ANNEXURE-10

Mandatory Disclosures

1. Institute Information

Name of the Institution	Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil Polytechnic, Satara.
Address:	Gat No 42/B/1 At Panmalewadi, Post Varye, Tal – Dist Satara.Pin- 415015
Contact No:	9309919088
E-Mail	Kbppoly0041@gmail.com

2. Name and address of the Trust/ Society/ Company and the Trustees

Name of the Trust	Rayat Shikshan Sanstha Satara.
Address:	Central Office, Karmaveer Samadhi Parisar, Near Powai Naka, Satara - 415 001.
Contact No:	91-02162-233857, 234566, 232444, 228566, 234857
E-Mail	secretary@rayatshikshan.edu

3. Principal

Name	Dr. K.C. Shaikh
Address:	Gat No 42/B/1 At Panmalewadi, Post Varye, Tal – Dist Satara.Pin- 415015
Contact No:	9309928324
E-Mail	principal@kbppoly.edu.in

4. Name of the affiliating University

Maharashtra State Board of Technical Education, Mumbai.

5. Governance (To be Fill up By Office)

- Members of the Board and their brief background
- Members of Academic Advisory Body
- Frequently of the Board Meeting and Academic Advisory Body
- Organizational chart and processes
- Nature and Extent of involvement of Faculty and students in academic affairs/improvements
- Mechanism/ Norms and Procedure for democratic/ good Governance
- Student Feedback on Institutional Governance/ Faculty performance
- Grievance Redressal mechanism for Faculty, staff and students
- Establishment of Anti Ragging Committee
- Establishment of Online Grievance Redressal Mechanism
- Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University
- Establishment of Internal Complaint Committee (ICC)
- Establishment of Committee for SC/ST
- Internal Quality Assurance Cell

6. Programmes:

Name of Programmes approved by AICTE	1) Civil Engineering 2) Computer Engineering 3) Electrical Engineering 4) Electronics & Telecommunication Engineering 5) Mechanical Engineering
Name of Programmes Accredited by NBA	Not Accredited
Status of Accreditation of the Courses	NIL
Total number of Courses	05
No. of Courses for which applied for Accreditation	Not Applied
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 (specify the number of courses)	Not Applied

Name of Programme	**Civil Engineering**			
Number of seats	120			
Duration	3 Years			
Cut off marks/rank of admission during the last three years	**Category**	**2019-20**	**2020-21**	**2021-22**
	Open	**17**	**19**	**12**
	OBC	**08**	**04**	**02**
	SC	**11**	**09**	**11**
	VJ/DT	**01**	**08**	**05**
	NT-C	**07**	**05**	**02**
	SBC	**00**	**01**	**00**
	ST	**00**	**00**	**00**
Fee (as approved by the state government)	**60,000/-**			
Placement Facilities				
Campus placement in last three years	**Year**	**Minimum Salary**	**Maximum Salary**	**Average Salary**
	2019-20	**00**	**00**	**00**
	2020-21	**9000**	**21000**	**15000**
	2021-22	**8000**	**22000**	**14000**

Name of Programme	**Computer Engineering**			
Number of seats	120			
Duration	3 Years			
Cut off marks/rank of admission during the last three years	**Category**	**2019-20**	**2020-21**	**2021-22**
	Open	**35**	**36**	**72**
	OBC	**14**	**14**	**18**
	SC	**07**	**03**	**19**

	VJ/DT	01	05	09
	NT-C	01	01	05
	SBC	01	01	04
	ST	01	01	01
Fee (as approved by the state government)	60,000/-			
Placement Facilities				
Campus placement in last three years	Year	Minimum Salary	Maximum Salary	Average Salary
	2019-20	00	00	00
	2020-21	9000	21000	15000
	2021-22	8000	22000	14000

Name of Programme	Electrical Engineering			
Number of seats	60			
Duration	3 Years			
Cut off marks/rank of admission during the last three years	Category	2019-20	2020-21	2021-22
	Open	13	13	15
	OBC	05	06	05
	SC	05	04	08
	VJ/DT	01	03	02
	NT-C	01	02	01
	SBC	00	01	01
	ST	00	01	00
Fee (as approved by the state government)	60,000/-			
Placement Facilities				
Campus placement in last three years	Year	Minimum Salary	Maximum Salary	Average Salary
	2019-20	00	00	00
	2020-21	9000	21000	15000
	2021-22	8000	22000	14000

Name of Programme	Electronics & Telecommunication Engineering			
Number of seats	120			
Duration	3 Years			
Cut off marks/rank of admission during the last three years	Category	2019-20	2020-21	2021-22
	Open	16	18	21
	OBC	02	01	01
	SC	01	02	01
	VJ/DT	00	01	01
	NT-C	00	00	01
	SBC	00	00	00
	ST	00	00	00

Fee (as approved by the state government)	**60,000/-**			
Placement Facilities				
Campus placement in last three years	**Year**	**Minimum Salary**	**Maximum Salary**	**Average Salary**
	2019-20	**00**	**00**	**00**
	2020-21	**9000**	**21000**	**15000**
	2021-22	**8000**	**22000**	**14000**

Name of Programme	**Mechanical Engineering**			
Number of seats	**60**			
Duration	3 Years			
Cut off marks/rank of admission during the last three years	**Category**	**2019-20**	**2020-21**	**2021-22**
	Open	**23**	**15**	**19**
	OBC	**08**	**03**	**03**
	SC	**09**	**05**	**02**
	VJ/DT	**04**	**05**	**00**
	NT-C	**01**	**03**	**03**
	SBC	**00**	**00**	**00**
	ST	**00**	**01**	**01**
Fee (as approved by the state government)				
Placement Facilities				
Campus placement in last three years	**Year**	**Minimum Salary**	**Maximum Salary**	**Average Salary**
	2019-20	**00**	**00**	**00**
	2020-21	**9000**	**21000**	**15000**
	2021-22	**8000**	**22000**	**14000**

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 (as approved by the state government)
- 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

7. Faculty:

Course/Branch wise list Faculty members:

1) Civil Engineering:

Sr. No.	Name of Faculty
1	Dr. K. C. Shaikh
2	Mr. S. N. Godse
3	Mr. B. R. Patil
4	Mr. S. V. Kumbhar
5	Mr. A. A. Patil
6	Mr. R. T. Gujar
7	Miss P. P. Nalawade
8	Miss K. M. Nalawade
9	Miss P. P. Kale

2) Computer Engineering:

Sr. No.	Name of Faculty
1	Mr. Ghorpade B. S.
2	Mrs. Shinde M. A.
3	Mr. Urunkar B.S.
4	Ms. Tone A.D.
5	Ms. Bagwan A. A.
6	Mrs. Palkar N.M.
7	Ms. Jadhav B.S.
8	Ms. Jadhav M.R.
9	Ms. Pawar D.S.
10	Ms. Mujawar N.S.

3) Electrical Engineering:

Sr. No.	Name of Faculty
1	Mrs. Patil P. S.
2	Mr. Bhujbal M.D
3	Mr. Bhongale R.S
4	Mr. Bhosale V.B
5	Mr. Raut Y.B
6	Mr. Borate A.D
7	Miss. Jadhav P.M.
8	Mrs. Utekar A. P.

4) Electronics & Telecommunication Engineering:

Sr. No.	Name of Faculty
1	Mr. Jagtap J.B.
2	Mrs. Jadhav S.M.
3	Mrs. Patil S.S.
4	Mr. Suryavanshi G.M.
5	Mrs.Khadtare D.A.
6	Mrs. Ghorpade B.A.
7	Mr. Yadav T.D.

5) **Mechanical Engineering:**

Sr. No.	Name of Faculty
1	Devi Narendra Balkrishnadas
2	Sherkar Sachin Ganesh
3	Zore Prathamesh Vijay
4	Yewale Sameer Shivaji
5	Waghmode Dattatray Ramchandra
6	Jadhav Suraj Sarjerao
7	Dhanawade Kishor Babanrao
8	Kumbhar Raviindra Vasant
9	Momin Nihal Faiyaz
10	Sakhare Komal Haribhau
11	Mane Rahul Santosh

- **Permanent Faculty:** 11
- **Adjunct Faculty:** Nil
- **Permanent Faculty: Student Ratio =** 1:0.00873
- **Number Of Faculty Employed And Left During The Last Three Years**:

8. Profile :

Principal:

Name of Principal	Dr. Shaikh Karim Chandulal	
Date of Birth	03/07/1964	
Unique id (AICTE)		
Education Qualification	M.Sc.M.Phil, P.hD. (Tec.Edn)	
Work Experience a Teaching	34	
Research	--	
Industry	--	
others	**---**	
Area of Specialization	**Chemistry, Technical Education (Interdisciplinary)**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Basic Chemistry, Applied Chemistry (FY), Environmental Studies, (S.Y. Diploma) EDP, (T.Y. Diploma)**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**--**	
Master	**Chemistry**	
Ph.D.	**Technical Education (Interdisciplinary)**	
Projects Carried out	**--**	
Patents	**--**	
Technology Transfer	**--**	
Research Publications	**--**	
No of Books published with details	**1) Handbook of Devel.of life Skills** **2) Practical Book of DLS (MSBTE Publication)**	

➢ Faculty:

1) Civil Engineering:

Name of Faculty	**Mr. Sanjay Narayanrao Godse**	
Date of Birth	**19/05/1964**	
Unique id (AICTE)	**405991202732**	
Education Qualification	**B.E.(Civil) M.E.(Structures)**	
Work Experience a Teaching	**35 Years**	
Research	**Nil**	
Industry	**Nil**	
others	**Nil**	
Area of Specialization	**Civil Engg, Structural Engineering, Consultancy Work, TPA**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Applied Mechanics, Building Construction, Strength of Materials, Capstone Project Planning, Capstone Project – Execution and Report Writing**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**M.E. (Civil - Structures)**	
Ph.D.	**Nil**	
Projects Carried out	**Rain Water Harvesting, Landscaping, Drip Irrigation**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No. of Books published with details	**Nil**	

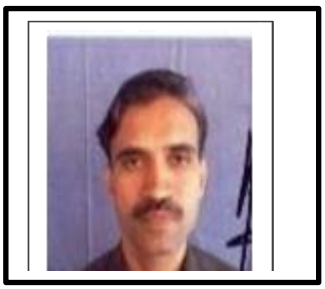
➢ Faculty:

Name of Faculty	**Mr. Balasaheb Ranganath Patil**	
Date of Birth	**02/06/1962**	
Unique id (AICTE)	**624116335582**	
Education Qualification	**B.E.(Civil)**	
Work Experience a Teaching	**36 Years**	
Research	**Nil**	
Industry	**Nil**	
others	**Nil**	
Area of Specialization	**Civil Engineering**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Basics Surveying, Construction Materials, Highway Engineering, Building Construction, Advanced Surveying, Railway and Bridge Engineering, Estimating and Costing**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**Nil**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No. of Books published with details	**Nil**	

- **Faculty:**

Name of Faculty	**Mr. Shailendra Vishnu Kumbhar**	
Date of Birth	**10/07/1965**	
Unique id (AICTE)	**777494899475**	
Education Qualification	**B.E.(Civil) M.E.(Structures)**	
Work Experience a Teaching	**35 Years**	
Research	**Nil**	
Industry	**Nil**	
others	**Carrying Testing & Consultancy**	
Area of Specialization	**Structures**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Concrete Technology, Geo-Technical Engineering, Design of Steel & RCC Structures, Maintenance and Repairs of Structures**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**M.E. (Civil - Structures)**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No. of Books published with details	**Nil**	

➢ Faculty:

Name of Faculty	**Mr. Arvind Anandrao Patil**	
Date of Birth	**10/12/1965**	
Unique id (AICTE)	**642965026761**	
Education Qualification	**B.E.(Civil) M.E.(Structures)**	
Work Experience a Teaching	**31 Years**	
Research	**Nil**	
Industry	**02**	
others	**Nil**	
Area of Specialization	**Civil Engineering- Structures**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Applied Mechanics, Mechanics of Structures, Theory of Structures, Building Planning and Drawing, Water Resource Engineering**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**M.E.(Civil-Structures)**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No. of Books published with details	**Nil**	

