

AICTE – MANDATORY DISCLOSURE –

The following information shall be given in the information Brochure besides being hosted on the Institution's official Website.

The onus of the authenticity of the information lies with the Institution ONLY and not on AICTE.

1. Name of the Institution

Address including Telephone, Mobile, E-Mail

Mayurbhanj School of Engineering

Address including telephone, e-mail:

At- Laxmiposi, Po-Baripada,

Dist- Mayurbhanj, State- Odisha,

Pin - 757107

Tel. No.: 06792 278148,

E-mail: msebaripada@gmail.com

2. Name and address of the Society and the Trustees

Address including Telephone, Mobile, E-Mail

Members of the Board and their Background:

- | | | | |
|----|-----------------|-----------------------------|------------------------------------|
| 1. | Sri K Soren | Chairman | Social Worker, Ex-MLA |
| 2. | Sri P C Bugudai | Founder | Notable Social Worker, Academician |
| 3. | Sri Dinakrushna | Member | Social Worker |
| 4. | Sri A P Das | Member | Educationalist |
| 5. | Er. B B Bugudai | Member | Engineer, Industrial Expert |
| 6. | Sri B Parida | Member | Advocate |
| 7. | Er. D Bugudai | Principal-Member Secretary, | |

Frequency of meetings & date of last meeting: 4 meeting in a year

3. Name and Address of the Principal

Address including Telephone, Mobile, E-Mail

Er. Dharamveer Bugudai

At- Laxmiposi, Po- Baripada,

Dist - Mayurbhanj, State- Odisha,

Pin - 757107

Tel. No.: 06792 278148, Mobile No.: 94371 88959

e-mail: dbugudai@gmail.com

4. Name of the affiliating University

STATE COUNCIL FOR TECHNICAL EDUCATION & VOCATIONAL TRAINING,
ODISHA, BHUBANESWAR, Near Raj Bhaban, Unit-8, Bhubaneswar- 751012,
Phone No: 0674 2393726, Fax: 0674 2394726

5. **Governance**

Members of the Board and their brief background

As listed above.

Members of Academic Advisory Body

All Heads of Departments and Sr. Faculties

Frequently of the Board Meeting and Academic Advisory Body

As per institutional guidelines

Organizational chart and processes

Management – Principal – HOD – Lecturer – Lab Asst – Office Staffs – Peons

Nature and Extent of involvement of Faculty and students in academic affairs/improvements

MSE believes in team work. MSE believes that faculty and staff are the backbone of the institute and that its success depends on the quality of human resources. All faculties are sincere and dedicated towards institutional development and they play a stellar role in academics strengthening works.

Mechanism/ Norms and Procedure for democratic / good Governance

As a part of good governance and in order to provide standard facilities to students all efforts are taken and views/suggestions of stake holders are considered.

Student Feedback on Institutional Governance/ Faculty performance

Students & Parents feedback are regularly collected and analyzed and if necessary corrective actions are taken as deemed fit. Details available in the institutional website www.msebaripada.org

Grievance Redressal mechanism for Faculty, staff and students

Yes it's available.

Establishment of Anti Ragging Committee

Yes constituted and it's functioning.

Establishment of Online Grievance Redressal Mechanism

Yes constituted and it's functioning. Online software facility is available.

Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University

Establishment of Internal Complaint Committee (ICC)

Yes constituted and it's functioning.

Establishment of Committee for SC / ST

Yes constituted and it's functioning.

Internal Quality Assurance Cell

Yes constituted and it's functioning.

Details others supporting documents attached

6. Programmes

Name of Programmes approved by AICTE

Diploma Engineering

Name of Programmes Accredited by AICTE: Not Available

Status of Accreditation of the Courses:

- Total number of Courses
- No. of Courses for which applied for Accreditation
- Status of Accreditation – Preliminary/ Applied for SAR and results awaited/ Applied for SAR and visits completed/ Results of the visits awaited/ Rejected/ Approved for Courses

Not Available / Not Applicable

For each Programme the following details are to be given:

- Name: **Electrical Engineering**
- Number of seats: 120 seats
- Duration: 3 years for Fresh and 2 years for Lateral Entry students
- Cut off marks/rank of admission during the last three years: Data available in <https://samsodisha.gov.in/>
- Fee: Govt. approved course fees
- Placement Facilities: Training & Placement cell is functioning.
- Campus placement in last three years with minimum salary, maximum salary and average salary
Min. salary Rs.10000/-, Max. salary Rs.15000/- , Avg. Salary Rs. 13000/- Per Month

For each Programme the following details are to be given:

- Name: **Mechanical Engineering**
- Number of seats: 180 seats
- Duration: 3 years for Fresh and 2 years for Lateral Entry students
- Cut off marks/rank of admission during the last three years: Data available in <https://samsodisha.gov.in/>
- Fee: Govt. approved course fees
- Placement Facilities: Training & Placement cell is functioning.
- Campus placement in last three years with minimum salary, maximum salary and average salary
Min. salary Rs.12000/-, Max. salary Rs.17000/- , Avg. Salary Rs. 14000/- Per Month

For each Programme the following details are to be given:

- Name: **Civil Engineering**
- Number of seats: 60 seats
- Duration: 3 years for Fresh and 2 years for Lateral Entry students
- Cut off marks/rank of admission during the last three years: Data available in <https://samsodisha.gov.in/>
- Fee: Govt. approved course fees
- Placement Facilities: Training & Placement cell is functioning.
- Campus placement in last three years with minimum salary, maximum salary and average salary
Min. salary Rs.10000/-, Max. salary Rs.15000/- , Avg. Salary Rs. 13000/- Per Month

For each Programme the following details are to be given:

- Name: **Automobile Engineering**
- Number of seats: 60 seats
- Duration: 3 years for Fresh and 2 years for Lateral Entry students

- Cut off marks/rank of admission during the last three years
- Fee: Govt. approved course fees
- Placement Facilities: Training & Placement cell is functioning.
- Campus placement in last three years with minimum salary, maximum salary and average salary
Min. salary Rs.10000/-, Max. salary Rs.15000/- , Avg. Salary Rs. 13000/- Per Month

For each Programme the following details are to be given:

- Name: **Electronics & Telecommunications Engineering**
- Number of seats: 60 seats
- Duration: 3 years for Fresh and 2 years for Lateral Entry students
- Cut off marks/rank of admission during the last three years: Data available in <https://samsodisha.gov.in/>
- Fee: Govt. approved course fees
- Placement Facilities: Training & Placement cell is functioning.
- Campus placement in last three years with minimum salary, maximum salary and average salary
Min. salary Rs.10000/-, Max. salary Rs.15000/- , Avg. Salary Rs. 13000/- Per Month

- Name and duration of programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details:

Details of the Foreign University

- Name of the University
- Address
- Website
- Accreditation status of the University in its Home Country
- Ranking of the University in the Home Country
- Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency Which has approved equivalence? If no, implications for students in terms of pursuit of higher Studies in India and abroad and job both within and outside the country
- Nature of Collaboration
- Conditions of Collaboration
- Complete details of payment a student has to make to get the full benefit of Collaboration
- For each Programme Collaborated provide the following:
 - Programme Focus
 - Number of seats
 - Admission Procedure
 - Fee
 - Placement Facility
 - Placement Records for last three years with minimum salary, maximum salary and average salary
 - Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/Foreign University has applied to AICTE for approval

Not Available / Not Applicable

7. **Faculty**

- Branch wise list Faculty members: As per List Enclosed. Details available in the institutional website www.msebaripada.org
- Permanent Faculty: As per List Enclosed
- Adjunct Faculty:
- Permanent Faculty: 25 : 1 Student Ratio
- Number of Faculty employed and left during the last three years:

8. Profile of Principal

For each Faculty give a page covering with Passport size photograph

- i. Name
- ii. Date of Birth
- iii. Unique id
- iv. Education Qualifications
- v. Work Experience
 - Teaching
 - Research
 - Industry
 - others
- vi. Area of Specialization
- vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level
- viii. Research guidance
 - No. of papers published in National/ International Journals/ Conferences
 - Master
 - Ph.D.
- ix. Projects Carried out
- x. Patents
- xi. Technology Transfer
- xii. Research Publications
- xiii. No. of Books published with details



PRINCIPAL: Er. Dharamveer Bugudai received his M.Tech in Manufacturing Engineering (in 2004) and B.E in Mechanical Engineering (in 2000). He has about 18 years of diversified experience - Teaching and Administrative experience at MSE, Baripada.

He is being actively engaged in this institute since 2000. That during his tenure, he ably handled major responsibilities that include teaching, examination, administration, training & placement activity and overall development works by all necessary means. His areas of interest and research include Manufacturing Technology, Machine Design, Theory of Machines subjects etc. He has published 4 no. of technical articles/ papers in the proceedings of International Conference and National Seminars. He is a professional Member of ISTE (Indian Society for Technical Education), Associate member of AIMA (All India Management Association), Member of Indian Institute of Plant Engineers, Associate Member of the Institution of Engineers (IEI), India, and Member of American Society for Metals (ASM).

