 |
| 2 | Dr. MANOHARA H R | Professor | Ph. D | 24-01-1985 | 37.5 | | 37.5 |
| 3 | Dr. SHIVAKUMAR S P | Professor | Ph.D. | 09-03-2006 | 17 | | 17 |
| 4 | Dr. RAJESH A M | Assoc. Prof | Ph.D. | 16-08-2007 | 15.8 | | 15.8 |
| 5 | Dr. SATISH J | Assoc. Prof | Ph.D. | 11-08-2005 | 17.8 | | 17.8 |
| 6 | RUDRASWAMY M K | Assoc. Prof | M. Tech | 01-07-1987 | 35.10 | | 35.10 |
| 7 | NAGARAJ T | Assoc. Prof | ME | 12-01-1996 | 27.3 | | 27.3 |
| 8 | MADHU K C | Assoc. Prof | M. Tech | 01-08-2005 | 17.9 | | 17.9 |
| 9 | PRABHUSWAMY G S | Asst. Prof | M. Tech | 15-05-2007 | 15 | | 15 |
| 10 | VISHWANATHA D | Asst. Prof | M. Tech | 15-10-2010 | 12.6 | 03 | 15.6 |
| 11 | NAGARAJA B | Asst. Prof | BE | 05-08-2008 | 14.8 | 03 | 17.8 |

3 **Details of Supporting Staff**

- a. Programmers a. 01
b. Instructors b. 04
c. Assistant Instructor c. 01
d. System Analyst d. 00
e. Mechanic e. 00



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| | f. Attenders/Peons | f. 02 |
|---|---|-----------|
| 4 | Evidences of syllabus for UG and PG Programs | Available |
| 5 | <p>1. Report on Laboratory-wise Facilities with the following data:</p> <p>a. Equipment/Software Details</p> <ul style="list-style-type: none">Single Cylinder Vertical Diesel Engine 4 StrokeMulti Cylinder Vertical 4Stroke water cooled petrol engineVariable compression ratio Petrol engine test rig. 2.5Hp 2800 rpmResistance loading.Pressure distribution in journal Bearing.Universal governorAll geared head lathes / Precision central lathe / medium duty latheAll Geared Shaping machine 12" Stroke.Sharp shaping Machine -SSM65Drilling Machine P2/25/GT/10JAYEMSPREMAC 6" Capacity slotting machineSAGAR Heavy Belt driven Planing MachineCylindrical Grinding Machine TMT 350Surface grinding machineMilling MachinePower hacksaw machineAuto collimatorTool maker's microscopeOptical projectorHeat Transfer in Natural ConvectionHeat Transfer in Forced ConvectionParallel Flow / Counter Flow Heat Exchanger with two rotametersHeat transfer through thermal conductivity of metalsSolid Edge V 19.0ANSYS V 18.0CNC Simulation Software | |



| | | |
|---|---|--|
| | <p>b. Procurement of additional equipment/Software (in the current academic year if any).</p> <p style="text-align: center;">NIL</p> <p>2. Report on Consolidated Computing facilities in the Department</p> <p>a. Number of PCs 94</p> <p>b. List of the Software/ Software packages/Simulation Tools</p> <p style="padding-left: 20px;">Solid Edge V 19.0</p> <p style="padding-left: 20px;">ANSYS V 18.0</p> <p style="padding-left: 20px;">CNC Simulation Software</p> <p>c. No of Printers available: 05</p> <p>3. Availability of updated Stock Registers: Yes</p> <p>4. Adoption of safety measures in the Department: Yes</p> | |
| 6 | <p>Report on Faculty Improvement/Enrichment Programmes:</p> <p>a. FDP /STTP/Workshops/Seminars organized by the Department: 02</p> <p>b. Conferences organized by the Department: Nil</p> <p>c. FDP /STTP/Workshops/Seminars attended by the faculty: 33</p> <p>d. Conferences attended by the Faculty: 02</p> | |
| 7 | <p>a. Report on research Publications:</p> <p>i. No. of Publications in Journals</p> <ul style="list-style-type: none"> • International : 02 • National: 00 <p>ii. No. of publications in Conferences</p> <ul style="list-style-type: none"> • National : 00 • International: 02 <p>iii. No. of books/articles/book chapters</p> <ul style="list-style-type: none"> • International : Nil • National: Nil • Regional: Nil <p>b. Report on Patents/copyrights/Industrial Designs:</p> <p>(i) Published: 01</p> <p>(ii) Granted: 01</p> | |