➢ Faculty:

Name of Faculty	**Mr. Rajendra Thakordas Gujar**	
Date of Birth	**25/03/1965**	
Unique id (AICTE)	**527996772416**	
Education Qualification	**B.E.(Civil)**	
Work Experience a Teaching	**30 Years**	
Research	**Nil**	
Industry	**Nil**	
others	**Nil**	
Area of Specialization	**Civil Engineering**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Highway Engineering, Hydraulics, Building Planning and Drawing, Public Health Engineering, Entreprenuership Development**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**Nil**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No. of Books published with details	**Nil**	

➢ Faculty:

Name of Faculty	**Miss Pooja Prakash Nalawade**	
Date of Birth	**19/06/1990**	
Unique id (AICTE)	**206028612851**	
Education Qualification	**B.E.(Civil)**	
Work Experience a Teaching	**07 Years**	
Research	**Nil**	
Industry	**01 Year**	
others	**Nil**	
Area of Specialization	**Civil Engineering**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Railway and Bridge Engineering, Building Planning and Drawing, Solid Waste Management, Capstone Project – Execution and Report Writing**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**Nil**	
Ph.D.	**Nil**	
Projects Carried out	**Precast Concrete Members, Rural Development**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No. of Books published with details	**Nil**	

- **Faculty:**

Name of Faculty	**Miss Kajal Maruti Nalawade**	
Date of Birth	**16/04/1994**	
Unique id (AICTE)	**361230451342**	
Education Qualification	**B.E.(Civil)**	
Work Experience a Teaching	**04 Years**	
Research	**Nil**	
Industry	**Nil**	
others	**Nil**	
Area of Specialization	**Civil Engineering**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Applied Mechanics, Construction Materials, Building Construction, Environmental Studies, Hydraulics, Rural Development, Capstone Project Planning, Management, Capstone Project – Execution and Report Writing**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**Nil**	
Ph.D.	**Nil**	
Projects Carried out	**Advanced Construction Techniques, Eco-friendly House, Maintenance of Roads**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No. of Books published with details	**Nil**	

➢ Faculty:

Name of Faculty	**Miss Priyanka Prakash Kale**	
Date of Birth	**23/08/1995**	
Unique id (AICTE)	**789043792016**	
Education Qualification	**B.E.(Civil)**	
Work Experience a Teaching	**03 Years**	
Research	**Nil**	
Industry	**Nil**	
others	**Nil**	
Area of Specialization	**Civil Engineering**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Concrete Technology, Computer Aided Drawing, Geo-Technical Engineering, Water Resource Engineering, Estimating and Costing, Contracts and Accounts, Emerging Trends in Civil Engineering, Construction Management**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**Nil**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No. of Books published with details	**Nil**	

2) Computer Engineering:

Faculty:

Name of Teaching Staff	**Mr Ghorpade B.S.**	
Date of Birth	**27/05/87**	
Unique id	**-**	
Education Qualification	**M.E Computer Engineering**	
Work Experience a Teaching	**11**	
Research	**-**	
Industry	**-**	
others	**-**	
Area of Specialization	**Compute Eng.**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**1.Microprocessor (22415) 2.Mobile Application Development(22617) 3.Computer Graphics(22318) 4.Envirmental Studies(22447)**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**03**	
Master	**M.E Computer Engineering**	
Ph.D.	**-**	
Projects Carried out	**-**	
Patents	**-**	
Technology Transfer	**-**	
Research Publications	**-**	
No of Books published with details	**1.Microprocessor**	

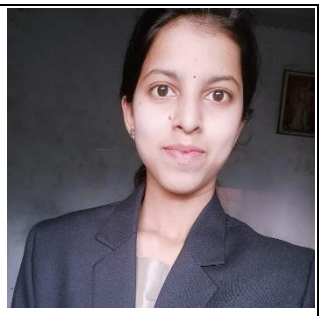
Faculty:

Name of Teaching Staff	**Mrs. Mohini Ashok Shinde**	
Date of Birth	**06/09/1990**	
Unique id		
Education Qualification	**ME(Computer Network)**	
Work Experience a Teaching	**09**	
Research	**-**	
Industry	**-**	
others	**-**	
Area of Specialization	**Computer Networks**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**OSY, WPD,DCC, ICT,STE, CHM, MAP,DTE, WSP, EDP**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**02**	
Master	**ME(Computer Networks)**	
Ph.D.	**-**	
Projects Carried out	**-**	
Patents	**-**	
Technology Transfer	**-**	
Research Publications	**-**	
No of Books published with details	**-**	

Faculty:

Name of Teaching Staff	**Mr. Urunkar Omkar R.**	
Date of Birth	**11/12/1989**	
Unique id		
Education Qualification	**M.E Computer Engineering**	
Work Experience a Teaching	**08**	
Research	**-**	
Industry	**-**	
others	**-**	
Area of Specialization	**Programming**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**OOP,PWP,JPR,PIC,DSU**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**02**	
Master	**M.E Computer Engineering**	
Ph.D.	**-**	
Projects Carried out	**-**	
Patents	**-**	
Technology Transfer	**-**	
Research Publications	**-**	
No of Books published with details	**-**	

Faculty:

Name of Teaching Staff	**Ms. Tone Ambika D.**	
Date of Birth	**24/12/1998**	
Unique id		
Education Qualification	**BTech(Computer Science)**	
Work Experience a Teaching	**01**	
Research	**-**	
Industry	**-**	
others	**-**	
Area of Specialization	**Software Engineering**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**SEN,CGR,CPH, WBP**	
Research guidance a No. of papers published in National/ International Journals/ Conferences		
Master		
Ph.D.	**-**	
Projects Carried out	**-**	
Patents	**-**	
Technology Transfer	**-**	
Research Publications	**-**	
No of Books published with details	**-**	

Faculty:

Name of Teaching Staff	Ms. Bagwan Aasifa A.	
Date of Birth	**07/11/1998**	
Unique id		
Education Qualification		
Work Experience a Teaching	**06 Month**	
Research	-	
Industry	-	
others	-	
Area of Specialization	**Software Testing**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**ST, DMS,PIC**	
Research guidance a No. of papers published in National/ International Journals/ Conferences		
Master		
Ph.D.	-	
Projects Carried out	-	
Patents	-	
Technology Transfer	-	
Research Publications	-	
No of Books published with details	-	

Faculty:

Name of Teaching Staff	**Mrs. Palkar Neelam M.**	
Date of Birth	**23/07/1988**	
Unique id		
Education Qualification	BE (Computer Science)	
Work Experience a Teaching	**04**	
Research	**-**	
Industry	**-**	
others	**-**	
Area of Specialization	**Data Structure using c**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**DSU,CSS,DCC,CN,WPD**	
Research guidance a No. of papers published in National/ International Journals/ Conferences		
Master		
Ph.D.	**-**	
Projects Carried out	**-**	
Patents	**-**	
Technology Transfer	**-**	
Research Publications	**-**	
No of Books published with details	**-**	

Faculty:

Name of Teaching Staff	**Ms. Jadhav Bhavana Snil.**	
Date of Birth	**30/08/1998**	
Unique id		
Education Qualification	BE (Computer Science)	
Work Experience a Teaching	**06 Month**	
Research	**-**	
Industry	**-**	
others	**-**	
Area of Specialization	**Java**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**JAVA, DMS,EST**	
Research guidance a No. of papers published in National/ International Journals/ Conferences		
Master		
Ph.D.	**-**	
Projects Carried out	**-**	
Patents	**-**	
Technology Transfer	**-**	
Research Publications	**-**	
No of Books published with details	**-**	

Faculty:

Name of Teaching Staff	**Ms. Jadhav Mayuri R.**	
Date of Birth	**02/09/1998**	
Unique id		
Education Qualification	BTech (Computer Science)	
Work Experience a Teaching		
Research	-	
Industry	-	
others		
Area of Specialization	Software Engineering	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	SEN	
Research guidance a No. of papers published in National/ International Journals/ Conferences		
Master		
Ph.D.	-	
Projects Carried out	-	
Patents	-	
Technology Transfer	-	
Research Publications	-	
No of Books published with details	-	

Faculty:

Name of Teaching Staff	**Ms. Pawar Dhanashree Sambhaji**	
Date of Birth	**4/01/1997**	
Unique id		
Education Qualification	BE (Computer Science)	
Work Experience a Teaching		
Research	-	
Industry	-	
others		
Area of Specialization	Software Engineering	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level		
Research guidance a No. of papers published in National/ International Journals/ Conferences		
Master		
Ph.D.	-	
Projects Carried out	-	
Patents	-	
Technology Transfer	-	
Research Publications	-	
No of Books published with details	-	

Faculty:

Name of Teaching Staff	**: Ms. Mujawar Nilofar Shabbir**	
Date of Birth	**17/10/1988**	
Unique id		
Education Qualification	**M.E Computer Engineering**	
Work Experience a Teaching	**07**	
Research	**-**	
Industry	**-**	
others	**-**	
Area of Specialization	**Programming**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**DMS,GAD,PHP,CSS**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**02**	
Master	**M.E Computer Engineering**	
Ph.D.	**-**	
Projects Carried out	**-**	
Patents	**-**	
Technology Transfer	**-**	
Research Publications	**-**	
No of Books published with details	**-**	

3) Electrical Engineering:

Faculty:

Name of Teaching Staff	Mrs.Patil Pooja Sarjerao	
Date of Birth	14/01/1963	
Unique id	395169447965	
Education Qualification	B.E Electrical	
Work Experience a Teaching	36 Years	
Research	-	
Industry	-	
others	-	
Area of Specialization	Electrical Machines	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	AC Machines DC machines and Transformers	
Research guidance a No. of papers published in National/ International Journals/ Conferences		
Master	-	
Ph.D.	-	
Projects Carried out	-	
Patents	-	
Technology Transfer	-	
Research Publications	-	
No of Books published with details	-	

Faculty:

Name of Teaching Staff	Mr. Bhujbal Mahesh Dilip	
Date of Birth	08/11/1987	
Unique id	457455345633	
Education Qualification	B.E Electrical	
Work Experience a Teaching	11 Years	
Research	-	
Industry	1 Year	
others	-	
Area of Specialization	Electrical Machines, Electrical Circuits and Networks, Electrical Power System	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	Energy conservation and Audit Switchgear and Protection Testing and maintenance of electrical machines Electrical power transmission and distribution	
Research guidance a No. of papers published in National/ International Journals/ Conferences		
Master	Appeared for M.E power System	
Ph.D.	-	
Projects Carried out	-	
Patents	-	
Technology Transfer	-	
Research Publications	-	
No of Books published with details	-	

Faculty:

Name of Teaching Staff	Mr.Bhongale Rajeev Sopan	
Date of Birth	27/04/1986	
Unique id	863722088931	
Education Qualification	B.E. Electronics	
Work Experience a Teaching	11 Years	
Research	No	
Industry	No	
others	--	
Area of Specialization	Electrical power generation	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	Electrical power generation, electrical material and wiring, Elements of electrical engineering, Electrical estimation and contracting, Modern Electric Traction.	
Research guidance a No. of papers published in National/ International Journals/ Conferences	--	
Master	Appeared	
Ph.D.	--	
Projects Carried out	--	
Patents	--	
Technology Transfer	--	
Research Publications	--	
No of Books published with details	--	

Faculty:

Name of Teaching Staff	Mr.Bhoasle Vishal Balasaheb	
Date of Birth	15/03/1988	
Unique id	630850874076	
Education Qualification	M.E Electronics	
Work Experience a Teaching	11 Years	
Research	-	
Industry	1 Year	
others	-	
Area of Specialization	Signal Processing	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	Power electronics Elements of electronics Digital systems and microcontroller Electrical measurements	
Research guidance a No. of papers published in National/ International Journals/ Conferences	02	
Master	M.E Signal Processing	
Ph.D.	-	
Projects Carried out	-	
Patents	-	
Technology Transfer	-	
Research Publications	02	
No of Books published with details	-	

Faculty:

Name of Teaching Staff	Mr.Raut Yogeshkumar Balkrishna	
Date of Birth	15/06/1989	
Unique id	596878708911	
Education Qualification	M.E Electrical	
Work Experience a Teaching	10 Years	
Research	-	
Industry	-	
others	-	
Area of Specialization	Control System, Electrical Machines, Electrical Circuits and Networks	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	Electrical Circuits and Networks Utilization of Electrical energy Illumination and electrification of Buildings Fundamentals of Electrical Engineering	
Research guidance a No. of papers published in National/ International Journals/ Conferences	3 Papers	
Master		
Ph.D.	-	
Projects Carried out	-	
Patents	-	
Technology Transfer	-	
Research Publications	2 Papers published in international journals and 1 in international conference	
No of Books published with details	-	

Faculty:

Name of Teaching Staff	Mr.Borate Achyut Dashrath	
Date of Birth	10/10/1986	
Unique id	990564379935	
Education Qualification	M.E Electrical	
Work Experience a Teaching	07 Years	
Research	-	
Industry	1 Year	
others	-	
Area of Specialization	Electrical Measurements and instrumentation	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	Electrical and Electronic measurements Industrial Instrumentation Basic electrical and electronics Management	
Research guidance a No. of papers published in National/ International Journals/ Conferences		
Master	Electrical Power System	
Ph.D.	-	
Projects Carried out		
Patents	-	
Technology Transfer	-	
Research Publications	-	
No of Books published with details	-	

Faculty:

Name of Faculty	Miss.Jadhav Poonam Mohan	
Date of Birth	01/08/1995	
Unique id (AICTE)	-	
Education Qualification	B.E Electrical	
Work Experience a Teaching	2.5 years	
Research	-	
Industry	-	
others	-	
Area of Specialization	-	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Electrical Power Generation (22327)** **Illumination and Electrification Of Buildings(22530)** **Electric Substation Practices(22633)** **Utilization of Electrical Energy(22626)**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	-	
Master	-	
Ph.D.	-	
Projects Carried out	**Hybrid Power Generation Monitoring & Controlling Using IOT**	
Patents	-	
Technology Transfer	-	
Research Publications	-	
No of Books published with details	-	

Faculty:

Name of Faculty	Mrs. Utekar A.P.	
Date of Birth	13/10/1983	
Unique id (AICTE)	-	
Education Qualification	B.E Electrical	
Work Experience a Teaching	-	
Research	-	
Industry	1 Year	
others	-	
Area of Specialization	-	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Fundamental of Electrical Engg.(22212)** **Environmental Studies (22447)**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	-	
Master		
Ph.D.		
Projects Carried out	**Flexible A.C Transmission system by Static Variable Compensator.**	
Patents	-	
Technology Transfer	-	
Research Publications	-	
No of Books published with details	-	

4) Electronics & Telecommunication Engineering:

Name of Teaching Staff	**Mr. Jagtap Jayawant Bhimrao**	
Date of Birth	**14/11/1963**	
Unique id	**464389167208**	
Education Qualification	**M.E. Instrumentation**	
Work Experience a Teaching	**32 year**	
Research	**Nil**	
Industry	**Nil**	
others	**Nil**	
Area of Specialization	**Instrumentation**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**C Programming Language, Electronic Measurement and Instrumentation, Microcontroller and Applications, Embedded systems**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**2**	
Master	**Instrumentation**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No of Books published with details	**Nil**	

ame of Teaching Staff	**Mrs. Jadhav Sushma Mayur**	
Date of Birth	**06/04/1984**	
Unique id	**446984793151**	
Education Qualification	**M. Tech (Electronics)**	
Work Experience a Teaching	**13 years**	
Research	**Nil**	
Industry	**Nil**	
Others	**Nil**	
Area of Specialization	**Power Electronics**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Power Electronics, Applied Electronics, Basic Electronics, Optical Fiber Communication, Microwave & Radar Communication, C Programming, Digital Image Processing, Antenna & Wave propagation**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**03**	
Master	**Electronics**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No of Books published with details	**Nil**	

Name of Teaching Staff	**Mrs. Patil Swati Sanjay**	
Date of Birth	**18/01/1979**	
Unique id	**481437845258**	
Education Qualification	**B.E. (Instrumentation)**	
Work Experience a Teaching	**13 Years**	
Research	**Nil**	
Industry	**4 Years**	
Others	**Nil**	
Area of Specialization	**Instrumentation**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Basic Electronics ,** **Control System, Industrial Measurement,** **Electronic Instrument & Measurement,** **Linear Integrated Circuits,** **Measurement & Control,** **Basic Electronics & Mechatronics,** **Analog communication,** **Basic electrical & electronics**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**Nil**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No of Books published with details	**Nil**	

Name of Teaching Staff	**Mr Suryavanshi Ganesh Mahadev**	
Date of Birth	**11/09/1991**	
Unique id	**528886926250**	
Education Qualification	**M.E. Electronics**	
Work Experience a Teaching	**6 Years**	
Research	**Nil**	
Industry	**Nil**	
others	**Nil**	
Area of Specialization	**Digital Electronics**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Power Electronics, Mobile & wireless Communication, Digital Communication System, Electric Circuits & Network**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**2**	
Master	**Digital Electronics**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No of Books published with details	**Nil**	

Name of Teaching Staff	**Mrs. Khadtare Dhanashri Avinash**	
Date of Birth	**03/06/1988**	
Unique id	**267831336535**	
Education Qualification	**B.E. (Instrumentation)**	
Work Experience a Teaching	**2 Years**	
Research	**Nil**	
Industry	**Nil**	
Others	**Nil**	
Area of Specialization	**Instrumentation**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Instrument Mechanics, Principles of Electronics Communication, Fundamental of ICT, Workshop Practice**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**Nil**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No of Books published with details	**Nil**	

Name of Teaching Staff	**Mrs. Ghorpade Bhagyashri Abhijit**	
Date of Birth	**13/07/1993**	
Unique id	**499585801219**	
Education Qualification	**M.E. E & TC**	
Work Experience a Teaching	**3 Years**	
Research	**Nil**	
Industry	**Nil**	
others	**Nil**	
Area of Specialization	**VLSI & Embedded System**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Microcontroller & its Applications, Data Structure And algorithm, Basic Electrical & Electronics, Microwave Engineering, Control System, Environmental Engg.**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**Electronics & Telecommunication**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No of Books published with details	**Nil**	

5) Mechanical Engineering:

Name of Faculty	**Devi Narendra Balkrishnadas**	
Date of Birth	**13-09-1964**	
Unique id	**1-481876541**	
Education Qualification	**M.E.(Mechanical - Production)**	
Work Experience a Teaching	**34 years**	
Research	**--**	
Industry	**02**	
others	**--**	
Area of Specialization	**Mechanical-Production**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Fluid Mechanics and Machinery, Engineering Metrology, Industrial Fluid Power Mechanical Engineering Materials**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**02**	
Master	**M. E. (Mechanical – Production)**	
Ph.D.	**--**	
Projects Carried out	**--**	
Patents	**--**	
Technology Transfer	**--**	
Research Publications	**--**	
No of Books published with details	**Mechanical Engineering Materials**	

Name of Faculty	**Sherkar Sachin Ganesh**	
Date of Birth	**13.03.1964**	
Unique id	**I-481876537**	
Education Qualification	**M.E.(Mechanical - Production)**	
Work Experience a Teaching	**33 years**	
Research	**Nil**	
Industry	**3 years**	
others	**Nil**	
Area of Specialization	**Mechanical-Production**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**At diploma level- Engg Graphics, Manufacturing process, Power Engg.**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**02.**	
Master	**M.E.(Mechanical - Production)**	
Ph.D.	**Nil**	
Projects Carried out	**At diploma level**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No of Books published with details	**Nil**	

Name of Faculty	**Zore Prathamesh Vijay**	
Date of Birth	**17/03/1987**	
Unique id	**959453149748**	
Education Qualification	**B.E.(Mechanical)**	
Work Experience a Teaching	**09 Years**	
Research	**Nil**	
Industry	**Nil**	
others	**Nil**	
Area of Specialization	**Mechanical Engineering**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Mechanical Working Drawing, Theory of machines, Computer Aided Drafting, Design of Machine Elements, Mechanical Engg. Measurements**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**M.E. Heat Power (Appeared)**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No of Books published with details	**Nil**	

Name of Faculty	**Yewale Sameer Shivaji**	
Date of Birth	**08/03/1991**	
Unique id		
Education Qualification	**B.E(Mechanical),M.E (Heat Power)**	
Work Experience a Teaching	**9**	
Research	**Experimental Investigation of Performance and Emission Characteristics of Diesel Fuelled With Mexicana Methyl Ester.**	
Industry	**-**	
others	**-**	
Area of Specialization	**Heat Power**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Mechanical Working Drawing, Mechanical Engineering materials, Theory Of Machine, Industrial Fluid Power, Engineering graphics, Thermal Engineering, Heating ventilation And Air- conditioning**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**01**	
Master	**M.E- Heat Power**	
Ph.D.	**-**	
Projects Carried out	**-**	
Patents	**-**	
Technology Transfer		
Research Publications	**Experimental Investigation of Performance and Emission Characteristics of Diesel Fuelled With Mexicana Methyl Ester.**	
No of Books published with details	**-**	

Name of Faculty	**Waghmode Dattatray Ramchandra**	
Date of Birth	**10th Oct 1990**	
Unique id	**332724787663**	
Education Qualification	**ME Heat Power**	
Work Experience a Teaching	**9**	
Research	**Performance and Emission Analysis of a Diesel Engine Fuelled with Waste Turmeric oil**	
Industry	**No**	
others	**Nil**	
Area of Specialization	**Heat power**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Thermal engg, Mechanical Engg Measurement, Power Plant Engg, Fundamental of Mechatronics**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**Nil**	
Master	**M. E. (Heat power)**	
Ph.D.	**Nil**	
Projects Carried out	**Nil**	
Patents	**Nil**	
Technology Transfer	**Nil**	
Research Publications	**Nil**	
No of Books published with details	**Nil**	

Name of Faculty	**Jadhav Suraj Sarjerao**	
Date of Birth	**09-Feb-1987**	
Unique id	**1-2071001824**	
Education Qualification	**M.E.(Heat Power), M.B.A (Operations)**	
Work Experience a Teaching	**09 years**	
Research	**-**	
Industry	**-**	
others	**-**	
Area of Specialization	**Mechanical Engineering**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Management, Engineering Metrology, Industrial Engineering and Quality Control, Autocad, Solid Modeling**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**03**	
Master	**Yes**	
Ph.D.	**-**	
Projects Carried out	**Experimental Investigation of Multinozzle vortex tube using Air as Working fluid**	
Patents	**-**	
Technology Transfer	**-**	
Research Publications	**03**	
No of Books published with details	**-**	

Name of Faculty	**Dhanawade Kishor Babanrao**	
Date of Birth	**06/02/1986**	
Unique id	**1-2071001784**	
Education Qualification	**M.E.(MECHANICAL)**	
Work Experience a Teaching	**9 YEARS**	
Research	**IN I.C.ENGINE AREA**	
Industry	**-**	
others	**-**	
Area of Specialization	**HEAT POWER ENGG.**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**THERMAL ENGG. , BASIC MECHANICAL ENGG. , FLUID MECHANICS AND MACHINEARY,COMPUTER AIDED DRAFTING,AUTOMOBILE ENGG.,SOLID MODELLING**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**01**	
Master	**M.E.(HEAT POWER), MCAD**	
Ph.D.	**-**	
Projects Carried out	**Influence of N-Butanol additives with Terminalia Methyl Ester as a fuel on Engine Emission Characteristics**	
Patents	**-**	
Technology Transfer	**-**	
Research Publications	**-**	
No of Books published with details	**-**	

Name of Faculty	**Kumbhar Raviindra Vasant**	
Date of Birth	**10/05/1989**	
Unique id	**804004008235**	
Education Qualification	**BE Production Engg**	
Work Experience a Teaching	**8 Years**	
Research	**-**	
Industry	**3 Years**	
others	**-**	
Area of Specialization	**Design Engg**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Engineering Graphics, Advanced Manufacturing Processes, Elements of Mechanical Engineering, CNC Programming, Renewable Energy Technology, Theory of Machines, Applied Mechanics**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**-**	
Master	**Appearing**	
Ph.D.	**-**	
Projects Carried out	**-**	
Patents	**-**	
Technology Transfer	**-**	
Research Publications	**-**	
No of Books published with details	**-**	