Profile of all Faculties: List Attached. Details available in the institutional website www.msebaripada.org

9. Fee

- Details of fee, as approved by State Fee Committee, for the Institution: Copy Attached
- Time schedule for payment of fee for the entire programme: During the sem. Exam time
- No. of Fee waivers granted with amount and name of students: List attached
- Number of scholarship offered by the Institution, duration and amount: Merit Scholarship
- Criteria for fee waivers/scholarship: As per applicable norms
- Estimated cost of Boarding and Lodging in Hostels: Rs. 6000/- per annum

10. Admission

- Number of seats sanctioned with the year of approval: 480 seats
- Number of Students admitted under various categories each year in the last three years
List Attached

2019

BRANCH	GEN	SC	ST	TFW	MINORITY	TOTAL
CIVIL	38	10	41	06	01	96
ELECTRICAL	71	06	37	06	01	121
MECHANICAL	60	14	44	06	---	124
ETC	11	06	41	03	---	61
AUTOMOBILE	13	07	37	03	---	60
TOTAL	193	43	200	24	02	462

2020

BRANCH	GEN	SC	ST	TFW/EWS	MINORITY	TOTAL
CIVIL	20	07	33	03	---	63
ELECTRICAL	55	07	47	07	---	116
MECHANICAL	87	10	64	09	03	173
ETC	04	06	49	03	---	62
AUTOMOBILE	05	05	50	03	---	63
TOTAL	171	35	243	25	03	477

2021

BRANCH	GEN	SC	ST	TFW/EWS	MINORITY	TOTAL
CIVIL	16	06	38	03	---	63
ELECTRICAL	59	08	52	07	01	127
MECHANICAL	87	10	80	11	03	191
ETC	05	09	46	03	---	63
AUTOMOBILE	---	06	53	03	---	62
TOTAL	167	39	269	27	04	506

- Number of applications received during last two years for admission under Management Quota and number admitted: Not applicable

11. Admission Procedure

(Data available in <https://samsodisha.gov.in/>)

- Mention the admission test being followed, name and address of the Test Agency and its URL (website): Strictly as per Govt. of Odisha guidelines and its website
- Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test)
- Calendar for admission against Management/vacant seats:
- Last date of request for applications: As per Govt. notification
- Last date of submission of applications: As per Govt. notification
- Dates for announcing final results: As per Govt. notification
- Release of admission list (main list and waiting list shall be announced on the same day)
- Date for acceptance by the candidate (time given shall in no case be less than 15 days)
- Last date for closing of admission: As per Govt. notification
- Starting of the Academic session: As per Govt. notification
- The waiting list shall be activated only on the expiry of date of main list
- The policy of refund of the fee, in case of withdrawal, shall be clearly notified

12. Criteria and Weightages for Admission

- Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying Examination etc.
- Mention the minimum level of acceptance, if any
- Mention the cut-off levels of percentage and percentile score of the candidates in the admission test for the last three years
- Display marks scored in Test etc. and in aggregate for all candidates who were admitted

Strictly as per Govt. of Odisha guidelines and its website

ELIGIBILITY CRITERIA

FOR ADMISSION TO 1ST SEMESTER (3 years course) DIPLOMA IN ENGINEERING / TECHNOLOGY:

Pass in HSC examination conducted by BSE, Odisha / 10th standard examination declared equivalent by BSE, Odisha and obtained at least 35 % marks in aggregate, securing 30% marks in each subject at the qualifying examination with English, Math & Science subjects

Age limit - Lower age 14 years and Upper age – No limit

- **FOR ADMISSION TO 3RD SEMESTER (2 years course) LATERAL ADMISSION, DIPLOMA IN ENGINEERING / TECHNOLOGY:**

Pass in +2 Science Examination from CHSE, Odisha or its equivalent examination with PCM / +2 vocational (2 years course) in any Engineering Trades / 2 years ITI in Engineering Trade / COE Trade with pass in HSC examination conducted by BSE, Odisha/ 10th standard examination declared equivalent by BSE, Odisha securing 30% marks in each subject at the qualifying examination.

Age limit – Lower age 14 years and Upper age – No limit

13. List of Applicants

- List of candidate whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats

Not Applicable

14. Results of Admission under Management seats/Vacant seats

- Composition of selection team for admission under Management Quota with the brief profile of Members (This information be made available in the public domain after the admission process is over)
- Score of the individual candidate admitted arranged in order or merit
- List of candidate who have been offered admission
- Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate
- List of the candidate who joined within the date, vacancy position in each category before operation of waiting list

Not Applicable

15. Information of Infrastructure and Other Resources Available

- Number of Class Rooms and size of each: Details enclosed. As per AICTE Norms
- Number of Tutorial rooms and size of each: Details enclosed. As per AICTE Norms
- Number of Laboratories and size of each: Details enclosed. As per AICTE Norms
- Number of Drawing Halls with capacity of each: Details enclosed. As per AICTE Norms
- Number of Computer Centers with capacity of each: Details enclosed.
- Central Examination Facility, Number of rooms and capacity of each: Details enclosed.
- Barrier Free Built Environment for disabled and elderly persons: Details enclosed.
- Occupancy Certificate: Yes available
- Fire and Safety Certificate: Yes available
- Hostel Facilities: Yes available

Library

- Number of Library books/ Titles/ Journals available (program-wise): As per AICTE Norms
- List of online National/ International Journals subscribed: As per AICTE Norms
- E- Library facilities: Registered with National Digital Library. Multimedia facility available. MOU signed with DELNET, New Delhi.

Laboratory and Workshop

- List of Major Equipment/Facilities in each Laboratory/ Workshop: Details enclosed.
- List of Experimental Setup in each Laboratory/ Workshop

Computing Facilities

- Internet Bandwidth: 100 MBPS BSNL Broadband leased line and 200 MBPS RailTel
- Number and configuration of System: As per AICTE Norms
- Total number of system connected by LAN: All PCs As per AICTE Norms
- Total number of system connected by WAN
- Major software packages available: As per AICTE Norms
- Special purpose facilities available
- Innovation Cell:
- Social Media Cell: Yes available
- Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments

List of facilities available

Games and Sports Facilities: The Engineering Curriculum demands dedicated and sustained efforts from every student. As a result, our students remain busy with their studies throughout the year. Nevertheless, realizing the importance of the sports and games in the overall development of the students, we have tried our best to provide sports & games facilities to them as much as we could.

The institution arranges games and sports events annually in various events usually in the Winter season. Last session annual sports events were 100, 200 m race 400 m relay race, long jump, high jump, slow cycle race, short put, volley ball, cricket, fast – slow walking as well as Jhoti competition. Further that student of MSE observes all national days of importance and cultural Puja celebrations in the camps with pump and show. Extensive and well laid out fields for sports and games are available in the campus for the students, Badminton courts, Cricket Pitch, Volleyball courts etc. facilities are available for the students. Arrangements will also be made in the current year for practice in meditation and logic exercises so that students can cope up with stresses and maintain excellent health.

- Extra-Curricular Activities
- Soft Skill Development Facilities: Yes available

Teaching Learning Process

- Curricula and syllabus for each of the programmes as approved by the University
- Academic Calendar of the University: SCTE&VT Notification attached.
- Academic Time Table with the name of the Faculty members handling the Course
- Teaching Load of each Faculty:
- Internal Continuous Evaluation System and place: Yes available
- Student's assessment of Faculty, System in place: Yes available

For each Post Graduate Courses give the following:

- Title of the Course
- Curricula and Syllabi
- Laboratory facilities exclusive to the Post Graduate Course

Special Purpose

- Software, all design tools in case
- Academic Calendar and frame work

16. Enrollment of students in the last 3 years: List attached

17. List of Research Projects/ Consultancy Works

- Number of Projects carried out, funding agency, Grant received
- Publications (if any) out of research in last three years out of masters projects
- Industry Linkage
- MoUs with Industries (Minimum 3)

18. LoA and subsequent EoA till the current Academic Year: Attached. Available in the website.

19. Accounted audited statement for the last three years

20. Best Practices adopted, if any: Copy attached.

- a) Student centric approach
- b) Doubt clearing classes
- c) Use of e-contents in the classrooms
- d) Making of Technical Projects for skill enhancement
- e) Mentoring – Guiding and proper counseling with students

Note: Suppression and/or misrepresentation of information shall invite appropriate penal action.

The Website shall be dynamically updated with regard to Mandatory Disclosures

The following pattern shall be used for uploading the accreditation status of NBA, NAAC etc. under mandatory disclosure:

NBA Accreditation Status		
1	Name/ List of Programmes/ Courses Accredited	List of NBA accredited programmes / courses may be shown with Accreditation letters/ duration of accreditation (3 year / 6 year).
2	Applied for Accreditation	List to be shown
	A. Applied but Visit not happened	
	B. Visit happened but result awaited	
3	List of programmes/ <u>courses Not Applied</u>	<u>List of programmes/ courses may be shown</u> 1. Mechanical Engineering 2. Electrical Engineering 3. Civil Engineering 4. Automobile Engineering 5. Electronics & Tc Engineering

NAAC Accreditation Status		
1	Accredited	Accreditation grade may be shown
2	Applied for Accreditation	
	A. Applied but Visit not happened	
	B. Visit happened but result awaited	
3	Not Applied	<u>Not Applied</u>



DD (TT)

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**GOVERNMENT OF ODISHA
SKILL DEVELOPMENT AND TECHNICAL EDUCATION DEPARTMENT**

NOTIFICATION

No. II-Poly-24/2017 ²⁹²⁷ /SDTE., Bhubaneswar, dated 25/6/18

Sub:- Fixation of Fee Structure of the Private Diploma Engineering Institutions.

In exercise of power conferred on Government under Sub-section-7 of Section-6 and other provisions of the Odisha Professional Educational Institutions (Regulation of Admission & Fixation of Fee) Act, 2007 and in pursuance to the recommendations of the Fee Structure Committee in its meeting held on 19.07.2017 and 03.05.2018, the Government have been pleased to prescribe the following Fee Structure of the Private Diploma Engineering Institutions with effect from academic session 2018-19.