| | | | | | |
|----|--|----------------------------------|-------------------------------------|------------------------------------|------------------|
| | (a) Report on Ongoing Research/Sponsored Research Project Details: | | | | |
| | Title | Name of PI and Co-PI | Funding Agency | Amount in Rs. | Status |
| | BRIDC | Dr. BHARATH P B (PI) | Karnataka Bio Diesel Board | 5,30,000.00 | Ongoing |
| | | Prof. PRABHUSWAMY G S (Co-PI) | | | |
| | Any Other relevant information | | | | |
| | (b) Report on Consultancy Details: | | | | |
| 8 | Name of Faculty (Chief Consultant) | Client Organization | Title of Consultancy Project | Amount Received (in Rupees) | |
| | | | | | |
| | | | | | |
| | Any Other relevant information _____ | | | | |
| 9 | Report on Student Projects and their outcomes in terms of publications/ IPR | | | | |
| | a) UG - NIL | | | | |
| | b) PG - NIL | | | | |
| 11 | Report on MoU's and Ongoing /Completed Activities | | | | Available |
| 12 | Report on Library, Internet & other facilities: | | | | |
| | (a) Library and Information Centre-Central library (Furnish Programme-wise Details): | | | | |
| | (i) Number of Titles: _____ | | | | |
| | (ii) Total volumes of Books: _____ | | | | |
| | (iii) Number of Journals: _____ | | | | |
| | (iv) Online Journals Subscriptions: _____ | | | | |



| | | | |
|----|---|--|--|
| | <p>(v) Online e-books Subscriptions: _____</p> <p>(vi) Any other item: _____</p> <p>(b) Department Library:</p> <p>(i) Number of Titles: <u>588</u></p> <p>(ii) Total volumes of Books: <u>1583</u></p> <p>Internet Connectivity: 200 mbps broad band internet service (rail ware)</p> | | |
| 13 | <p>Report on Placement, Internship and Training activities:</p> <p>(a) Placement Activities:</p> <p>(i) Number of companies Visited: 01</p> <p>(ii) Number of Students Placed: 02</p> <p>(iii) Highest Salary offered: 3L</p> <p>(iv) Average salary offered: 3L</p> <p>(v) Median Salary offered: 3L</p> <p>(b) Internship Activities:</p> <p>(i) Number of Organizations offered Internships: 01</p> <p>(ii) Number of Students carried out Internships: 25</p> <p>(iii) Number of Internships carried out with stipend: Nil</p> <p>Total Number of Internships: 02</p> <p>(iv) Highest Stipend offered: NA</p> <p>(c) Report on Training Activities/coding school activities/soft skills conducted for your Department students by Career Development Centre/your Department:</p> <p style="text-align: center;">“Short term Programme on Mechanical Software’s (CATIA, Solid edge AutoCAD)”</p> | | |
| 14 | <p>(a) Report on overall Results (UG)</p> <p>(i) Overall Pass Percentage <u>45.24%</u></p> | | |

(ii) Percentage of Distinctions 25%(iii) Percentage of First Classes 42.10%

Note : Report on CO and PO attainments are to be evidenced

(b) Report on Semester wise results (UG)I. Semester Pass % 10%II. Semester Pass % 33.33%III. Semester Pass % 6.66%IV. Semester Pass % 7.14%V. Semester Pass % 23.33%VI. Semester Pass % 26.66%VII. Semester Pass % 86.66%VIII. Semester Pass % 96.66%Number of Students discontinued from the program: Nil**(c) Report on overall Results (PG Programs: M. Tech/MBA)**(i) Overall Pass Percentage: 0%(ii) Percentage of Distinctions: 0%(iii) Percentage of First Classes 0%**Note:** Report on CO and PO attainments are to be evidenced - **Available****(d) Report on Semester wise results (PG Programs: M. Tech/MBA)**I Semester Pass % 0%II Semester Pass % 0%III Semester Pass % 100%IV Semester Pass % 0%Number of Students discontinued the program: 01