Name of Faculty	**Momin Nihal Faiyaz**	
Date of Birth	**18/06/1990**	
Unique id		
Education Qualification	**BE Production**	
Work Experience a Teaching	**9 Yrs.**	
Research	**-**	
Industry	**-**	
others	**-**	
Area of Specialization	**Production**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Engineering Graphics, Engineering Drawing, Mechanical engineering Materials, Manufacturing Processes.**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**1**	
Master	**Appearing**	
Ph.D.	**-**	
Projects Carried out	**Experimentation work is running**	
Patents		
Technology Transfer	**-**	
Research Publications	**-**	
No of Books published with details	**-**	

Name of Faculty	**Sakhare Komal Haribhau**	
Date of Birth	**27/2/1991**	
Unique id	**520647169630**	
Education Qualification	**B.E. Mechanical engineering**	
Work Experience a Teaching	**7 years**	
Research	**No**	
Industry	**No**	
others	**No**	
Area of Specialization	**Mechanical engineering**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Fundamentals of Mechatronics Measurements and Control Industrial, Fluid Power Engineering, Engineering Graphics, Environmental studies**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**No**	
Master	**No**	
Ph.D.	**No**	
Projects Carried out	**No**	
Patents	**No**	
Technology Transfer	**No**	
Research Publications	**No**	
No of Books published with details	**No**	

Name of Faculty	**Mane Rahul Santosh**	
Date of Birth	**16/02/1991**	
Unique id		
Education Qualification	**B.E. Production Engineering**	
Work Experience a Teaching	**8 years**	
Research	**No**	
Industry	**No**	
others	**No**	
Area of Specialization	**Production Engineering**	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate / Post Graduate Diploma Level	**Design of Machine Elements, Material Manufacturing Processes Management, Environmental Studies, Theory Of Machines,**	
Research guidance a No. of papers published in National/ International Journals/ Conferences	**No**	
Master	**No**	
Ph.D.	**No**	
Projects Carried out	**No**	
Patents	**No**	
Technology Transfer	**No**	
Research Publications	**No**	
No of Books published with details	**No**	

9. Fee:

- Details of Fee, as approved by State Fee Committee, for the Institution - Rs.62000/-
- Time schedule for payment of Fee for the entire Programme - At The time of Admission
- No. of Fee waivers granted with amount and name of students
  Total no students 35

Roll NO	Name of Student	Type of Fee waiver	granted amount	Class
FY				
104	BHANDARI SATYAM RAMKISAN	TFWS	56364	FYCE
136	SALUNKHE PRATIKSHA RAJENDRA *	TFWS	56364	FYCE
206	BAGWAN JUNED AJAZ	TFWS	56364	FYCO
246	RAJPAL NEERAJ ANIL	TFWS	56364	FYCO
247	SALUNKHE PRATHAMESH RAMESH	TFWS	56364	FYCO
307	GOLE VIGHNESH PRAVIN	TFWS	56364	FYEE
309	MAHAMULKAR PRATIK KALYAN	TFWS	56364	FYEE
324	MALUSARE ADITI PANDURANG	TFWS	56364	FYEE
416	SHENDE SARTHAK SANTOSH	TFWS	56364	FYEJ
418	SHINDE OMKAR PRATAPSINH	TFWS	56364	FYEJ
507	DANGE OMKAR ABAJI	TFWS	56364	FYME
510	GOSAVI MALHAR MOHAN	TFWS	56364	FYME
512	KHAN ZEESHAN ZUBER	TFWS	56364	FYME
517	MOHITE OMKAR JAGANNATH	TFWS	56364	FYME
527	SALUNKHE ANIKET SACHIN	TFWS	56364	FYME
SY				
14	KULKARNI TEJAS DILIP	TFWS	45182	SYCE
34	NESARIKAR AVIRAT UDAYKUMAR	TFWS	45182	SYCE
14	NALAWADE TEJAS SURAJ	TFWS	45182	SYCO
17	RAJEMAHADIK SHRUTEE MAHESH*	TFWS	45182	SYCO
22	SHIRKE SHIVANI ANIL*	TFWS	45182	SYCO
TY				
13	KADAM JEEVAN JITENDRA	TFWS	59576	TYCE
18	KORDE TEJAS SHANTARAM	TFWS	59576	TYCE

42	SAWANT SHRIYASH BHIKOBA	TFWS	59576	TYCE
43	SHAIKH UMAR SHAKIL	TFWS	59576	TYCE
46	SURYAWANSHI AKASH BALASO	TFWS	59576	TYCE
19	MORE AKANKSHA VIJAY *	TFWS	59576	TYCO
24	PAWAR AAKANKSHA JANARDAN*	TFWS	59576	TYCO
25	PAWAR DISHA SAGAR *	TFWS	59576	TYCO
8	KALBHOR KANCHAL SANJAY *	TFWS	59576	TYEE
12	PATANGE YOGITA MAHADEV *	TFWS	59576	TYEE
3	BHOSALE PRASAD JAYAWANT	TFWS	59576	TYME
5	DANGE CHANDANA ABAJI *	TFWS	59576	TYME
8	ITHAPE PRASAD DILIP	TFWS	59576	TYME
9	JADHAV KUNAL SANDIP	TFWS	59576	TYME
21	MULLA OWAIS KASAM	TFWS	59576	TYME

- Number of scholarships offered by the Institution, duration and amount
  Name of Scholarship:Karmaveer Bhaurao Patil Scholarship for academic year 2019-20
  Duration of scholarship:Academic Year 2019-20
  Amount of Scholarship:62,000/-
- Criteria for Fee waivers/scholarship
  Over & Above 5% of sanctioned intake as per merit.
- Estimated cost of Boarding and Lodging in Hostels - 50 Lakhs

- Any other fee please specify

Number of Students admitted under various categories each year in the last three years

Sr. No	Category	2019-20	2020-21	2021-22
1	Open	**104**	**101**	**139**
2	OBC	**37**	**28**	**29**
3	SC	**33**	**59**	**41**
4	VJ/DT	**07**	**22**	**17**
5	NT	**10**	**11**	**12**
6	SBC	**01**	**03**	**05**
7	ST	**01**	**03**	**02**

- **Number of applications received during last two years for admission under Management Quota and number admitted**

Number of applications received during last two years for admission under Management Quota	12+6=18
Number of students admitted under Management Quota	10+4=14

10. Admission

- **Number of seats sanctioned with the year of approval.**

Sr. No	Branch	Year of approval	Seats Sanctioned
1	Civil Engineering	2021 - 2022	120
2	Computer Engineering	2021 - 2022	120
3	Electrical Engineering	2021 - 2022	60
4	Electronics & Telecommunication Engineering	2021 - 2022	60
5	Mechanical Engineering	2021 - 2022	60

- **Number of Students admitted under various categories each year in the last three years**

Sr. No	Category	2019-20	2020-21	2021-22
1	Open	**104**	**101**	**139**
2	OBC	**37**	**28**	**29**
3	SC	**33**	**59**	**41**
4	VJ/DT	**07**	**22**	**17**
5	NT	**10**	**11**	**12**
6	SBC	**01**	**03**	**05**
7	ST	**01**	**03**	**02**

- **Number of applications received during last two years for admission under Management Quota and number admitted**

Number of applications received during last two years for admission under Management Quota	12+6=18	
Number of students admitted under Management Quota	10+4=14	

11. Admission Procedure

- Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)
- Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)

➢ **Calendar for admission against Management/vacant seats:**

- Last date of request for applications
- Last date of submission of applications
- Dates for announcing final results

- 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 15days)
- Last date for closing of admission
- Starting of the Academic session
- 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

13. List of Applicants

- List of candidates whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidates who have applied along with percentage and percentile score for Management quota seats (merit wise)

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 candidates 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

15. Information of Infrastructure and Other Resources Available

- Number of Class Rooms and size of each: 16 Nos., Approx. Size: 67.34 Sq. mt.
- Number of Tutorial rooms and size of each: 04 Nos., Approx. Size: 33 Sq. mt.
- Number of Laboratories and size of each: 26 Nos., Approx. Size: 67.04 Sq. mt.
- Number of Drawing Halls with capacity of each: 01 No., Area: 133.75 Sq. mt.
- Number of Computer Centres with capacity of each: 02 Nos., Approx. Size: 49.06 Sq. mt.
- Central Examination Facility, Number of rooms and capacity of each: ------
- Online examination facility (Number of Nodes, Internet bandwidth, etc.): ------
- Barrier Free Built Environment for disabled and elderly persons: Provision of Lift and Ramp
- Occupancy Certificate - Available
- Fire and Safety Certificate - Available
- Hostel Facilities - Available

➢ **Library:**

- Number of Library books/ Titles/ Journals available (Programme-wise)
  Department Wise Total Book Information

Sr. No	Department	No of Titles	No. of Volumes
1	Civil	1022	5621
2	Computer	273	2604
3	Electrical	311	1492
4	E & TC	766	1880
5	Mechanical	1357	3031
6	General	268	646

Department Wise Total Journal Information

Sr. No	Department	Name of the Journal
1	Civil	Advanced Development in Indian Civil Engineering
2	Civil	Indian Journal of Civil Engineering
3	Civil	Indian Journal Civil Engineering &Technology Research
4	Computer	Digit Magazine (Without CD)
5	Computer	Journal on Computer Science
6	Computer	Journal of Computer Engineering & Technology
7	Electrical	Journal on Power Systems Engineering
8	Electrical	Journal on Electrical Engineering
9	Electrical	Journal of Electrical & Electronics Engineering
10	E & TC	International journal of Electronics & Tele.
11	E & TC	International journal of VLSI
12	E & TC	International Journal of Embedded Systems & Emerging Technologies
13	Mechanical	Journal of Artificial Intelligence, Machine & Soft Computing
14	Mechanical	Journal of Material Science & Manufacturing Technology
15	Mechanical	Journal of Modern Mechanical Systems and Machining
16	Science & Humanities	International Journal of English Language, Literature and Translation Studies
17	Science & Humanities	Journal of Applied Physics
18	Science & Humanities	Journal of Mathematical Modelling and Applied Computing

- List of online National/ International Journals subscribed – Not Available
- E- Library facilities
  National Digital Library Membership
- National Digital Library (NDL) subscription details

➢ **Laboratory and Workshop:**

- List of Major Equipment/Facilities in each Laboratory/Workshop

➢ **Civil Engineering**

S.N.	Name of Equipment	Date of purchase	Qty.	Price of Equipment	DSR No	Remark
Name of Lab: Strength of Materials						
01	UTM (TUE-CN-1000)	31/03/2015	01	9,06,049/-		
02	Electronics extensometer	31/03/2015	01			
03	Tile Abrasion Testing Machine	09/03/1990	01	25,770/-		
04	Tile Flexure Testing Machine	08/06/2010	01	42,666/-		

S.N.	Name of Equipment	Date of purchase	Qty.	Price of Equipment	DSR No	Remark
05	Mechanical Extensometer	31/03/1985	01	9,010/-		
06	BTE makeVikar's brivell hardness test machine	02/09/1994	01	77,352/-		
Name of Lab: Concrete Technology						
01	Compression Strength Machine	20/02/2015	01	2,90,391/-		
02	Los Angles Abrasion Testing Machine	31/01/2015	01	61,104/-		
03	Mortar Cube Vibrating Machine	20/02/2015	01	25,594/-		
04	Vibrating Table for Compaction	31/01/2015	01	21,279/-		
Name of Lab: Geotechnical Engg.						
01	NSW-142 Hot Air Oven	31/03/2009	01	19,690/-		
02	Sieve Shaker	31/01/2015	01	24,255/-		
03	Direct Shear Test Apparatus	20/02/2015	01	83,672/-		
04	Constant Head Tank	31/01/2015	01	7,585/-		

- **Computer Engineering**

1	List of major equipment's/facilities in each laboratory/workshop	54
2	List of experimental setups in each laboratory /workshop	21