Sl. No.	Name of Private Diploma Engg. Institutions	Prescribed Fee Structure from the academic session 2018-19
1.	Badriprasad Institute Of Technology, Majhipali, Sambalpur-768200	Rs.30,000/-
2.	C.V.Raman, Polytechnic, Bidyanagar, Mahura, Janla, Bhubaneswar-752054	Rs.35,000/-
3.	DRIEMS Polytechnic, Kairapari(Tangi) Kotshai, Cuttack-754022	Rs.34,000/-
4.	Ganesh Institute Of Engineering & Technology (Polytechnic), Andharua, Bhubaneswar.	Rs.33,000/-
5.	KIIT Polytechnic, Kolab Campus, KIIT, Bhubaneswar-751024	Rs.35,000/-
6.	Nilachal Polytechnic, Near Sikharchandi Temple & Infocity, Pathragadia, Bhubaneswar	Rs.35,000/-
7.	Purnachandra Institute Of Engineering & Technology, Chhendipada, Angul.	Rs.30,000/-

Sl. No.	Name of Private Diploma Engg. Institutions	Prescribed Fee Structure from the academic session 2018-19
8.	Padamashree Kurtartha Acharya Institute Of Engineering & Technology, At-Chakarkend, Po/Dist-Baragarh, Odisha-768028	Rs.33,000/-
9.	Rourkela Institute Of Technology, At-IDC, Sector-B, Kalunga Industrial Estate, Po-Kalunga-31, Sundargarh-770031	Rs.30,000/-
10.	Suddhananda Residential Polytechnic, Nachhipur, Cuttack.	Rs.35,000/-
11.	Sundargarh Engineering School Sundargarh, Kirei, Sundargarh	Rs.30,000/-
12.	Zenith Institute Of Science & Technology, Pitapally, Nh-5 Bhubaneswar, Khurda.	Rs.30,000/-
13.	Aumsai Institute Of Technical Education, Narayanpur, Berhampur, Ganjam-761002,	Rs.30,000/-
14.	Gandhi School Of Engineering, Chidananda Hills, At-Bhabandha, Po- Bhatakumarada Berhmapur-761003	Rs.30,000/-
15.	Aryan Institute Of Engineering & Technology, Vidyavihar, Sundargram, Cuttack-754002	Rs.30,000/-
16.	Holy Institute Of Technology, Gobindpur, Ganjam.	Rs.30,000/-
17.	Synergy Polytechnic, Bhubaneswar	Rs.26,000/-
18.	Other private Diploma Institutions	Rs.25,800/-

Further, Government have been pleased to fix the fee structure for 2nd shift Diploma courses and part time Diploma courses from the Academic Session 2018-19 at 20% less than the fee fixed for Diploma Engineering Courses as per Govt. Notification No.4137/ETET dated 15.07.2014.

Besides, Government have also been pleased to prescribe the following maximum limit of optional cost to be collected with effect from academic session 2018-19 as detailed below.

Sl. No.	Component	Prescribed optional fee structure for Diploma Institutions from the Academic Session 2018-19.
1.	Hostel cost for all courses	Rs.22,000.00 per year per student(own hostel)
		Rs.13,200.00 per year per student(rented hostel)
2.	Transportation cost	Rs. 8,800.00 upto 20 Kms. per year per student
		Rs. 13,200.00 for more than 20 Kms. per year per student
3.	Caution Money	Rs. 500.00 (One time refundable)

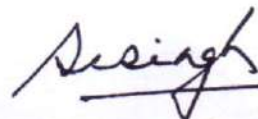
Institutions shall not be allowed to charge any other fee in whatever name other than the Fee Structure prescribed above.

The revised fee structure will be applicable to the SCTE&VT affiliated Private Diploma Institutions only. Any clarification in the above Fee Structure fixed by the Government, if so necessary, the decision of Government in Skill Development and Technical Education Department is final and binding.

ORDER

Ordered that Notification be published in the extraordinary issue of the Odisha Gazette for general information and copies be forwarded to all the Departments of the Government and placed in the website of SD&TE Department.

By Order of Governor


(S.K. Singh)

Commissioner-cum-Secretary to Government

Memo No. 2928 / SDTE, Bhubaneswar, Dated 25/6/18

Copy along with soft copy in CD forwarded to the Secretariat Gazette Cell (Odisha Secretariat), Commerce and Transport Department, for information and necessary action.

They are requested to publish the Notification in an extraordinary issue of the Odisha Gazette and supply fifty (50) copies of same to this Department.

Memo No. 2929 / SDTE, Bhubaneswar, Dated 25/6/18

Copy forwarded to the Director, Employment & State Employment Mission, Odisha, Bhubaneswar/ Director, Technical Education & Training, Odisha, Cuttack/ Accountant General(A&E), Odisha, Bhubaneswar/ Deputy Accountant General, Puri/ Principals of all Govt. Engineering Schools/ Polytechnics & ITIs for information and necessary action.

Memo No. 2930 / SDTE., Bhubaneswar, Dated 25/6/18

Copy forwarded to the Chairman Fee Structure Committee/ All members of Fee Structure Committee / All Departments of Govt. for information and necessary action.

Memo No. 2931 / SDTE., Bhubaneswar, Dated 25/6/18

Copy forwarded to the Member Secretary, FSC, O/o the DTE&T, Odisha, Cuttack for information and necessary action at his end.

Memo No. 2932 / SDTE., Bhubaneswar, Dated 25/6/18

Copy forwarded to Director, Technical Education & Training, Odisha, Cuttack/ O/o of the Chief Secretary, Odisha for information and necessary action.

Memo No. 2933 / SDTE., Bhubaneswar, Dated 25/6/18

Copy forwarded to the President/ Secretary, Odisha Private Engineering Schools Association for information and necessary action. He is requested to intimate the member Institutions to follow the Fee Structure prescribed by the Government in letter and spirit.

Memo No. 2934 / SDTE., Bhubaneswar, Dated 25/6/18

Copy forwarded to the Portal Head, E&IT Department for information and necessary action. He is requested to release the above Fee Structure in the web-site of SD&TE Department for general information.

FACULTIES LIST OF MSE, BARIPADA

Er. DHARAMVEER BUGUDAI

Principal

AICTE Faculty Id: 1-466598412

Academic Qualification: B. E (Mechanical Engineering), M. Tech (Manufacturing Engineering)

Specialized Subjects: Theory of Machine (TOM), Machine Design, Manufacturing Technology

Experience: 20 years 9 months 20 days





Professional Membership:






- i) Life Member of the “Indian Society for Technical Education” (ISTE), New Delhi.
- ii) Member of the “All India Management Association” (AIMA), New Delhi.
- iii) Member of the “Indian Institute of Plant Engineers” (IIPE), Chennai.
- iv) Fellow Member of “The Institution of Engineers” (IEI), India.
- v) Member of ASM International, The Materials Information Society, USA.
- vi) Member of the “North Orissa Chamber of Commerce & Industry” (NOCCI), Balasore


List of Publications:





- i) “Metallurgical life cycle assessment through prediction of wear for automotive components made of light Metal Matrix Composites” published in the proceedings of International Conference of Industrial Tribology ‘Dec 15-18, 2004 Mumbai, jointly organized by the Tribology Society of India. IOC Ltd, BPCL, HPCL & L&T.
- ii) “Role of NDE in modern maintenance management”, published in the National Seminar (NDE-2005), jointly organized by IACR engineering college, Raygada and ISTE, Orissa.
- iii) “Areas for consideration in the CIM adoption decision: A review of barriers and challenges to the implementation of CIM in manufacturing companies”, published in All India National Seminar (RAMT-2005); jointly organized by NIT Roukela and the Institution of Engineers (India).











Sr. No.	AICTE Faculty Unique ID	Name of the Faculty	PHOTO	Branch / Department	Designation	Academic Qualifications	Professional Membership & Papers Published
1	1-466657335	ER. BINOD CHANDRA MOHANTA		MECHANICAL ENGINEERING	DEAN	AMIE (Mechanical)	
2	1-466657153	ER. SOURIN MOHANTY		AUTOMOBILE ENGINEERING	HOD	B Tech (Mech)	1.Society of Automotive Engineer(SAE) 2. Institution of Engineers India(IEI) 3. Indian Society for Technical Education(ISTE) 4. Quality Council of India(QCI)
3	1-2939468252	ER. BALADHARA JENA		AUTOMOBILE ENGINEERING	ASST. HOD	Diploma(Mech) B Tech (Mech)	
4	1-2054992123	ER. SIDHARTH KUMAR MOHANTA		AUTOMOBILE ENGINEERING	LECTURER	Diploma (Auto), B Tech (Mech)	






5	1-9463833896	ER. MONESH KUMAR SAHU		AUTOMOBILE ENGINEERING	LECTURER	B Tech (Mech), M Tech (Machine Design)	
6	1-9454653155	ER. BHABANI SANKAR MOHANTA		AUTOMOBILE ENGINEERING	LECTURER	B Tech (Mech)	
7	1-9454831678	ER. DEBASISH MOHANTY		AUTOMOBILE ENGINEERING	LECTURER	B Tech (Mech)	
8	1-9460140144	ER. ANIL KUMAR JENA		AUTOMOBILE ENGINEERING	LECTURER	B Tech (Mech)	
9	1-2055887423	ER. SASMITA GOCHHAYAT		CIVIL ENGINEERING	HOD	Diploma (Civil), AMIE (Civil)	1. Indian Society for Technical Education (ISTE)






10	1-7420745323	ER. ANKIT JOSHI		CIVIL ENGINEERING	ASST. HOD	B Tech (Civil)	1. Indian Society for Technical Education(ISTE) 2. Indian Society for Technical Development(ISTD)
11	1-4496340046	ER. BISMITA PARIDA		CIVIL ENGINEERING	LECTURER	B Tech (Civil)	
12	1-7420745292	ER. SAROJ KUMAR NAYAK		CIVIL ENGINEERING	LECTURER	Diploma (Civil), B Tech (Civil)	
13	1-7421216820	ER. ABHISEK MOHANTY		CIVIL ENGINEERING	LECTURER	B Tech (Civil)	
14	1-7421216826	ER. RAGHABENDR A MOHAPATRA		CIVIL ENGINEERING	LECTURER	B Tech (Civil)	