| | | |
|----|---|-----|
| 15 | Report on Co-Curricular and Extra-Curricular Activities(with evidences) | Yes |
|----|---|-----|



| 16 | <p>(a) Report on Stakeholder's feedback</p> <p>Evidences of Feedback reports and action proposed /taken for</p> <p>(i) Program exit survey – Yes (ii) Course exit survey – Yes (iii) Alumni – Yes (iv) Employers – Yes (v) Parents – Yes</p> <p>(b) Evidences of Feedback reports on the Faculty and action proposed/taken reports : Available</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--|-------------------|------------------|-------------------|------------------|----|--|-------|-------|----|-------------------------------|-------|--------|---|------------------------------|-------|-------|---|-------------------|-------|-------|---|---------------------------------|-------|--------|---|-----------------------|-------|--------|---|-------------------|-------|-------|---|-----------------------------|--------|-------|---|-----------------|--------|--------|----|-----------|-------|-------|----|------------------|-------|-------|----|---------|--------|-------|----|--------------|--------|-------|----|------------|-------|-------|--|--|
| 17 | <p>Report on Minutes of meetings and also on action taken/initiated respectively</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | <p>Report on Student mentoring and counseling process with evidences: Available</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | <p>Report on Infrastructural Details of the Department :</p> <p>(a) Class rooms/Tutorial rooms/Drawing Halls/Laboratories/Department Library/ HoD Office/Faculty rooms/seminar halls/waiting halls etc.</p> <table border="1" data-bbox="225 1245 1350 1933"> <thead> <tr> <th>Sl. No</th> <th>Description</th> <th>Hall/Room Numbers</th> <th>Area (in Sq.mts)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Mechanical Measurements & Metallurgy Lab</td> <td>MEL-1</td> <td>82.00</td> </tr> <tr> <td>2.</td> <td>Foundry & Forging Lab -I & II</td> <td>MEL-2</td> <td>198.38</td> </tr> <tr> <td>3</td> <td>Energy Conversion Laboratory</td> <td>MEL-3</td> <td>70.00</td> </tr> <tr> <td>4</td> <td>Design Laboratory</td> <td>MEL-6</td> <td>70.00</td> </tr> <tr> <td>5</td> <td>Heat & Mass Transfer Laboratory</td> <td>MEL-7</td> <td>105.30</td> </tr> <tr> <td>6</td> <td>Machine Shop – I & II</td> <td>MEL-8</td> <td>383.00</td> </tr> <tr> <td>7</td> <td>Workshop Practice</td> <td>MEL-9</td> <td>70.00</td> </tr> <tr> <td>8</td> <td>CAMA / CIM & Automation Lab</td> <td>MEL-10</td> <td>70.00</td> </tr> <tr> <td>9</td> <td>CAED / CAMD Lab</td> <td>MEL-11</td> <td>150.00</td> </tr> <tr> <td>10</td> <td>Classroom</td> <td>MLH-1</td> <td>79.55</td> </tr> <tr> <td>11</td> <td>General Workshop</td> <td>GWS-1</td> <td>90.30</td> </tr> <tr> <td>12</td> <td>Library</td> <td>LIBR-1</td> <td>48.64</td> </tr> <tr> <td>13</td> <td>Seminar hall</td> <td>SEMH-1</td> <td>45.00</td> </tr> <tr> <td>14</td> <td>HOD Office</td> <td>HO -1</td> <td>18.70</td> </tr> </tbody> </table> | Sl. No | Description | Hall/Room Numbers | Area (in Sq.mts) | 1. | Mechanical Measurements & Metallurgy Lab | MEL-1 | 82.00 | 2. | Foundry & Forging Lab -I & II | MEL-2 | 198.38 | 3 | Energy Conversion Laboratory | MEL-3 | 70.00 | 4 | Design Laboratory | MEL-6 | 70.00 | 5 | Heat & Mass Transfer Laboratory | MEL-7 | 105.30 | 6 | Machine Shop – I & II | MEL-8 | 383.00 | 7 | Workshop Practice | MEL-9 | 70.00 | 8 | CAMA / CIM & Automation Lab | MEL-10 | 70.00 | 9 | CAED / CAMD Lab | MEL-11 | 150.00 | 10 | Classroom | MLH-1 | 79.55 | 11 | General Workshop | GWS-1 | 90.30 | 12 | Library | LIBR-1 | 48.64 | 13 | Seminar hall | SEMH-1 | 45.00 | 14 | HOD Office | HO -1 | 18.70 | | |
| Sl. No | Description | Hall/Room Numbers | Area (in Sq.mts) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Mechanical Measurements & Metallurgy Lab | MEL-1 | 82.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Foundry & Forging Lab -I & II | MEL-2 | 198.38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Energy Conversion Laboratory | MEL-3 | 70.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Design Laboratory | MEL-6 | 70.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Heat & Mass Transfer Laboratory | MEL-7 | 105.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Machine Shop – I & II | MEL-8 | 383.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Workshop Practice | MEL-9 | 70.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | CAMA / CIM & Automation Lab | MEL-10 | 70.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | CAED / CAMD Lab | MEL-11 | 150.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Classroom | MLH-1 | 79.55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | General Workshop | GWS-1 | 90.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Library | LIBR-1 | 48.64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Seminar hall | SEMH-1 | 45.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | HOD Office | HO -1 | 18.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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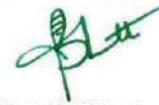
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| | | | |
|--|------------------|--------|--------|
| 10 | Classroom | MLH-1 | 79.55 |
| 11 | General Workshop | GWS-1 | 90.30 |
| 12 | Library | LIBR-1 | 48.64 |
| 13 | Seminar hall | SEMH-1 | 137.75 |
| 14 | HOD Office | HO -1 | 18.70 |
| (b) Number of LCD Projectors/Digital Boards available in class rooms/seminar Halls/ Laboratories <u>04</u> . | | | |
| (c) Information on any other Teaching Aids: SMART INTERACTIVE BOARD | | | |