- **Electrical Engineering**

S.N.	Name of Equipment	Date of purchase	Qty	Price of Equipment	DSR No	Remark
Name of Lab: Basic Electrical Lab						
1	IDMT over current relay kit	27/03/15	01	43875.00	EE164	
Name of Lab: AC Machine Lab						
1	Three phase dimmerstat 0-440 V 15 Amp MDE make	31/03/2010	1	22500.00	2273	
2	Three phase dimmerstat 0-440 V 15 Amp MDE make	31/03/2010	1	22500.00	2274	
3	Variable Inductive load bank 3 Phase 10Amp	31/03/2010	1	22500.00	2316	
4	3 Phase Induction motor 1500 rpm 415 V With DOL Starter & Loading Arrangement Crompton Grives Make Sr. No.16321	30/10/2010	1	22148.00	2428	
5	Parallel Operation of three Phase alternator DC shunt Motor Three Phase Alternator DC shunt Motor. 230 V 1500 rpm 2KVA 415 V 3 Ph 50 Hz	11/03/2013	1	91605.00	EE01	
6	Synchronizing control panel with starter phase sequence indicator synchroscope frequency meter	11/03/2013	1	43524.00	EE02	
7	Synchronous motor coupled to DC shunt generator 2.2Kw 220v 1500rpm complete base frame coupling arrangement	11/03/2013	1	51475.00	EE05	
8	AC slipring Induction motor with brake pulley loading arrangement 3PH-415V-1440rpm star connected with brake pulley	11/03/2013	1	41803.00	EE014	

S.N.	Name of Equipment	Date of purchase	Qty	Price of Equipment	DSR No	Remark
	loading arrangement with rotor					
9	AC squirrel cage induction motor coupled to DC shunt generator with Stardelta starter(manual semiautomatic starter) 5HP 3PH 415V 1440rpm star connected to 3KW 220v 1500 rpm DC shunt generator	11/03/2013	1	46453.00	EE015	
10	AC slip ring induction motor with rotor resistance starter or with star delta starter(manual semi automatic) 3HP 3PH 415V 1440rpm star connected coupled to 2,2KW 220V DC shunt generator	11/03/2013	1	60915.00	EE017	
11	AC squirrel cage induction motor with Auto transformer starter 5 HP 3 Phase 415 V 1440 rpm star connected coupled to 3 KVA 415V 3 Phase 1500 rpm 50Hz 4 Pole rotor wound /starter excited/Separately excited manually regulated alternator	11/03/2013	1	59985.00	EE019	
12	Connection panel for AC squirrel cage three phase induction motor with mechanical loading arrangement with connection terminal & circuit dia with three phase auto transformer starter	11/03/2013	1	21855.00	EE021	
13	Distribution panel made from ms cubic type made from 16/18 CRCA sheet with power coating complete with internal wiring busbar section mounted on ms frame metering 0-100 Amp type with ASS with CTS 1 Set 0-500 V AC voltmeter type with VSS 1 set RYB solid state indicating lamp 3 Nos incomer 1:100Amp 4 pole 16 KVA MCB 1Nos terminal magnetic type 1 out goings 1:16 Amp f.p. MCB 12No's 32Amp MCB 1 No's incomer 32 Amp 1 Nos out goings 2 : DC outgoings 16 Amp MCB 12No's	11/03/2013	1	55753.00	EE023	
14	Variable resistive load 3 phase 415V 12 Amp/ph resistive load bank provided with switches & insulated terminals	11/03/2013	1	19995.00	EE024	
15	Oil testing kit	08/03/2015	1	21340.00	EE86	
Name of Lab: D C Machine Lab						
1	DC shunt motor 5 HP 220 volt,1500 RPM with breake and pulley arrangement with 3-point starter MDE make	30/10/2010	01	36914	2427	

S.N.	Name of Equipment	Date of purchase	Qty	Price of Equipment	DSR No	Remark
	Sr.No.2010/10/02					
2	DC shunt motor generator set DC shunt motor 3 HP ,220-volt 1500 RPM Sr.No.2010/10/30 coupled to DC shunt generator 3 KVA 220 volt 1500 RPM Sr.No.2010/10/31 complete base frame coupling arrangement MDE make	30/10/2010	01	51680	2429	
3	Transformer rectifier unit input 3 HP 415 volt AC supply output 230 volt 20 amp DC supply transformer with different tapping on primary with tap changing with LED lamps digital metering MCB and load MDE make	30/10/2010	01	37,898	2430	
4	DC series motor with DC shunt generator 3 phase 220 volt,12 amp 1500 RPM series wound 220 volt excitation DC motor (with) 2 point coupled with 2.2 KW/220 volt 1500 RPM DC shunt generator	11/03/2013	01	48,825	EE10	
5	DC shunt motor coupled with manually regulated alternator set DC shunt motor with 3 point starter 3 HP/220 volt/1500 RPM coupled to 2 KVA /415volt/3 phase/1500 RPM/50HZ/four pole/rotor wound starter excited manually regulated alternator with coupling	11/03/2013	01	55,102.50	EE12	
Name of Lab: Electronics Lab						
1	50MHz (1GS/95 RTS,10GSA/S ETS)-DSO Model DS 1052E Sr.No-1214228	25/02/2015	01	23750.00	EE103	
2	Speed control of DC shunt Series Motor Using SCR plot Speed armature Volt characteristic	13/03/2015	01	22373.00	EE75	
3	Speed control of three phase Induction Motor Using PWM Inverter	13/03/2015	01	35269.00	EE76	
Name of Lab: Measurement & Instrumentation lab						
1	Variable choke coil load	30/03/2015	1	27563.00	EE135	

- **Electronics and telecommunication Engineering**

SN	Name of the Equipment's
1	Microwave test bench NV 9004
2	1.5 – 225 MHz, FM/AM signal generator, Model no 2023, Sr No.11 93/3
3	1.5 – 225 MHz, FM/AM signal generator, Model no 2023, Sr No.11 93/3

- **Mechanical Engineering**

S.N.	Name of Equipment	Date of purchase	Qty	Price of Equipment	DSR No	Remark
Name of Lab: Fluid Mechanics and Machinery Laboratory						
1	Centrifugal Pump Test Rig	05/03/2015	01	42243.00	ME/FMM/23	
2	Pelton Wheel Test Rig	20/03/2015	01	43875.00	ME/FMM/20	
Name of Lab: Fluid Power						
1	Hydraulic Trainer Kit	22/07/2010	01	120000.00	ME/FP/01	
Name of Lab: Power Engineering						
1	Two Stage Reciprocating Air Compressor Test Rig	05/03/2015	01	104400.00	ME/PEN/03	
2	Single Cylinder Four Stroke Petrol Engine Test Rig	05/03/2015	01	87113.00	ME/PEN/04	
3	Vapour Compression Refrigeration System	05/03/2015	01	82800.00	ME/PEN/05	
4	Four Stroke Multi Cylinder Petrol Engine Test Rig	05/03/2015	01	302400.00	ME/PEN/06	
Name of Lab: Metrology and Quality Control						
01	Slip Gauge Box Class O,87 pieces Set	11/02/2011	01	49025	ME/MQC/22	
02	Surface Roughness Testing Unit Model SV2100 – SJ301	11/02/2011	01	103600.00	ME/MQC/24	
03	Floating Carriage Diameter Measuring Machine with accessories	11/02/2011	01	49488	ME/MQC/25	
04	Pneumatic Comparator	11/02/2011	01	49613	ME/MQC/38	
05	Profile Projector Model 300-T	11/02/2011	01	146813.00	ME/MQC/42	
06	Angle Gauges Kit 13 pieces	11/02/2011	01	49613	ME/MQC/44	
Name of Lab: Metrology and Quality Control						
01	Metallurgical Microscope	17/09/2018	01	57452	ME/MEM/01	
02	Digital Peel tester	17/09/2018	01	82600	ME/MEM/04	
03	Digital Rockwell Hardness tester	17/09/2018	01	132538	ME/MEM/08	

S.N.	Name of Equipment	Date of purchase	Qty	Price of Equipment	DSR No	Remark
Name of Lab: Workshop						
1	Lathe Machine	01/09/1992	04	51500/- Each	4,5,6,7	
2	Lathe Machine	17/03/2012	05	203644/- Each	9,10,11 ,12,13	

S.N.	Name of Equipment	Date of purchase	Qty	Price of Equipment	DSR No	Remark
3	Lathe Machine	25/03/2016	06	149380/- Each	28,29, 30,31, 32,33	
4	Milling Machine	02/09/2004	01	157269/-	8	
5	Wood Planer cum Thickness planer	28/03/2015	01	80856/-	25	

- List of Experimental Setup in each Laboratory/Workshop

➢ **Civil Engineering**

Sr. No.	Name of Experiment
Subject: Advanced Surveying	
01	Use Plane Table Survey to prepare plans a 5 sided closed traverse by Radiation Method.
02	Use Plane Table Survey to prepare plans locate details by Intersection Method.
03	Use Plane Table Survey to prepare plans locate details by Traversing Method.
04	Use Plane Table Survey to carry out Survey Project for closed traverse for minimum 5 sides around a building.
05	Use transit theodolite to measure Horizontal angle correctly by Direct Method.
06	Use transit theodolite to measure Vertical angle correctly by Direct Method.
07	Use transit theodolite to measure Horizontal angle correctly by method of Repetition.
08	Use transit theodolite to carry out Survey Project for closed traverse for minimum 5 sides.
09	Plot the traverse on A1 size imperical drawing sheet for the collected data from preceding Theodolite Survey Project.
10	Use theodolite as a Tachometer to compute reduced levels and horizontal distances.
11	Set out a circular curve by offsets from Long Chord Method.
12	Use EDM to measure horizontal distance .
13	Set up Total Station instrument.
14	Use the Total Station instrument to measure horizontal distance.
15	Use the Total Station instrument to measure horizontal angle.
16	Use the Total Station instrument to measure Vertical angle.
17	Use the Total Station instrument to carry out Survey Project for closed traverse for minimum 5 sides.
18	Use GPS to locate the coordinates of a station.

Sr. No.	Name of Experiment
Subject: Concrete Technology	
01	Fineness by sieving
02	Standard consistency, initial & final setting time vicat apparatus
03	Compressive strength of cement
04	Silt content of sand
05	Bulking of sand
06	Bulk density of fine & coarse aggregate
07	Water absorption of fine & coarse aggregate
08	FM of F. A.
09	FM of C. A.
10	Aggregate crushing value
11	Abrasion value of aggregate
12	Slump cone test
13	Compaction factor test
14	Crushing strength of concrete

Sr. No.	Name of Experiment
Subject: Geotechnical Engineering	
01	Identification of rocks
02	Determination of moisture content
03	Determination of G by pycnometer
04	Core cutter method (field density)
05	Sand replacement method
06	Plastic limit & liquid limit
07	Shrinkage limit
08	Mechanical sieve analysis
09	Identification of soil by field test
10	Falling head test permeability
11	Const. head test permeability
12	Direct shear strength test
13	Proctor compaction test
14	Determination of bearing capacity by using liquid limit & plastic limit

- **Computer Engineering**

Sr. No.	Name of Experiment/ Assignment/ Sheet/Job/Project Activity
1	Identify the various pins of the given microprocessor
2	use assembly language programming tools and functions
3	use different addressing mode instruction in program (a)write an assembly language program to add two given 8 and 16 bit number (b) write assembly language program to subtract two given 8 and 16 bit number
4	a)write an ALP for multiply two given 8 and 16 bit unsigned number b)write an ALP for multiply two given 8 and 16 bit signed number
5	a)Write an ALP to perform block transfer data using string instruction b)Write an ALP to perform block transfer data without using string instruction
6	a)write ALP to compare two string without using string instruction b)write an ALP to to compare two string using string instruction
7	a)Write an ALP to divide two unsigned number b)Write an ALP to divide two signed number
8	Write an ALP to add ,subtract,multiply,divide two BCD number