15	1-4530587627	ER. SAROJ KUMAR MISHRA		CIVIL ENGINEERING	LECTURER	B Tech (Civil)	
16	1-4496730183	ER. SULAGNA DAS		CIVIL ENGINEERING	LECTURER	B Tech (Civil)	
17	1-4755207464	ER. PRIYABRATA PRUSTY		CIVIL ENGINEERING	LECTURER	B Tech (Civil)	
18	1-9455011198	ER. JYOTI SHANKAR MOHANTY		CIVIL ENGINEERING	LECTURER	B Tech (Civil)	

19	1-9463975748	DR. MRUTYUNJAY DAS		ELECTRICAL ENGINEERING	HOD	AMIE (Elect), M Tech (Power Electronics and Drive), PhD (Electrical)	1. Indian Society for Technical Education (ISTE) 2. Fellowship of Institution of Engineers (FIE) 3. Indian Society of Lighting Engineers (ISLE) 4. Solar Engineering Society of India (SESI) International Publication=11 Nos
20	1-9521487046	ER. SUMAN SAHU		ELECTRICAL ENGINEERING	ASST. HOD	B Tech (Elect), M Tech (Power System Engg.)	
21	1-466812748	ER. BISWAJIT MANDAL		ELECTRICAL ENGINEERING	SENIOR LECTURER	AMIE (Elect)	1. Institution of Engineers India (IEI) 2. Indian Society for Technical Education (ISTE)
22	1-2054672682	ER. SAILESH BARIK		ELECTRICAL ENGINEERING	LECTURER	Diploma (Elect), B Tech (Elect)	


23	1-3189191995	ER. GURUPADA MISHRA		ELECTRICAL ENGINEERING	LECTURER	ITI, Diploma (Elect), B Tech (Elect)	
24	1-4531053702	ER. DEBANSHU MOHAPATRA		ELECTRICAL ENGINEERING	LECTURER	PDIS, Diploma (Elect), B Tech (Elect)	
25	1-7420744888	ER. PROBODH RANASINGH		ELECTRICAL ENGINEERING	LECTURER	ITI, Diploma (Elect), B Tech (Elect)	
26	1-9481213869	ER. SUBHALAXMI ROUT		ELECTRICAL ENGINEERING	LECTURER	Diploma (ETC), B Tech (EEE)	
27	1-466813014	ER. ANURADHA SAHU		ELECTRICAL ENGINEERING	LECTURER	B Tech (EEE)	




28	1-1445352825	ER. ABHISHEK ACHARYA		ELECTRICAL ENGINEERING	LECTURER	B Tech (EEE)	
29	1-3543253464	ER. SHASWATA MOHANTA		ELECTRONICS AND TELECOMMUNICA TIONS ENGINEERING	HOD	Diploma (ETC), BE (Industrial Electronics), M Tech (Com. System. Engg.)	1. Indian Society for Technical Development(ISTD) 2. Quality Council of India(QCI)
30	1-3225603837	ER. VISWA NATH BEHERA		ELECTRONICS AND TELECOMMUNICA TIONS ENGINEERING	SENIOR LECTURER	Diploma (ETC), B Tech (ETC)	1. Indian Society for Technical Development(ISTD)
31	1-466583941	ER. UMASHANKAR PANDA		ELECTRONICS AND TELECOMMUNICA TIONS ENGINEERING	SENIOR LECTURER	B E (ETC)	
32	1-1445530593	ER. ARADHANA DAS		ELECTRONICS AND TELECOMMUNICA TIONS ENGINEERING	SENIOR LECTURER	B Tech (ETC & I)	





33	1-3543370623	ER. PUJASHREE PANIGRAHI		ELECTRONICS AND TELECOMMUNICA TIONS ENGINEERING	LECTURER	B Tech (ETC), M Tech (ETC)	
34	1-9454414365	ER. DEBASISH PARIDA		ELECTRONICS AND TELECOMMUNICA TIONS ENGINEERING	LECTURER	B Tech (ETC)	
35	1-471621131	MR. AMBIKA PRASAD MOHANTY		Science & Humanities	HOD	MCA, M Tech (IT)	
36	1-471492639	MR. SUNIL KUMAR SAHU		Science & Humanities	ASST. HOD	M Sc (Mathematics)	
37	1-471335357	MR. BIBHUDENDR A SARANGI		Science & Humanities	SENIOR LECTURER	MCA, M Tech (IT)	

38	1-471493211	MR. RAMESH KUMAR BEHERA		Science & Humanities	SENIOR LECTURER	M Sc (Physics), MBA (HR)	
39	1-4496259469	MRS. SILPA NAYAK		Science & Humanities	LECTURER	M Sc (Physics)	
40	1-9463834236	MRS. RITUPARNNA BHATACHARY A		Science & Humanities	LECTURER	MA (English),	
41	1-10592174266	Miss MAMATA MOHANTA		Science & Humanities	LECTURER	M Sc (Chemistry)	

42	1-466657061	ER. MALABIKA NAYAK		MECHANICAL ENGINEERING	HOD	B Tech (Mech), M Tech (Production)	1. Institution of Engineers India(IEI) 2. Indian Society of Mechanical Engineer (ISME) 3. Senior Member of Indian Society of Mechanical Engineers (SMISME) 4. Fellow Member of The Society of Innovative Educationalist & Scientific Research Professional (FSIESRP)
43	1-466583947	ER. BIKASH CHANDRA PANDEY		MECHANICAL ENGINEERING	ASST. HOD	Diploma (Mech), B E (Mech)	1. Indian Society for Technical Development(ISTD)
44	1-4496259462	ER. BARENDRANA TH MOHANTA		MECHANICAL ENGINEERING	SENIOR LECTURER	AMIE (Mechanical)	

45	1-4496016754	ER. SUBODH KUMAR PATRA		MECHANICAL ENGINEERING	SENIOR LECTURER	Diploma (Auto), B Tech (Mech), M Tech (Thermal)	
46	1-465822502	ER. BANOJ KUMAR BEHERA		MECHANICAL ENGINEERING	SENIOR LECTURER	Diploma (Auto), B Tech (Mech), M Tech (Production)	<ul style="list-style-type: none"> 1. Institution of Engineers India(IEI) 2. Indian Society for Technical Education(ISTE) 3. Indian Society for Technical Development(ISTD) 4. Indian Society of Mechanical Engineer (ISME) 5. Senior Member of Indian Society of Mechanical Engineers (SMISME) 6.Fellow Member of The Society of Innovative Educationalist & Scientific Research Professional (FSIESRP)
47	1-7421793142	ER. MANAS RANJAN MOHANTA		MECHANICAL ENGINEERING	LECTURER	Diploma (Mech), B Tech (Mech)	

48	1-7421793120	ER. SUCHISMITA PARIDA		MECHANICAL ENGINEERING	LECTURER	Diploma (Auto), B Tech (Mech)	1. A Novel Approach for Reducing Delamination During Drilling of CFRP by Response Surface Methodology (RSM) Integrated with the Taguchi Method
49	1-7421793131	ER. SATYASWARU P DAS		MECHANICAL ENGINEERING	LECTURER	B Tech (Mech)	
50	1-3644543509	ER. SUNITA PANIGRAHI		MECHANICAL ENGINEERING	LECTURER	B Tech (Mech), M Tech (Thermal)	1. Performance Studies of a Triple Concentric Helical Tube Heat Exchanger using Al2O3 Nano-Fluid (International Journal of Engineering & Technology, 7 (4.39) (2018) 272-277)
51	1-7473880368	ER. KHAGESWAR PATRA		MECHANICAL ENGINEERING	LECTURER	ITI, Diploma (Mech), B Tech (Mech)	

52	1-7420745069	ER. DEBAKANTA GIRI		MECHANICAL ENGINEERING	LECTURER	B Tech (Mech), M Tech (Thermal)	
53	1-9463833518	ER. SAILESH BARIK		MECHANICAL ENGINEERING	LECTURER	Diploma (Mech), B Tech (Mech)	
54	1-9454340701	ER. ASHIRBAD DAS		MECHANICAL ENGINEERING	LECTURER	B Tech (Mech)	
55	1-7450425889	ER. RUSIRAJ PATTANAYAK		MECHANICAL ENGINEERING	LECTURER	B Tech (Mech)	

List of Details Lab / Workshop Major Equipments

1: Electrical Machine Lab:

- a) All kind of measuring/ testing instruments Electrodynamometer, Portable type watt Meter, Power factor meter, Voltmeter, Ammeter etc.
- b) Single Phase Variac (10A, 220V), (4A, 270V), (15A, 270V) 3-Ø Variac, Mega Ohm Insulation Tester (0-100/200Mohm), High Sensitivity Multi Tester, Digital Multimeter, Clamp meter, Contact type Digital Tachometer, Earth Tester (0-10/100/5 ohm), PF meter, Hand tachometer
- c) DC series motor with Drum Controller and Two point stator and fitting of panel board (Drum Controller: 3hp, 32A,220V, Voltmeter, Ammeter, MCB, Cutout, Indicator, 2 Point Stator)
- d) DC shunt motor with panel board (DC Motor: 1500rpm, 5.1A, 220V, Voltmeter, Ammeter, MCB, Cutout, Indicator, 3 Point Stator)
- e) DC compound motor coupled with DC Generator with Panel Board (DC Compound Motor: 1400rpm, 220V. 1.2A, DC Generator: 1440rpm, 220V,12A, Voltmeter, Ammeter, MCB, Cutout, Indicator, 4 Point Stator)
- f) 3 Phase Induction Motor coupled with DC Generator with panel Board (Induction Motor: 7.5hp, 415V, 10.5A, 1440rpm, DC Generator: 5kw, 220V, 22.7A, 1500rpm, Voltmeter, Ammeter, MCB, Cutout, Indicator, DOL Stator)
- g) 3 Phase slip ring induction motor with panel board(Induction Motor: 8.7 A, 1420rpm, PF-0.79, Voltmeter, Ammeter, frequency meter, Rotary Switch, MCB, Cutout, Indicator, Rotor Resistance Stator: 415V, 3hp)
- h) Squirrel Cage Induction motor with panel Board (Induction Motor: 7.5 hp, 1440rpm, 50Hz, 415V, 10.6A, Voltmeter, Ammeter, frequency meter, Rotary Switch, MCB, Cutout, Indicator, Auto Transformer Stator: 415V, 7.5hp)
- i) Squirrel Cage Induction motor with panel Board (Induction Motor: 7.5 hp, 1420rpm, 50Hz, 415V, 10.6A, PF-0.84, 3 Phase, Voltmeter, Ammeter, Rotary Switch, MCB, Cutout, Indicator, Star Delta Stator: 415V, 50Hz)
- j) Squirrel Cage Induction motor with panel Board (Induction Motor: 7.5 hp, 1425rpm, 50Hz, 415V, 3.1A,3 Phase, Voltmeter, Ammeter, Rotary Switch, MCB, Cutout, Indicator, DOL Stator: 415V, MF-2A,50Hz)
- k) 3 Phase Induction motor coupled with Alternator with Panel Board (Induction Motor: 7.5hp, 1440rpm, 50Hz, 3 Phase, 415V, 10.5A, Alternator: 5kw, 1500rpm, 440V, 7.3A, Voltmeter, Ammeter, frequency meter, Rotary Switch, MCB, Cutout, Indicator)
- l) Parallel Operation of Alternator (DC motor coupled with Alternator 2 set, DC Shunt Motor:3 hp, 1500rpm, 220V, 12A, 3phase Alternator: 3kva, 415V, 3.3A, 1500rpm, 2 panel board, Voltmeter, Ammeter, field regulator, MCB, Cutout, Indicator, Bell push type switch, Synchronization panel board: Synchronoscope, phase sequence indicator, Voltmeter, Ammeter, frequency meter, Rotary Switch, Cutout, Indicator, Bulb, Position selector switch, TPST switch)
- m) Energy Meter panel board (1 Phase, 0-300V, 0-15A, Banana Terminal), Fluorescent Lamp trainer, Safety demonstrator trainer
- n) Resistive load box (3kw, 1phase), Inductive load box (5A, 1phase, 220V), capacitive load box(5A, 1phase, 230V)
- o) Variac with ammeters, Voltmeters, PF meter, watt meter panel board, Rectifier Unit
- p) AC ammeter (0-5A, 0-10A, 0-5/10A, 0-2/1A), DC ammeter (0-2/1A) AC Voltmeter (0-150/300/600V, 0-300V), Both AC &DC Voltmeter(0-300V), DC Voltmeter(0-150/300/600V) 3phase resistive load box (415V, 3.6Kw)
- q) 1 phase Watt Meter(0-1500/3000/6000w) (0-750/750/3000w), Both AC and DC Watt Meter (0-3000w)
- r) Regulated DC power supply (30V, 2A)
- s) PLC Trainer
- t) Earth fault relay testing kit

- u) Static Reverse Power Relay testing kit
- v) Lamp Load Box
- w) 1 Phase Transformer (220V input, 115V output, 3KVA)
- x) 3 Phase Transformer (230V input, 230V output, Multi tapping)
- y) 3 Phase energy meter panel board (Voltmeter-0-500v, Ammeter-0-20A)
- z) 1 Phase Variac-(10A, 220V), (4A, 270V), (15A, 270V), Rheostat (50 ohm, 10A), (100ohm, 5A), (750ohm,1.2A), (500ohm, 2A), (100ohm, 1.2A), (55ohm, 1.5A)

2: Fluid Mechanics and Hydraulics Lab:

- a) Francis Turbine test rig
- b) Multi speed Centrifugal Pump
- c) Reciprocating Pump test rig set
- d) Single cylinder 4 stroke Diesel engine with rope brake dynamometer
- e) Models of Centrifugal pump, hydraulic Ram, Kaplan Turbine, Model of Francis, Pelton wheel, Non-Return Valve, Inclined Tube Monometer, Gate Valve, Laser type Digital Tachometer, Digital Tachometer Contact type, Globe valve
- f) Single Cylinder 4 – stroke Petrol Engine Test Rig with rope brake dynamometer
- g) Bernoulli's Theorem apparatus
- h) Orifice Discharge Apparatus
- i) Venturimeter Test Rig
- j) Study of pressure measurement apparatus
- k) Pelton wheel turbine test rig
- l) Kaplan turbine test rig
- m) Pneumatic trainer test kit

3: Mechanical Testing Lab:

- a) Impact Testing Machine FIT – 300 N
- b) Universal Testing Machine (UTM) 10 Ton capacity
- c) Models of Porter governor, Model of steam engine, Model of Hydro-power Installation, Model of vertical water tube boiler, Able's Apparatus, Stefan Boltzman's apparatus, Model of Ammonia ice plant, Models of 2 / 4 stroke diesel /petrol engine, Cochran boiler, Gyroscope Model, Flash & Fire Point apparatus, Boiler models with accessories etc.
- d) Searle's apparatus
- e) Screw Jack
- f) Rockwell hardness Testing Machine
- g) Brinell hardness Testing Machine
- h) Single purchase winch crab, Worm wheel, Fly wheel, Simple supported beam, Train of gear wheel, Bending of Beam apparatus
- i) Refrigeration test Rig
- j) Static & dynamic balancing apparatus/ experimental set up
- k) FTT – 200 NM Torsion Testing Machine
- l) Air Compressor Test Rig (K C Engineer)
- m) Compression testing machine 200KN analog type
- n) Journal bearing apparatus
- o) Governor apparatus
- p) CAM analysis apparatus
- q) Water cooler test rig
- r) Vapor Absorption test rig
- s) Refrigeration charging station
- t) Window AC set up for study and demonstration
- u) Split AC set up for study and demonstration

4: (A) Engineering Physics Lab:

- a) Vernier Caliper IME & Wheel type/ Digital type (200x0.02 mm)
- b) Screw Gauge (20x1 mm, 25x1 mm)
- c) Spherometer (Brass Type Single Disc)
- d) Bar magnet / magnetic compass
- e) Prism
- f) Stop watch (Mechanical / digital racer type)
- g) Rheostat, Voltmeter, Ammeter (0-100mv), Galvanometer, P.O box resistance, Barometer etc.
- h) Regnault's apparatus
- i) Physical balance
- j) Resonance air column
- k) UV method – Meter Scale
- l) Coefficient of Friction apparatus
- m) Weight measurement instrument
- n) Meter bridge
- o) Digital vernier caliper
- p) Drawing Board
- q) Cylinders (Hollow and Solid)
- r) Wire Pieces
- s) Fixing Pins
- t) Hair Pins
- u) Bob (Metalic)
- v) Simple Pendulum Stand
- w) Spherical Surfaces

4: (B) Engineering Chemistry Lab:

- a) Marble chips, Hydrochloric Acid, Sulphuric Acid, Nitric Acid, Sodium Hydroxide, Calcium Oxide, Ammonium Chloride, Phenolphthalein Solution, Magnesium ribbon, Litmus Paper (Blue, Red), Nessler's reagent, Ferric chloride, Copper Sulphate, Ammonium hydroxide, Sodium Carbonate, EDTA solution, methyl orange, Eriochrome Black – T indicator, Ethyl alcohol, Potassium Permanganate, Mohr's Salt, Ammonia Buffer Solution, Copper turning, Calcium carbonate, Zinc chloride, Magnesium Chloride, Sodium nitrate, Lead nitrate, Potassium Carbonate, Borax, Cobalt nitrate, Charcoal, Lead acetate solution, barium chloride, silver nitrate, Ferrous Sulphate, Iron Sulphide (Broken stick), Ammonium carbonate, Di-sodium orthophosphate, Potassium Pyroantimonate, acetic acid, sodium nitrite, Potassium Chromate, Filler Papers, Distilled Water, Spatula, Pipette Bulb, R.B Flask (500ml), Hard Glass test tube, Corks, Bunsen burner, Borosil (250ml), Wire Gauge, Turmeric Paper, Iron Stands, Oxalic Acid, Metal loop Holder, Formic Acid, Calcium Sulphate, Copper turnings, Cadmium Chloride, Sodium Chloride, Sodium chloride, Zinc Sulphide, Cupric Carbonate, Ammonium Chloride, Magnesium Sulphate, Magneson Reagent etc. are available in the Lab.

Apparatus

- | | |
|-----------------------------------|-----------------------------|
| a) Digital Balance | q) Digital PH meter |
| b) Kips Apparatus | r) Woulf's Bottle |
| c) Hard glass Test tube | s) Burette |
| d) Pipette | t) Burette stand with clamp |
| e) Gas Jar with lid | u) Test tube stand |
| f) Test tube holder | v) Test tube brush |
| g) White Glazed tile | w) Funnel |
| h) Motar & Pistol | x) Wash bottle |
| i) Blow pipe | y) Nichrom wire |
| j) Blue glass | z) Tripod stand |
| k) Conical flask (250 ml, 500 ml) | aa) Arsenic test set |
| l) Porcelain basin | bb) Ton gue |

- | | |
|---|------------------------------------|
| m) Glass rod | cc) Delivery tube |
| n) Volumetric Flask (1 l, 500,250,200,100 ml) | dd) Measuring cylinder (50, 100ml) |
| o) Fire Extinguisher | ee) Beaker (250,100ml) |
| p) Glazed tile | ff) Test Tube |

5: Analog Electronics Lab:

ALL Trainer Test Kits

- Semiconductor device characteristics kit
- Discrete component trainer board
- Free running multivibrator (Astable), Monostable multivibrator with Power supply, Bi-stable multivibrator with Power supply
- Display Board for resistors, color coding, potentiometer, capacitor, switches, bend switches, diodes, transistors, and transformer
- FET Characteristics (C4)
- Transistor Amplifier Types, Two Stage RC coupled amplifier, Class B / C Amplifier
- Hartley Oscillator, Wien Bridge Oscillator, Colpitts Oscillator, Phase Shift Oscillator, Tuned amplifier
- Analog/ digital multimeters
- OPAMP Training Board, OPAMP characteristics & Testing Method
- Voltage to Frequency converter, Frequency to voltage converter
- Function generator digital display 4 modes 3 MHZ (Model FG 3MA)
- C.R.O. (20 MHZ dual trace)
- Breadboard system trainer
- Digital Multimeter trainer
- Transistor characteristics trainer
- Universal development platform trainer
- Zener Diode Voltage Regulator Trainer
- Rectifier Trainer
- Common emitter amplifier
- Function generator-40Mhz (Caddo-4062)
- 555 Timer circuit kit

6: VLSI & Embedded System Lab

- VLSI trainer board
- Daughter Card Spartan 3 FPGA
- Daughter Card Spartan 3 CPLD
- Daughter Card Spartan 3 Peripheral Card
- Computer
- ARM processor kit

7: Electronics Measurement Lab:

- Trainer kits in Whetstone Bridge
- Maxwell's inductance bridge
- Hay's Bridge
- Schering Bridge with Decade resistance / inductance/ capacitance box and Lissajous Measurement kit with complete set
- LVDT trainer Kit
- Digital LCR meter

8: Basic Electronics Lab:

- C.R.O. (25 MHz dual trace oscilloscope)
- Universal Electronics Trainer

- c) Sine-square Oscillator /Function Generator
- d) Bench type Digital Multimeter / Analog Multimeter
- e) Soldering Station
- f) Display Board for resistors, color coding, potentiometer, capacitor, switches; bend switches, diodes, transistors
- g) Transistor characteristics trainer

9: CNT Lab:

- a) Advance network theorem
- b) RC circuits and time constants / RC LC circuits
- c) Series Resonance (B3)
- d) Constant K low pass filter, Constant K high pass filter, Constant K band pass filter
- e) T type attenuator, TT attenuator etc.
- f) Milliman's theorem trainer kit
- g) Measurement of two port network parameters
- h) Passive band reject filter
- i) Passive filter trainer
- j) Series and Parallel resonance trainer

10: Communication Lab:

- a) Telephone Demonstrator
- b) Amplitude modulation & demodulation
- c) Frequency modulation and demodulation trainer
- d) Function Generator ST 4061 2 MHz
- e) Fiber Optics Trainer-Crystal Control 4.696MHz, Cable Type-Step Indexed Multimode PMMA Numerical Apertur, Volt-0 to 10V, Current-750mA Max, Freq. Range of Gun Ocsillator 805 to 11.5 GHz(Mechanical Tunable), Freq.Stability 500KHz, O/P Power of Gun Oscillator min 10 mw to 15 mw
- f) Microwave test bench MT-9000 (Scientech) complete set
- g) Multimeter
- h) EPABX

11: Digital Electronics Lab:

- a) Trainer Kits on Binary to Gray and Gray to Binary
- b) Study of Flip Flops
- c) 4-Bit Binary Counter
- d) Universal Shift register using
- e) Triple Power Supply
- f) Digital Logic trainer
- g) Digital System trainer
- h) Digital IC trainer
- i) Half/full adder Subtractor
- j) 16-1 Multiplexer, 4-16 demultiplexer
- k) Modulo counter
- l) Shift Register
- m) Analog to digital converter, Digital to Analog converter
- n) Digital IC logic trainer (Model/ TDIT – 002)
- o) CRO-20MHz dual trace
- p) Digital multimeters
- q) Shift Register and trainer

12: Microprocessor Lab:

- a) 8085 microprocessor trainer (Micro 85 EB II LCD)-Intel 8085A at 6.144MHz Xclock, User Ram area 4100 to 5 FFF, Ram Expansion-6000-BFFF, Display 16x2 or 20x4 alphanumeric display with back light
- b) 8086 microprocessor trainer, Micro 86/88 EB LED
- c) Keyboard and display interface board (VBMB 001)
- d) 2 channel DAC interface board, 8 channel ADC Interface board
- e) 8255 interface board
- f) Traffic Light control system
- g) 8085 Microprocessor Trainer LCD version
- h) Stepper motor interface board
- i) Matrix display

13: Power Electronics and R & TV and Electronics Maintenance Lab:

- a) Switch Mode Power Supply
- b) Variable Voltage IC Regulator
- c) Low Voltage regulated Power Supply
- d) Thyristor application Trainer
- e) Automatic Voltage Servo Stabilizer
- f) Constant Current type Battery Charger, CVT
- g) C.R.O. (20 MHz) dual trace oscilloscope
- h) Black & White TV dynamic Demonstrator (Z1)
- i) Color TV Demonstrator (Z2)
- j) A.M superhetrodyne receiver kit
- k) ST 2201 Model DSB/ SSB AM Transmitter Trainer
- l) Analog multimeter trainer
- m) Digital multimeter trainer
- n) Cassette Player trainer
- o) Transistor radio CRO Dynamic Demonstrator.
- p) Multimedia computer Trainer
- q) Step up chopper
- r) IGBT characteristics and SCR triggering circuits
- s) SCR lamp flasher
- t) Single phase cycloconverter
- u) Mobile Trainer Kit-Cellular System-EGSM/GSM 900, Power Supply-100 to 240V, 50 to 60Hz, Antenna-Loop Type 50Ω, Channel Spacing-200KHz,

14: Advance Communication Lab

- a) Time division multiplexer kit
- b) Phase shift modulation/demodulation kit
- c) Amplitude shift modulator / demodulator kit
- d) Sampling & reconstruction trainer
- e) Modem Trainer

15: Microcontroller Lab

- a) Microcontroller Trainer Kit
- b) Stepper Motor Controller
- c) LED Matrics Interface Module
- d) LCD Interface Module
- e) A/D Converter Interface Module
- f) D/A Converter Interface Module

- g) Power Supply for the DAC Module
- h) Temperature measurement Module
- i) Relay opto Interface
- j) Logic Control Card
- k) USB Keyboard

16: Computer Lab.: (We have 48 MBPS Broadband leased line internet connectivity.)

Computer (We have also Wi-Fi internet connectivity.)

Computer Lab 1:-

Type-1: -Intel Pentium Dual Core, 2GB RAM, 40/500GB HDD, UPS

Type-2: -Intel Core 2 Duo, 2GB RAM, 40/500 GB HDD, UPS

Type-3: -Intel Core I3, 8GB RAM, 500GB HDD, UPS

Type-4: -Intel Core 2 Duo, 4 GB RAM, 320 GB HDD, UPS

Computer Lab 2:-

Type-1: -Intel Core 2 Duo 2 GB, 160 GB HDD, UPS

Type-2: -Intel Core I3, 4 GB, 500GB, HDD, UPS

Type-3: -Intel Pentium R Dual Core, 4GB, 1TB, UPS.

Type 4: -Intel Pentium D, 512 MB RAM, 40/80GB HDD, UPS

Computer Lab 3:-

Type 1: -Intel Core I3, 8 GB RAM, 500 GB HDD ,UPS

Type 2: -Intel Pentium R, 4/8 GB RAM, 500 GB HDD,UPS

Language Lab:-

Type 1: Core 2 Duo, 2 GB RAM, 320 GB HDD, UPS

Computer Lab 4:-

Intel Pentium 4, 512 MB RAM, 40 GB HDD, UPS

Library:-

Intel Pentium R, 2 GB RAM, 500 GB HDD, UPS

Matlab:-

Intel Pentium R 4/8 GB RAM, 1 TB HDD, UPS

Software Details

- a) Window XP Professional, Window 7 Home Premium SP1, Window 7 Pro, Window 8 Pro, Window 10 Home, Window 10 Pro, MS Office-2010 Pro Plus Academic, MS Office-Home and Student, Sree Lipi, Free Cad, Wx MAXIMA 19.05.07, Open Office, Octave 5.2.0, Rgui 64 bit 3.6.3, Sage Math 9.0 Console, Vs Pro, Auto Cad-2014, Tally, Office-2019, MS-OFFICE-2016, MAT Lab, Simulink, Auto Cad 2021 Lt, Auto Cad 2021 3D, Kaspersky internet Security

Printer, Scanner, Network Switches and Internet Services.

- b) Hp Laserjet M1005, Hp Laserjet M1018, Hp Laserjet P1007, Hp Laserjet P1108, Hp Deskjet 1000 J 110a Colour Printer, Hp Desk Jet 2000 J 210 a Coloyr Printer, Samsung ML-1640, Cannon MF 22 Bdn, Brothers HI-L6200w, Hp SECLA 1800-02, Hp Ink Tank 319 Colour Printer.
- c) Hp Scanjet 200, Cannon LIDE 120
- d) D-Link 24 Port Smart managed switch, D-Link 24 Port Unmanaged Switch
- e) D-Link Wireless Router

17: Auto Machine Shop & Servicing Lab:

- a) Demonstration Model of Petrol engine with starting system with Exide battery.
- b) Demonstration Model of Maruti Engine
- c) Cylinder Reboring Machine with precision measuring instrument
- d) Valve Refacing Machine i/p 600w, 5200 rpm, 6mm – 17.5mm, 240V-AC, 0.6 A
- e) Bench type Drilling Machine
- f) Models of Ignition system of an Automobile with Distributor, spark plug, coil, switch and Hand operated portable wall hoist
- g) Buffing Machine (220V, 0.5 Hp, 1.5A)
- h) Cell Tester (1000V)
- i) Battery Charger (6V, 12V)
- j) High rate discharge tester
- k) Inside Micrometer, Feeler gauge, Magnetic Base, Vernier caliper, Outside micrometer, Vernier Height Gauge, Dial gauge (0.01 – 25mm, Graduation: 0-100), Valve lifter, Bore gauge(50-160mm), Radius gauge (1 to 7 mm & 15.5 to 25 mm),
- l) Automobile Service Station set up
- m) Hot path machine
- n) Working Models of Master Cylinder, Brake Cylinder, Shock absorber, Motor Car steering model, Gear box with clutch, Demonstration Differential gear, Rear axle assembly, Hydraulic brake unit, Carburetor SU, SOLEX type, Bush bearing Thrust Bearing, Simple Bearing, Open Truck Bearing, Centrifugal / Multiplate clutch
- o) Car washing Machine with reciprocating Pump(15Kw, 2HP, 220V, 1440rpm)
- p) Diesel engine Pump set Generator with starting
- q) Spark Plug Tester & Cleaner (Sc 12220, 0.5 TPL No. S19001)
- r) Nozzle Tester (Model-61A)
- s) Air Compressor complete set
- t) Disc brake, fuel supply system of a petrol engine, diesel engine, self-stator, road sign, Lubricating system, cooling systems, electronic ignition system of automobile engine, Diaphragm type clutch assembly, Synchromesh gearbox, Hydraulic floor jack, Surface plate, Telescopic gauge, Stud extractor, tap wrench, Torque Wrench, Pipe wrench 450 mm, Screw Jack, Toggle Jack, Hydraulic Jack (5 ton), Hydraulic Trolley (2.5 ton)
- u) Valve seat and face cutter, Battery charger/ Hydrometer
- v) Ring Compressor
- w) 4 Cylinder Diesel Engine Head-Tata Pickup
- x) Fuel Feed Pump-Inline Engine
- y) Tube less Tyre Puncture repair kit
- z) Air Assisted Hydraulic Brake
- aa)Electrical System of Automobile with all original components mounted
- bb)Centrifugal clutch model
- cc)Dial gauge type Vernier caliper (LC-0.02 mm)
- dd)Digital Vernier caliper (150x0.01 mm)
- ee)Transmission system of Ambassador car with demonstration model
- ff) Sectional Working model of 2-stroke and 4-stroke Petrol Engine
- gg) Sectional Working model of 2-stroke and 4-stroke Diesel Engine

18: CIVIL ENGG. LAB.-I

- a) IS Sieve
- b) Weighing Balance
- c) Vicat's Apparatus
- d) Le-Chartalie's Apparatus
- e) Los – Angel's Apparatus
- f) Vibrating Machine
- g) Impact Test M/C
- h) Compaction factor Apparatus

- i) Slump Cone
- j) Cube Mould (Small and Big Size)
- k) Flakiness, Elongation test apparatus
- l) Rebound Hammer
- m) Causing value test apparatus
- n) Temping rod
- o) Wire Bucket
- p) Wooden Brick Block
- q) Rice Plate
- r) Funnel
- s) Mortar Mixture Machine
- t) Cylindrical Mould

19: CIVIL WORK PRACTICE – II

- a) Mini Mixture M/C
- b) Trowel, Wooden hammer, Brick hammer, Wooden Float, Kasi, Pick axe, Crow Bar, Spade, Rubber Float, Steel Float, Plumb bob, Water leveling Pipe, Try Square, Brush, Temping Rod, Punch, China dish, Iron Tray, Rice Plate, Cutters, Hack show, Sprit level, Thread, Salty Cap, Safety Shoes, Safety Gloves, Safety Mask.
- c) Piles
- d) Rod Bender
- e) Pliers
- f) Spanner Set

20: CIVIL ENGG. LAB.-II

- a) Pycnometer
- b) Desiccator
- c) Core – Cutter with steel Rammer
- d) Sieve Shaker M/C
- e) CBR Testing M/C (Prooving Ring, Dial Gauge and Mould)
- f) Plastic Limit & Casagrande's apparatus for liquid limit.
- g) MDD, OMC cylinder with two types of steel Rammer.
- h) Penetration apparatus for Bitumen.
- i) Flash & Fire Point apparatus for Bitumen.
- j) Viscosity testing apparatus
- k) Ductility test M/C
- l) All types of Container
- m) Water Bath
- n) Oven
- o) Permeability of soil apparatus
- p) Bitumin Extraction
- q) Shrinkage Limit test Apparatus
- r) Measuring Cylinder (Various Type)
- s) Speedy Moisture meter
- t) Stop Watch
- u) Thermometer
- v) Beaker
- w) Rammer

21: SURVEY LAB.-I

- a) Plane table Set
- b) Compass (Prismatic & Surveyor Compass)
- c) Ranging Rod

- d) Offset Rod
- e) Arrow, Chain, Tape, Peg, Leveling Bobble
- f) Optical Square
- g) Eledade
- h) Cross staff
- i) Tripod stand (Wooden & Aluminum Types)
- j) Clinometer
- k) U Fork
- l) Plumb-bob
- m) Spirit Level

22: SURVEY LAB.-II

- a) Auto Level
- b) Dumpy Level
- c) Transit Theodolite
- d) Digital Theodolite
- e) Wooden staff & Steel Staff

CENTRAL WORKSHOP - I

23: Fitting Shop

- a) Bench Grinding Machine
- b) Bench Drilling Machine
- c) Metal Cutting (Circular Grinding Wheel) Machine
- d) Vernier Height Gauge With Accessories
- e) Vernier Caliper
- f) Surface Plate
- g) Angle Plate
- h) Dividers Sufficiently Available
- i) Outside Caliper Sufficiently Available
- j) Inside Caliper Sufficiently Available
- k) Hacksaw Frame Sufficiently Available (Adjustable and Solid)
- l) Flat File Sufficiently Available
- m) Half Round File Sufficiently Available
- n) Round File Sufficiently Available
- o) Square File
- p) Triangular File Sufficiently Available
- q) Ballpeen Hammer And Chisel Sufficiently Available
- r) Tap Wrench With Tap Set Sufficiently Available
- s) Die Holder With Die Sufficiently Available
- t) Try Square Sufficiently Available
- u) Odd Leg Caliper Sufficiently Available
- v) Steel Rule Sufficiently Available
- w) Center Punch And Number Punch Sufficiently Available
- x) Scriber And Scraper Sufficiently Available

24: Welding Shop

- a) Arc Welding Machine (Air Cooled and Oil Cooled) with Accessories
- b) MIG Welding Machine (Both Ferrous and Non Ferrous with complete Accessories)
- c) Gas Welding (Acetylene) with Complete Accessories
- d) Welding Table
- e) Welding Safety Equipment (Helmet, Face Screen, Leather Hand Gloves, Leather Apron, Mask, Safety Shoes) Sufficiently Available

25: Carpentry Shop

- a) Wood Cutting Machine with Circular saw
- b) Metal Jack Planer Sufficiently Available
- c) Carpentry Vice Sufficiently Available
- d) Measuring Rule, Try Square Sufficiently Available
- e) Cutting Tool, Chisel and Saw Sufficiently Available
- f) Machine Planer for Wood and Hand Drill

26: Smithy Shop

- a) Open Hearth Furnace with Chimney and Complete accessories
- b) Double Face Hammer and Hand Hammer Sufficiently Available
- c) Anvil and Swage Block Sufficiently Available
- d) Various Tongue, Fuller, Flatter, Shovel, Poker, Hot Chisel Sufficiently Available
- e) Leg Vice
- f) Cross peen hammer and straight peen hammer

27: Sheet Metal Shop

- a) Bench shearing machine with accessories
- b) Straight snip and bent snip sufficiently available
- c) Try square, measuring rule and scribe sufficiently available
- d) Rubber mallet and wood mallet sufficiently available
- e) Various stake are sufficiently available
- f) Long nose plier and diagonal cutting plier are sufficiently available
- g) Pop rivet gun

CENTRAL WORKSHOP - III

28: Machine Tool Shop

- a) Centre Lathe Machine With Accessories Both Gear Head and Step Pulley Drive Head Stock
- b) Capstan Lathe Machine With Accessories
- c) Wood Turning Lathe Machine With Accessories
- d) Standard Shaper Machine With Accessories
- e) Universal Milling Machine With Accessories Both Gear Head and Step Pulley Drive Head Stock
- f) Milling Vertical and Indexing Attachment
- g) Power Saw Machine With Accessories
- h) Bench Grinding Machine
- i) Bench Drilling Machine With Accessories
- j) Surface Grinding (Horizontal) Machine With Accessories
- k) Slotting Machine With Accessories
- l) Working Bench
- m) Bench Vice
- n) Various type of all machine cutting tools/ cutters sufficiently available
- o) Measuring instrument: Plug type sine bar, Dial gauge with accessories, Screw pitch gauge, Taper gauge, S.W.G. wire gauge, Mixed Radios gauge, Depth gauge, Universal Bevel projector with set, Combination square set, Vernier height gauge, Slip gauge box set, Micrometer outside, Micrometer Depth, Plug gauge (limit), Snap gauge adjust table, Feeler gauge, Vernier caliper, Straight edge, Diamond dressing, Surface plate, Angle plate, Center Gauge, Outside Caliper and Inside Caliper

29: Foundry Shop

- a) Air Compressor Machine For Painting
- b) Molding Box (Cope And Drag)
- c) Molding Board
- d) Various Type Of Foundry Hand Tools Sufficiently Available
- e) Various Type Of Pattern, Core Box Sufficiently Available
- f) Hand Ladle
- g) Safety Equipment Lather Boot, Leather Hand Gloves, Arm Gloves, Safety Helmet, Leather Apron and Safety Glass Are Sufficiently Available
- h) Spirit Level

30: That in all lab & workshops, adequate numbers of WALL HANGING CHARTS, POSTERS, SAFETY POSTERS, NIMI CHARTS, TRANSPARENCIES and Engineering Drawing Models are available.

31: Language Laboratory: Supplied by M/s. Orell Techno System India Pvt Limited with license software with all accessories.

32: That all classrooms are fitted with LCD Projectors, ENSON device, sound system, and effective Digital Teaching facility and smart board classroom facility is also available.