Signature of HOD

PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGG.
S J M INSTITUTE OF TECHNOLOGY
CHITRADURGA-577502



(IQAC Chairman)
SJMIT, Chitradurga

PRINCIPAL
S.J.M.I.T., Chitradurga

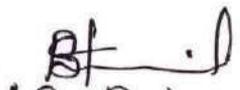

(IQAC Coordinator)
SJMIT, Chitradurga

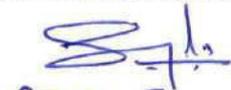
Coordinator
Internal Quality Assurance Cell (IQAC)
SJMIT Chitradurga

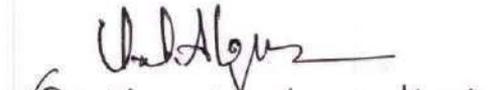
Observations:

- 1) Workshop and seminars are recommended to be conducted at least one per semester.
- 2) Publish atleast one research paper per year. is recommended to every faculty.

(Member-Academic Audit Committee)


(Dr. Poojnima H.)
Asst. Prof. Dept. of CS&E,
BITM Ballari


(Dr. Sumangala B.)
Amoc-Prof & Head
Dept. of Mathematics
RYMEC, Ballari


(Dr. Veerabhadappa Agre)
Co-ordinator
Internal Quality Assurance Cell
R.Y.M. Engineering College
Cantonment, Ballari-583104



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Action taken report for Academic & Administrative Audit (AAA)

The **Academic & Administrative Audit (AAA)** has been conducted in the Institution by External Audit committee for the academic year 2021-22. The details of the report and action taken by the IQAC are as given below .The report is also submitted to the Institutional Governing council for the approval.

| Sl.No. | Academic & Administrative Audit Committee's observations | Action Taken by IQAC |
|--------|--|--|
| 1 | Workshops and Seminars are recommended to be conducted at least one per semester | Instructed to all HOD and to organize minimum one workshop and Seminar on relevant area |
| 2 | Publish at least one research paper per year is recommended to every faculty. | Instructed to all HOD and faculties publish their research work in the reputed Journal at least one per semester |

Enclosed: Report of the Academic & Administrative Audit


Coordinator
Internal Quality Assurance Cell (IQAC)
SJMIT Chitradurga


PRINCIPAL
S.J.M.I.T., Chitradurga