9	a)Write an ALP to find the sum of a series of Hexadecimal Numbers.(b)Write an ALP to find sum of series of BCD Numbers
10	a)Write an ALP to find the smallest number from an array of n numbers. b)Write an ALP to find the largest number from an array of n numbers.
11	a)Write an ALP to arrange number in array in ascending order.b)Write an ALP to arrange number in array in descending order.
12	a)Write an ALP to arrange String reverse order. b)write an ALP to find string length c)write an ALP to concatenation of two string
13	a)write an ALP to check given number ODD or EVEN.b)write an ALP to count ODD and EVEN number in array
14	a)write ALP to check a given number is Positive or Negative b)write ALP to count Positive and Negative number in Array
15	a)Write an ALP to count number of '1' in a given number b)Write an ALP to count number of '0' in a given number
16	An assembly language program using procedures a)Write an ALP for addition ,subtraction,multiplication and division.b) write an ALP using procedure to solve equation such as Z=(A+B)*(C+D)
17	An assembly language program using macros. a)Write an ALP for addition ,subtraction,multiplication and division b) write an ALP using MACRO to solve equation such as Z=(A+B)*(C+D)

Sr. No.	Name of Experience
1	Compare various operating systems with Android OS.
2	Install/configure java development Kit(JDK),android studio and android SDK.
3	Configure android Development tools (ADT) plug-in and create android virtual Device
4	Develop a program to display Hello World on the screen.
5	Develop a program to implement linear layout and absolute layout
6	Develop a program to implement frame layout,table layout and relative layout
7	Develop a program to implement Text View and Edit Text.
8	Develop a program to implement Auto complete Text View
9	Develop a program to implement Button,Image Button and Toggle Button
10	Develop a program to implement Login window using above UI control

11	Develop a program to implementCheck Box
12	Develop a program to implement Radio Button and Radio Group
13	Develop a program to implement Progress Bar
14	Develop a program to implement List View,Grid View,Image View,Scroll View
15	Develop a program to implement Custom Toast Alert
16	Develop a program to implement Date and Time Picker
17	Develop a program to Create an Activity
18	Develop a program to create new activity using explicit intent and implicit intent
19	Develop a program to implement service
20	Develop a program to implement broadcast Receiver
21	Develop a program to build Camera
22	Develop a program for providing Bluetooth connectivity
23	Perform Async task using SQLite
24	Create sample application with logic with login module (check username and password) TextView "login successful".and on login fail,alert user using Toast"Login fail"
25	Create login application Where you will have to validate username and password till till username and password is not validated,login button should remain disabled
26	Develop a program to a) Send SMS b) Receive SMS
27	Develop a program to send and receive email
28	Develop a map based application part I
29	Deploy map based application Part II

1	setup a java Programming Development Environment 1 Command Prompt 2 IDE (Eclipse)
2	Test JDK setup by implementing Small Program
3	Develop a program to demonstrate use of if Statements
4	Develop a program to demonstrate use of a) Switch- Case Statement b) Conditional if ()
5	Develop a program to demonstrate use of Looping Statement for
6	Develop a program to demonstrate use of while and do while

7	Develop a program to demonstrate use of Implicit Type casting I
8	Develop a program to demonstrate use of Implicit Type casting II
9	Develop a program to demonstrate use of Explicit Type casting
10	Develop a program to demonstrate use of Constructor & Multiple Constructor In same Program
11	Develop a program to demonstrate use of String Function Part I
12	Develop a program to demonstrate use of String Function Part II
13	Develop a program to implementation of Array In Java
14	Develop a program to implementation of Vector in Java
15	Develop a program to implementation of Wrapper Class to convert primitive to object
16	Develop a program to implementation of Wrapper class to convert object to Object
17	Develop a program to implementation of concept of Overriding
18	Develop a program to implementation of Single & Multi Level inheritance

19	Develop a program to implementation of Multiple Inheritance
20	Develop a program to import different classes in package
21	Develop a program to implementation of Multithreading operating Part I
22	Develop a program to implementation of Multithreading operation Part II
23	Develop a program to implementation of try, Catch block Part I
24	Develop a program to implementation of try, Catch block Part II
25	Develop a program to implementation of try, Catch and Finally

26	Develop a program to implementation of throw , throws part I
27	Develop a program to implementation of throw , throws part II
28	Develop a program to implementation of Minimum 2 applets. 1) Basic Applet 2) Use Control Loop
29	Write Program to create Animated shape Using Graphics 1) Lines & Rectangles 2) Circles & Ellipse 3) Arc 4)Polygon
30	Develop Program to draw following shape 1) Cone 2) Cylinder 3) Cube 4) Square Inside Circle 5)Circle Inside Square

31	Develop Program for implementation of I/O stream classes
32	Develop Program for implementation of File Stream Classes

Sr. No.	Name of Experiment/ Assignment
1	a.Install and configure PHP,web server,MYSQL. b.Write a Program to print "Welcome to PHP". c.Write a simple PHP program using expressions and operators.
2	Write a PHP Program to demonstrate the use of Decision Making Control Structures using-a.If Statement b.If-else Statement c.Switch Statement
3	Write a PHP Program to demonstrate the use of Looping Structures using- a.While Statement b.Do while statement c.For Statement d.Foreach statement
4	Write a PHP program for creating and manipulating- a.Indexed array b.Associative array c. Multidimensional array
5	a. Write a PHP program to- i. calculate length of string ii.Count the number of words in string without string functions. b.Write a PHP Program to demonstrate the use of various built-in string functions.
6	Write a simple PHP program to demonstrate use of Simple function and Parameterized function.
7	Write a simple PHP program to create PDF document by using graphics content.
8	Write a PHP program to- a.Inheret members of super class in subclass b.Create constructor to initialize object of class by using object oriented concepts.
9	Write a simple PHP program on Introspection and Serialization.
10	Design a web page using following form controls: a.Text box ,b. Radio Button, c. Check Box, d. Buttons.
11	Design a web page using following form controls: a.List box ,b. Combo Button, c. Hidden List Box.
12	Design a web page with Data Validation.
13	Write a Simple PHP program to- a. Set Cookies and Read it. b.Demonstrate Session Management.
14	Write a Simple PHP Program for Sending and Receiving Plain text Message(e-mail).
15	Develop a Simple Application to- a.Enter Data in Database b. Retrieve and Present Data from Database
16	Develop a Simple Application to Update , Delete table Data from database.

Exp. No.	Name of Experiment/ Assignment/ Sheet/Job/Project Activity
1	Install, Set up and use VB.Net IDE (Integrated Development Environment)
2	Use Existing Namespace and create user defined Namespace in VB.Net.
3	a) Write a Simple program to display a Welcome message using msgbox(). b) Develop programs to solve Arithmetic expressions.
4	Develop programs to demonstrate use of IF, IF-ELSE Control structures in VB.Net
5	Develop programs to demonstrate use of Case Control structures in VB.Net
6	Develop programs to demonstrate use of While, Do Loop in VB.Net.
7	Develop programs to demonstrate use of For, For-each Loops in VB.Net.
8	Develop a program using Text box, Label, Button
9	Develop a program using Radio Button Check box.
10	Develop a program using List box, Combo box.

11	Develop a program using Picture box, Panel.
12	Develop a program using Tab Control and Timer.
13	Write a program to perform validation using regular expression and error provider.
14	Write a program to perform validation using regular expression and error provider.
15	Write a program to demonstrate the use of Sub-procedures and Parameterized Sub-Procedures.
16	Write a program to demonstrate the use of Simple Function and Parameterized Functions.
17	Develop a program to create a class. Access members of class using its objects.
18	Create constructor to initialize object of class. Use Destructor to de-allocate memory using finalize method.
19	Develop a program to inherit members of super class in sub class using simple inheritance.
20	Develop a program to demonstrate Overloading a method.
21	Develop a program to demonstrate Overriding in inheritance.
22	Develop a program to demonstrate Shadowing in inheritance.

23	Construct a program to handle runtime errors by using Exception handling.
24	Write a program to fetch data from table and display in Data Grid.
25	Write a program to perform following operation using Data Adapter: Fill and Update data in Database.
26	Write a program to perform following operation using Data Adapter: Fetch data from multiple tables in Dataset.
27	Write a VB.Net Code to store and retrieve data in Database Table.
28	Write a program that uses Simple Data Binding using Text Box, Check Box and Label.
29	Write a program that uses Complex Data Binding using Combo box.
30	Write a program that uses Complex Data Binding using List box.
31	Write a program to Navigate across existing data in table.
32	Create Executable file of VB.Net Application and Deploy it to other computer.

Sr. No.	Name of Experiment/ Assignment
1	Configure peer-to-peer network with at least three hosts
2	Create desired standard network cable including cross cable and test by using cable tester
3	Connect computers using given topology with wired media
4	Connect computers using wireless media
5	Write a C program for CRC error detection
6	Create a network using Bluetooth (Piconet/Scatternet)
7	Share printer and folder in a network and transfer a file from one computer to another
8	Install operating system (Windows/Linux-redhat/ubantu)
9	Configure file server
10	Configure Client to file server and use file services
11	Configure static and dynamic ip adresses
12	Configure DHCP server
13	Run basic TCP/IP utilities and network commands: ipconfig,ping,tracert,netstat,pathping,route
14	Install wireshark and congigure as packet sniffer
15	Set access rights and security permossions for user
16	Creat IPv6 based small network using a simulator
17	Setting up a wireless network

Sr. No.	Name of Experiment/ Assignment
1	Create a web page using structure tags to display sample messages
2	Create a web page for displaying paragraph using block level tags, HR tags; part-I
3	Create a web page for displaying paragraph using block level tags, HR tags; part-II
4	Create a web page using text level tags and special characters
5	Create a web page for implementing different types of lists
6	Create a web page to a) link external page of different sites b) different location on same page c) specific location on different web page of same site
7	Create a web page to link a) external page of different websites b)to email id
8	Insert image on web page using attributes
9	Implement image as button and set as background
10	Create a web page to implement frame tags
11	Create a web page to implement table tags
12	Create a web page for demonstration of CSS by applying internal, external, inline style
13	Install web server and publish website on intranet
14	Publish website on internet by acquiring space on free hosting sites

Sr. No.	Name of Experiment / Assignment/Job/Project Activity
1	Write problem statement to define project title with bounded scope of project.
2	Select relevant process model to define activities and related task set for assigned project.
3	Gather application specific requirements for assimilate into RE (Requirement engg. Model).
4	Prepare broad SRS (software requirement specification) for the above selected project.
5	Prepare use-cases and draw use- case diagram using software modelling tool.
6	Develop the activity diagram to represent flow from one activity to another for software development.
7	Develop data designs using DFD's (data flow diagram) , Decision tables and E-R diagram.
8	Draw class diagram, sequence diagram, collaboration diagram, state transition diagram for the assigned project.

9	Write test cases to validate the requirements of the assigned project from SRS document.
10	Identify risks involved in the project and prepare RMMM (Risk management, mitigation and monitoring plan)
11	Evaluate size of function using function point metric for the assigned project.
12	Estimate cost of project using COCOMO/ COCOMO II approach for assigned project.
13	Use CPM (Critical path method) / PERT (program evaluation and review techniques.) for scheduling the assigned project.
14	Prepare SQA plan that facilitates various attributes of quality of process.
15	Prepare SQA plan that facilitates various attributes of quality of product

Sr. No.	Name of Experiment / Assignment/Job/Project Activity
1	a. Identify desktop and server by its type and verify its specifications b. Identify type of laptop and verify its Specification
2	a. Identify hardware components on motherboard b. Troubleshoot common problems of motherboard.
3	Configure BIOS settings
4	Partition and manage hard disk: format hard drives with different file systems. (Part-I)
5	Partition and manage hard disk, format hard drives with different file systems. (Part-II)
6	Install Operating System – Windows family (such as Windows 7/ Windows 10,Windows server 12)
7	Install Operating System –Unix family (such as Linux/Ubuntu/Centos)
8	Troubleshoot Hard disk problems.
9	a. Install local printer (Software configuration settings on printer and troubleshooting) b. b. Share Printer in Network(Software configuration settings on printer and troubleshooting)
10	Set keyboard, mouse, monitor, Speaker, Microphone and LCD Projector
11	Install SMPS, measure voltage levels in main connectors of SMPS connecting various subsystems.