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Highlights of prevalent Best Standard Practices implemented at MSE, Baripada.

MSE always fosters to pursue national Quality standards of excellence in Academics, Research, Administration and Educational Services. This document shall be treated as road map along with other initiatives / activities undertaken.

***This document is not the final complete list and
Many more good practices are being followed.***

This is an illustrative idea.

1. We always aim to appreciate the work done by the teaching staff, non-teaching staff and students of the institute and motivate them to excel in their areas of expertise. The institute believes that a motivated workforce (Staff and Students) can be a significant factor in institute's success. Rewards are positive outcomes that are earned as a result of staff's and students' performance and achievement. The mode of reward is in terms of appreciation certificates and mementos. The committee evaluates the forms and declares the same and awards are Best Teacher, Best Department, Topper of the Class, Subject Topper.
2. College has setup an IIPC with an objective to establish strong industry connects, conduct workshops.
3. The college has launched Alumni Portal to connect with the alumni and utilize their services as motivational factor, like Guest Lectures, placements opportunities etc.
4. Training & Placement cell is functioning to provide job opportunities to students. Efforts are given towards improvement of skill and aptitude to the students to make them employable. The Institute offers students services like counseling pre-placement training support, personality grooming and Plant Visit / Corporate Lectures / Summer Training / Seminar / Project Report / Publication / Pre- placement Talk / For final Placement.
5. The college has encouraged students to pursue internships / to participate in online training programme during the vacations and acquire necessary problem solving skills.
6. The college regularly encourages the students to compete in competitions / polyfest etc.
7. Parents meeting / Online mode are conducted to take the feedback about the progress of their ward and overall development of the college.
8. MSE has a unique counseling process wherein each faculty/staff member, in the role of Proctor, is allocated some students with an objective to constantly follow student progress and to extend him/her all necessary help and support. This is students mentoring. The teachers meet students periodically, collects the pros and cons of this

method and counsel them to remove the difficulties in their academic performance; this method is called 'Mentoring system'; students' personal issues are also discussed and a proper guidance and support is provided to ensure the comfort of students in the campus. Mentoring gives opportunity to share the difficulties & problems to get professional help and guidance by building trust and confidence. Periodic reports are generated by the faculty.

9. In tutorial classes, students undertake group discussion, problems faced in lectures room, quiz, class test, work exercise, in supervision of a faculty. These measures improve the knowledge in the subject and appropriate planning of any work for achieving the objective.
10. The institute undertakes to publish all the articles presented in the institutional magazine. Further, student Information Bulletin, Annual reports are prepared.
11. NSS-Unit of MSE, Baripada has been very active in maintaining objective of Social welfare. NSS volunteers actively associated in all activities.
12. Use of learning recourses, multimedia and 200 MBPS internet recourses for teaching is in place.
13. Students' feedback about teachers' performance and follow-on action implemented.
14. IQAC (Internal Quality Assurance Cell) is established.
15. Financial assistance to the poor and needy students is made available.
16. Suggestion boxes outside the Dept / Library / Office are placed to have continuous feedback for improvement.
17. Ragging is an undesirable social offence which is totally banned in the campus. AICTE norms are being followed on curbing the menace of ragging and necessary committees are constituted to check the ragging in the Campus. Contacts numbers of senior faculty members are displayed in the campus, canteen, and hostels and in the buses to bring the matter, if any to the notice of authorities
18. Transparency ensured in evaluating students' academic performance.
19. Internal academic audit, strict supervision & monitoring process at campus level are introduced.
20. Appraisal of teachers' performance by the students done in an academic year.
21. Our campus is having Wi-Fi campus.
22. 24 hours availability of college vehicles for medical care of students and faculty and staff.
23. 24 hrs. Electricity and water supply is ensured in the campus by arranging the normal supply with DG sets.
24. We conduct English Proficiency Test. We have a dedicated Language Lab. English is the dominant professional and business language and wide range of technological literature is available in it. So it is necessary to provide the support to the large number of engineering students who are coming with vernacular language. Students are guided for reading, listening speaking and writing skills.

25. We work in the matter of Energy conservation / Power saving / Economical consumption Almost all street lights, toilets and corridors are provided with the LED fittings. We plan solar roof top.
26. We are working on Rainwater Water harvesting and a project is being developed in the current year.
27. Plantation: We have a greenery scenic beauty campus. Also, a herbal garden consisting of plants with medicinal values is planned to be cultivated in the college campus.
28. Our teaching process is Student Centric Learning, Activity Based Learning and Project Based Learning. Here activity based learning such as students get more space to interact with teachers and classmates, PPTs, Videos, OHPs and short seminars are being used that results in easy understanding of the concepts by students.
29. Technical Quiz: To get in-depth knowledge in subjects, technical quiz is conducted which helps students to have specified learning.
30. As learning is the continuous process, Faculty Development Programme (FDP) is organized to update knowledge and to promote skills of the faculty members.
31. Skill Development Courses are organized for the students and the faculty members of other institutions.
32. Teachers will get awareness about the latest teaching aids. We provide practical oriented teaching. Difficulties and barriers of subjects will be cleared thoroughly. Hands-on training to teachers by the Resource Persons from industries. We do all the needful by bringing school students to this campus and facilitating them to access the college resources
33. We motivate our students to take up higher study in engineering / professional courses.
34. Training for third year students: The college conducts training programme for students every year besides college has signed MOUs with reputed industries.
35. The college conducts blood donation camp to boost the social awareness and ethical duty as human being.
36. Project exhibition: The college makes exhibition of the technical projects done by the third year students and also arrange local high school students.
37. We are working on this front, Digital India Programme nad Swacha Bharat Abhiyan.
38. Celebration of Various Divas / Puja/ National days of importance are happened.
39. Sports and cultural programmes: The college takes sports and cultural programme to provide an exposure and boost the hidden talents of the students.
40. MSE organizes many personality development programme: Personality development is the need of the hour.
41. Engineering day celebration: The college celebrates Engineer's Day on 15th September every year and organizes several academic activities such as poster presentation, paper presentation etc.
42. We organize Summer Camp / coaching / conduct skill development courses for students. We emphasis on personality development, leadership skills, communicative English and team

building. Equal importance is given to extra-curricular activities too.

43. Experts from industries train them to meet the requirements of the industry. The morale of the students is boosted by inspirational talks.
44. Placement Training Programme: To make the students job ready, certification programmes are organized by the departments. Students are also provided with aptitude training, Resume writing practice, mock test and mock interviews.
45. Because of adequate hi-tech facilities and highest number of computers and sound infrastructure available the Institute takes a pride of providing place /center facilitating for conducting Govt. exam and also online exam at our college.
46. With a view to promote curriculum and extra-curriculum activities the Institute has various clubs operating like Robotic Club, Environment Club and Sports Club which go in a long way to boost the innovative and creative mind frame of our students.
47. The institute is in rapport with various agencies/business/Industrial concerns mad many MOUs are executed for placement, training and overall growth of the students.
48. Similarly the Institute conducts seminars, cultural programmes besides engaging the students in various sports activities. Moreover, the institute is very much particular for involving the students in multifarious project works.
49. Our students are having Digilocker facility.
50. We have ISTE student chapter.
51. Engineering Clinic: This is the place where engineering concepts are involved.
52. Maintenance and upkeep of college resources: Electrical maintenance of the campus and the Vehicle maintenance is carried out with help of staff members.
53. Student teacher concept: Our motto is to develop confidence and improving the technical knowledge of young learners.
54. We provide e-Services: The Institute has a developed ERP application for various student related issues such as bonafide certificate, which is delivered as per student's charter.
55. Framing of Students charter of MSE: The Institute has framed Students charter enlisting various services / Certificate issued by Institute along with time frame for issuance and escalation mechanism also been kept in the system to report in case the services in time in time with SMS Alert.
56. Communication skills and personality development programmes are provided by in-house trainers for five days (30 hours) for all the Degree and Postgraduate outgoing batches.2
57. Student feedback reports are being scrutinized by Principal / team IQAC / HODs who assesses the Quality of teaching by the faculty on a regular basis.
58. Financial assistance to the faculty to participate in seminars, workshops, conferences, etc.

59. Engineering Drawing (COMPTERISED SOFTWRAE) is completely replaced as Computerized Engineering Graphics Lab.
60. Internet/Wi-Fi facilities available for students residing in the Hostel.
61. Language laboratory is equipped with modern IT facilities to improve soft skills of the students which are necessary for their placement.
62. MSE has Institutional Membership of many reputed organizations that serves as a channel between industry and academic world that focuses on helping to increase efficiency and competitiveness.
63. We take care in the matter of social welfare under the banner of "Social care for Society' initiatives.
64. Students undergo training in various sectors of industries.
65. Visit of Faculty to industries: Industries continuously adopt new technologies and practices to meet the customer requirements. Usually faculty members rely on text books and magazines to teach students. In order to acquire the knowledge of industrial practices, faculty members, in a group, visit the industries and observe the industrial practices and interact with technicians of industries. This updated knowledge of faculty member will be imparted to the students.
66. Smart and Eco-friendly campus: Enrichment of Teaching and Learning Process: Student's orientation, orienting the students by imparting basics of outcome-based education at the outset of semester, Implementation of MOOC, E-learning and smart board equipped classroom, additional coaching for slow learners through remedial classes, Counseling the students having poor academic performance, 24 X 7 access to archived study material, Delnet-Digital library in addition to dedicated set of text books through central library and off academic hours access to departmental library, Annual purchase of Lab equipment and software for the development of state of art laboratories and also we are in the process of Interaction with Outside World, Establishment of tie-ups with renowned industries and institutes and Faculty Development and Welfare.
67. Others includes Participative management with hierarchical support systems, Decentralization of autonomy to departments to result into efficient and effective academic and administrative functioning, ERP implementation, Appropriate functioning of grievance redress mechanism