12	**Assemble and Disassemble Desktop System (Part-I)**
13	**Assemble and Disassemble Desktop System (Part-I)**
14	**Troubleshoot computer system by diagnosing the problem**
15	**Use diagnostic software for fault finding and viruses**
16	**Undertake Preventive Maintenance of PC using vacuum cleaner and simple tools.**

- **Electrical Engineering**

Sr. No	**Name of Experiment**
Subject: Electrical Material & Wiring	
1	Use different electrical safety accessories and practices.
2	Use different types of electrical or electronic tools.
3	Test the working of the given components: I. single pole one way and two way switches and ii. MCB using relevant tools and instruments.
4	Test the working of the given components i. RCB and ii. . ELCB using relevant tools and instruments.
5	Measure conductor resistance of cables using Kelvin's double bridge.
6	Use the megger to measure insulation resistance of cables .
7	Use the wheatstone's bridge to measure resistance of a bundle conductor (to determine per unit length resistance).
8	Use the wheatstone's bridge to measure resistance of a bundle conductor (to determine per unit length resistance). (two specimen of different cross section area.)
9	Select and place relevant fuses in different lighting circuits..
10	Use the coil over arrangement to determine the iron losses per unit weight of first electromagnetic specimen.
11	Use the coil over arrangement to determine the iron losses per unit weight of second electromagnetic specimen.
12	Select insulating materials for specific applications from given samples (at least five)
13	Investigate (and record observations) a cable failure by insulation breakdown(i.case)
14	Investigate (and record observations) a cable failure by insulation breakdown(ii.case)
15	Dielectric strength test of one insulating oil sample.
16	Dielectrics strength test of two different insulating oil samples of varied usage.
17	Prepare staircase wiring and test it
18	Prepare godown wiring and test it
19	Prepare switchboard containing four switches four socket arrangements(with fuse,indicator , internal wiring.)
20	Prepare fluorescent tube light fixture wiring and test it.
21	Perform cable laying from incoming bus to a machine installation .
22	Cable from incoming main to a residential unit.

Sr. No	Name of Experiment
23	Trace laid down cables and identify the path .
24	Prepare cable joints(different joints)
25	Perform Lug crimping for a cable leads of a specific size.
26	Perform Lug crimping for a cable leads of a size other than above.
27	Perform compound filling and water proof taping of cable joint.
28	Perform plate earthing for a machine laboratory
29	Perform plate earthing for a computer centre
30	Perform plate earthing for a building
31	Test/measure earthing system resistance of a computer centre
32	Test/measure earthing system resistance of a building
Subject: Electrical Motors & Transformers	
1	Dismantle a D C machine
2	Reverse the direction of rotation of DC Shunt motor.
3	Perform the break Test on DC Shunt motor.
4	Control the speed of DC Shunt motor by different methods.
5	Control the speed of DC series motor by different methods.
6	Check the functioning of Single Phase Transformer.
7	Determine the efficiency and regulation of Single Phase Transformer by direct loading test.
8	Perform the open circuit and short circuit test on Single Phase Transformer to determine equivalent circuit constants.
9	Perform the open circuit and short circuit test on Single Phase Transformer to determine the voltage regulation and efficiency .
10	Perform the Polarity test on Single Phase Transformer whose polarity markings are masked.
11	Perform the phasing out test on Three Phase Transformer whose polarity markings are masked
12	Connect the Auto transformer in step up and step down modes noting the Input/ Output readings.
13	Check the functioning of Isolation Transformer
14	Check the operation of Pulse Transformer

Subject: Maintenance of Electrical Equipments	
1	Perform the no load test, measure winding resistance for a single phase induction motor and determine its performance. (as per relevant IS)
2	Perform no load and blocked rotor test on three phase induction motor to determine the equivalent circuit. (as per relevant IS)
3	For the motor tested in practical S no. 2 plot the circle diagram & plot the performance.
4	Perform the brake load test on the three phase Induction Motor
5	Perform open circuit voltage ratio test on the three phase slip ring Induction motor.
6	Perform the phasing out and polarity tests on the three phase transformer.
7	Perform the open circuit and short circuit tests on the single phase transformer and determine its performance (regulation and efficiency).
8	Perform the open circuit and short circuit tests on the three phase transformer and determine its performance (regulation and efficiency).
9	Prepare the maintenance schedule for trouble shooting chart for the s1ngle phase IM .
10	Prepare the maintenance schedule for trouble shooting chart for _the three phase induction motor.
11	Prepare maintenance schedule for trouble shooting chart for 3ph Transformers.
12	Conduct the dielectric strength test on transformer oil (sample 1). (as per relevant IS)
Subject: Utilization of Electrical Energy	

1.	Identify different lighting accessories required for various types of lamps
2.	Identify different lighting accessories required for various types of lamp fitting
3.	Measure illumination a different places in college using lux meter
4.	Identify he different components required for various types of heating furnaces
5.	Observe construction & working various heating furnaces by watching video programs
6.	Identify different accessories & Safety devices required for various welding system
7.	Prepare a report of specification of various electrical welding machines available in college workshop
8.	Visit a small manufacturing unit to observe various electrical drives Prepare a technical report
9.	Prepare a comparative chart of two different manufacturing company in India for any two lift / elevators with technical data
10.	Prepare a comparative chart of two different manufacturing company in india for any two lift / elevators with technical data
11.	prepare a report / chart on various types of traction system
12.	prepare a report / chart on speed time curve
13.	improve the power factor of available inductive load using static capacitor
14.	prepare a report based on comparative study of various tariff structure of Maharashtra
15.	prepare energy meter bill based on energy consumption of resistance / institute
16.	prepare a technical report after visiting an industry various power factor improvement devices used (otherwise from internet)

Subject: Energy Conservation & Audit	
1	Identify star labeled electrical apparatus and compare the data for various star ratings.
2	Determine the ‘% loading” along with the related efficiency for different loads of given Induction motor (30 to l 10 percent in steps of 10%).
3	Determine the reduction in power consumption in star mode operation of induction motor compared to delta mode.
5	Compare power consumption of different types of TL with choke, electronic ballast in LED lamps by direct measurements.
6	Determine the reduction in power consumption by replacement of lamps in a class room / laboratory.
7	Determine the reduction in power consumption by replacement of Fans and regulators in a class room / laboratory.
9	Collect electricity bill of a commercial consumer and suggest suitable tariff for conservation and reduction of its energy bill.
10	Collect electricity bill of a residential consumer and suggest suitable means for conservation and reduction of the energy bill.
12	Prepare a sample energy audit questionnaire for the given industrial facility.
13	Prepare an energy audit report (phase-I)
14	Prepare an energy audit report (phase-II)
15	Prepare an energy audit report (phase-III)
Subject: Digital Electronics & Microcontroller	
01	Construct. AND, OR, NOT gates using universal gates.
02	Build the logic circuit on breadboard to check the De Morgan’s theorems.
03	Design Half adder and Half subtractor using Boolean expressions,
04	Build / test function of RS flip-flop using NAND Gate
05	Build / test function of MS JK flip flop using 7476.
06	Use IC 7476 to construct and test the functionality of D and T flipflop;
07	Implement 4 bit ripple counter using 7476
08	Implement 4bit universal shift register.
09	Identify various blocks of 8051 microcontroller.

10	Write an assembly language program(ALP) to perform arithmetic operations on 8-bit data:-addition, subtraction, multiplication and division.
11	Write an ALP to transfer data from source to destination location of Internal data memory.
12	Write an ALP to transfer data from source to destination location of external data memory.
13	Write an ALP to exchange data from source to destination memory location
14	Interface LED with 8051 to tum on the LED.
15	Interface 7-seyment display to display decimal number from 0 to9
16	Interface the given keyboard with 8051and display the key pressed.
17	Inteface LCD with 8051 microcontroller to display the alphabets and decimal number
18	Interface stepper motor and write ALP to rotate stepper motor in clockwise and anti-clockwise direction at given angles.

Subject: Electrical Circuit & Networks	
1.	Use dual trace oscilloscope to determine AC voltage and current response in given R,L.C circuit,
2.	Use voltmeter, ammeter, wattmeter to determine active, reactive and apparent power consumed in given R-L series Circuit. Draw phasor diagram.
3.	Use voltmeter, ammeter to determine active, reactive and apparent power consumed in given R-C series circuit. Draw phasor diagram
4.	Use voltmeter, ammeter to determine active, reactive and apparent power consumed in given R-L-C series circuit. Draw phasor diagram
5.	Use variable frequency supply to create resonance in given series R—L-C circuit by using variable inductor or variable capacitor.
6.	Use voltmeter, ammeter, and wattmeter to determine current, p.f, active, reactive and apparent power in R-C parallel A.C. circuit.
7.	Use voltmeter, ammeter, wattmeter, p.f meter to determine current, p.f., active, reactive and apparent power for given R—L-C parallel circuit with series connection of resistor and inductor in parallel with capacitor.
8.	Use variable frequency supply create resonance in given parallel R- L-C circuit by using variable inductor or capacitor
9.	Use voltmeter, ammeter, wattmeter, p.f meter to determine line and phase quantities of voltage and current for balanced three phase star and delta connected load and calculate active, reactive, and apparent power. Draw phasor diagram.
10.	Use voltmeter, ammeter, wattmeter, p.f meter to determine line and phase quantities of voltage and current for unbalanced three phase star and delta connected load and calculate active, reactive, and apparent power. Draw phasor diagram.
11.	Use voltmeter, ammeter to determine current through the given branch of an electric network by applying mesh analysis.
12.	Use voltmeter, ammeter to determine current through the given branch of a electric network by applying node analysis.
13.	Use voltmeter, ammeter to determine current through the given branch and voltage across the given element of circuit by applying superposition theorem.
14.	Use voltmeter, ammeter to determine equivalent circuit parameter in a given circuit by applying Thevenin's theorem
15.	Use voltmeter, ammeter to determine equivalent circuit parameter in a given circuit by applying Norton's theorem
16.	Use voltmeter, ammeter to determine load resistance for maximum power transfer for a given circuit by applying maximum power transfer theorem.
Subject: Illumination and Electrification of Buildings	
1.	Conduct illumination level assessment in work place using lux meter.
2.	Prepare the relevant dimmer type of transformer.
3.	Measure the illumination output of incandescent lamp and CFL lamp.
4.	Estimate and compare luminous efficiency if incandescent lamp and CFL lamp.

5.	Indentify the given type of dimmer transformer and their parts.
6.	Build a single lamp by single switch
7.	Build a single lamp by two point method.
8.	Build a single lamp by three point method.
9.	Build a single lamp by four point method.
10.	Understand energy efficient illumination equipment.
Subject: Estimating & Contracting	
1	Draw plan of electrical installation scheme for 1 BHK residential unit using Auto-cad and prepare list of materials required..
2	Draw plan of electrical installation scheme for small commercial unit using Auto-cad. Also, determine rating of main and sub- distribution board..
3	Draw plan of electrical installation scheme for small factory / industrial unit using Auto-cad and type andrating of starter, protective relay.
4	Draw plan by using Auto-cad and Estimate the size/ rating of electrical installation system for HT (11kV) scheme..
5	Draw plan of electrical service installation scheme for LT (415V) 7 line connection using Auto-cad. Prepare the list material required.
6	Design public lighting installation scheme and Draw plan for the designed lighting scheme using Auto-cad
7	Prepare tender documents, quotations, and bills for specified work.

Subject: Electrical and electronic measurement	
1	Identity fy symbol,dial type,accuracy
2	Identify PMMC,MI
3	Troubleshoot PMMC,MI
4	Measuring AC,DC quantities
5	Extend renge of ammeter,voltmeter using CT & PT
6	Clamp on meter
7	Electrodynamometer wattmeter
8	Troubleshoot in electrodynamometer wattmeter
9	Two wattmeter method
10	Calibrate energy meter
11	Troubleshoot in energy meter
12	Use digital multimeter
13	Use bridge for low resistance method
14	Use bridge for medium and high resistance method
15	Use meggar for insulation measurement
16	Use earth tester for earth resistance testing
17	Single wattmetrer for active power measurement
18	Use CRO for measurement of supply frequency
19	Use TRI-Vector meter for measuremnt of KW
Subject: Industrial measurement	
1	Linear displacement measurement using potentiometer
2	Angular displacement measurement using potentiometer
3	Displacement measurement using LVDT
4	Weights measurement using strain guage
5	Pressure measurement using bourden tube
6	Dead weight tester
7	Assemble/dismantle digital pressure measurement sys
8	Flow measurement using orifice plate
9	Flow measurement using venturi tube
10	Flow measurement using rotmeter
11	Levele measurement using capcitance transducer
12	Levele measurement using air purge method
13	Measurement of temperature measurement using RTD

14	Measurement of temperature measurement using thermocouple
15	Calibration of RTD
16	Calibration of thermocouple

- **Electronics and telecommunication**

Sr. No	Name of Experiment
	Basic Electronics (22216)
1	Test the performance of PN junction diode .
2	Test the performance of zener diode.
3	Test the performance of photo diode by varying the light intensity
4	Build/test half wave rectifier on breadboard
5	Build/test half wave rectifier on breadboard with filter- Part I/Part II
6	Build/ test full wave rectifier on breadboard using two diodes.
7	Build/ test full wave bridge rectifier on breadboard .
8	Use LC filter with full wave rectifier to measure ripple factor.
9	Use π filter with bridge rectifier to measure ripple factor.
10	Assemble positive clipper circuit on breadboard and test the performances.
11	Build the combinational Clipper on breadboard and test the performance. - Part I
12	Build positive clamper on breadboard and test the performance. - Part I/Part II
13	Build Negative clamper on breadboard test the performance
14	Identify the terminals of the PNP and NPN transistor using different methods . - Part I/Part II
15	Find specifications of a given transistor using data sheets.
16	Test the performance of BJT working in CE mode
17	Test the performance of BJT working in CB mode
18	Test the assembled BJT voltage divider bias circuit for given input. - Part I/Part II
19	Test the performance of FET drain characteristics , transfer characteristics and calculate trans-conductance. - Part I /Part II
20	Build / test zener voltage regulator for the given voltage
21	Test the performance of transistorized series voltage regulator for the given load regulation.
22	Test the performance of transistorized shunt voltage regulator for the given load regulation
23	Test the various blocks of regulated dc power supply
24	Find out faults at different stages of regulated dc power supply.
25	Trouble shoot given DC regulated power supply. - Part I/Part II

	C programming Language (22218)
1	WCP to display formatted o/p
2	WCP using logical & Bitwise operator
3	Evaluate scientific expressions
4	Evaluate scientific problems
5	Implement decision making
6	Implement decision control (if)
7	Implement decision control (if-else)
8	Implement switch-case control
9	Implement loop control (for)
10	Implement loop control
11	Print Result Sheet
12	Processing elements of Array
13	WCP using array
14	WCP using multidimensional array
15	Perform operations in string

16	Implement string
17	WCP to perform library function
18	WCP for user defined function
19	WCP using Pointer
20	Perform operation on array using pointer
21	WCP for call by function & call by reference
22	Implement concept of Pointer
23	Implement Structure in C
24	Implement operations carried on Structure

Sr. No	**Name of Experiment**
Applied Electronics (22329)	
1	Build/ test the performance of single stage low power common emitter amplifier.
2	Simulate/test out put wave formof single stage common emitter amplifier(CE) using simuation software
3	simulate/test the output waveform of of single stage common source FET amplifier using simulation software.
4	Build/test the performance of single stage common souce FET amplifier.
5	Build/test the performance of two stage RC coupled common emitter amplifier using transistor..
6	Build/test the performance of two stage direct coupled amplifier using transistor..
7	Build/test the performance pf transormer coupled amplifier(Part I)
8	Build/test the performance pf transormer coupled amplifier(Part II)
9	Build/test the performance of single tuned amplifier using transistor.
10	Build/test the performance of double tuned common emitter amplifier(Part I)
11	Build/test the performance of double tuned common emitter amplifier(Part II)
12	Build/test the performance parmeters of single stage class A power amplifier.
13	Build/test the performance parmeters of class B push pull amplifier using transistor.
14	Build/test the performance of audio power amplifier.
15	use transistor to build/test voltage series feedback amplifier parameter with and without feedback.
16	use transistor to build/test voltage shunt feedback amplifier parameter with and without feedback
17	Test the effect of positive and negative feedback on the given amplifier.(part I)
18	Test the effect of positive and negative feedback on the given amplifier.(part II)
19	Build RC phase shift oscillator and measure the genrated frequency using CRO.
20	Build Crystalt oscillator and measure the genrated frequency using CRO.
21	Simulate hartly oscillator using any relevant simulation software
22	Generate a waveform using Millers sweep generator and measure sweep time and retrace time.
23	Simulate dual voltage regulator using IC 78XX and 79XX for the specified regulated output voltage
24	Build dual voltage regulator for the spcified regulated output voltage.
25	Build low voltage regulator using IC 723 for the given regulated output voltage (2v to 7v)
26	Build high voltage regulator using IC 723 for the given regulated output voltage (2v to 7v)
27	Test the performance parameters of voltage regulator using IC LM 317

Sr. No	**Name of Experiment**
Digital Techniques (22320)	
1	Introduction to Laboratory
2	Test the functionality of Logic Gates & Test the functionality of Universal Logic Gates

3	Construct basic gates using universal gate
4	Verify De-Morgan's Theorems.
5	Design Half adder and Half subtrator using Boolean Expressions.
6	Design Full adder and Full subtrator.
7	Construct and test BCD to 7 Segment decoder using IC 7447/7448.
8	Verify operation of Multiplexer (MUX).
9	Functionality of Demultuplexer (DEMUX).
10	Test functionality of RS flip flop using NAND gate.
11	Test functionality of MS JK Flip flop.
12	Test the functionality of D and T flip flop.
13	4 Bit ripple counter.
14	Decade counter using IC 7490.
15	4 Bit Universal Shift Register.
16	R-2R resistive network.

Sr. No	**Name of Experiment**
Principles of Electronic Communication (22334)	
1	Use simple wires,switches and LEDs to establish simplex and half duplex communication link
2	
3	Use simple wires,switches and LEDs to establish full duplex communication link
4	
5	Observe the AM modulated waveforms genrated for diffrent carrier frequencies.
6	
7	Genrate AM wave and measureits modulation index.
8	
9	use any simulation software to genrate AM wave.
10	
11	Use voltage controlled oscillator to genrate FM wave and measure the frequency deviation.
12	
13	Genrate FM wave and measure its modulation index.
14	
15	Use any simulation sofware to genrate FM wave.

Sr.No	**Name of Experiment**
Basic Power Electronics (22427)	
1	Measure hoding current (IH)and latching current (IL) of a given SCR from its V-I characteristics curve.
2	Test the performance of given IGBT.
3	Determine breakover voltage of given DIAC from its V-I curve.
4	Test the effects of variation of resistor, capacitor in R and RC triggering circuits of firing angle of SCR.
5	Test the effects of variation of R on firing angle in synchrinized UJT triggering circuits.
6	Test the performance of Class C-Complimentary type commutation circuit
7	Test the performance of half wave controlled rectifier with R,RL load and measure load voltage.
8	Determine firing angle and output voltage of 3-phase half wave controlled rectifire using Delta-star transformer.
9	Test the performance of full wave controlled rectifier with R,RL load and measure load voltage.
10	Find output voltages of step-up chopper for different values of duty cycles.
11	Test parallel inverter to the measure frequency and output voltages.
12	Measure output voltages of step-down chopper for different values of duty cycles. Part I

13	Measure output voltages of step-down chopper for different values of duty cycles. Part II
14	Build/Test SMPS for mobile phone charging. Part I
15	Build/Test SMPS for mobile phone charging. Part II
16	Build Light dimmer circuit using TRIAc test the effect of resistance variation on intensity of lamp.

Sr. No	Name of Experiment
Linear Integrated Circuits (22423)	
1	Use relevant instruments to measure the differential input resistance, input offset voltage, output offset voltage and common mode rejection ratio (CMRR) of IC 741.
2	Measure the Output voltage Swing parameter of Op-amp IC 741
3	Use relevant instruments to determine gain of the Inverting amplifier and Non-inverting amplifier consist of IC 741.
4	Build/Test adder and subtractor circuit consists of IC 741.
5	Build/Test Integrator circuit consists of IC 741.
6	Build/Test Differentiator circuit consists of IC 741.
7	Build/Test Voltage to Current converter and Current to voltage converter circuit consists of IC 741
8	Build/Test comparator circuit consists of IC 741 as Zero Crossing detector and active positive peak detector.
9	Build/Test Instrumentation amplifier circuit using IC LM324.
10	Use relevant instruments to measure the bandwidth and cut off frequency of the given first order low pass Butterworth filter.
11	Use relevant instruments to measure the bandwidth and cut off frequency of the given first order high pass Butterworth filter.
12	Build/Test Monostable Multivibrator using IC 555 for the given specifications.
13	Use relevant instruments to measure the bandwidth and cut off frequency of the given notch filter.
14	Use relevant instruments to measure the frequency of oscillation of the given RC Phase shift oscillator circuit using IC 741.
15	Measure the frequency of Oscillation of the given wein bridge oscillator circuit using IC 741.
16	Build/Test Astable Multivibrator using IC 555 for the given specifications.

Sr. No	Name of Experiment
Maintenance of Electronics Equipments (22036)	
1	Create new file using given EDA tool to develop the layout of regulated power supply circuit.
2	Measure dc current and dc voltage of the given circuit using Node Analysis through EDA simulation tool.
3	Simulate/Test half wave rectifier circuit using EDA tool.
4	Measure AC current and voltage of RL, RC and RLC in an ac circuit with EDA tool.
5	Use EDA tool to draw and simulate schematic circuit of full wave rectifiers.
6	Use EDA tool to simulate two stage RC coupled/transformer coupled/ dc coupled amplifier.
7	Use EDA tool to draw and simulate given circuit of inverting/non-inverting amplifier using IC 741.
8	Use EDA tool to simulate 3 bit adder to match truth table.
9	Use EDA tool to simulate 4:1 multiplexer, 1:8 demultiplexer to match the truth table.
10	Use EDA tool to simulate BCD to Seven segment decoder.
11	Develop the PCB of Power Supply Circuit using layout.
12	Identify/Test various ICs (Analog & Digial) using IC Tester (Analog & Digital).
13	Assemble various parts of computer system and install operating system, application software and antivirus on a computer system.
14	Troubleshoot the data projector.
15	Troubleshoot the circuit breaker (MCB & ELCB).

16	Install DTH receiver (Indoor & Outdoor Unit).
17	Troubleshoot the regulated power supply circuit of the given equipment.
18	Troubleshoot the given mixer/grinder with fractional horse power.
19	Troubleshoot the domestic water level controller.
20	Troubleshoot the electronic weighing machine.
21	Troubleshoot the emergency light system.
22	Troubleshoot the photo voltaic solar pannel power system.
23	Prepare the work order for the maintenance of the given equipment.
24	Prepare Bin card for the maintenance of given equipment.
25	Install closed circuit television (CCTV).
26	Install online/offline UPS.
27	Test the performance of the given (fractional horse power) DC Motors.
28	Test the performance of the given Stepper Motor.

Sr. No	**Name of Experiment**
Digital communication system (22428)	
1	To construct the circuit for Generation of hamming code for 4 bits data.
2	To construct the circuit for one bit error correction using hamming code.
3	Generate:(a) Unipolar -NRZ, RZ b)Bipolar-NRZ(AMI),Manchester codes for given data. (b) Bipolar- NRZ (AMI), Manchester for gi vcn data.
4	Observe the effect of average DC value and bit duration for unipolar non return zero(UPNRZ) and polar return zero(PRZ).
5	Detect error by VRC techniques using relevant simulation tool.
6	Detect error by LRC techniques using relevant simulation tool.
7	Test the performance of natural and flat top sampling circuit.
8	Test the performance of sampling circuit for variation in sampling frequency.
9	Test the performance of the Pulse Code modulator/demodulator circuits.
10	Test the performance of the delta modulator/demodulator circuits.
11	Test the performance of the Adaptive delta modulator/demodulator circuits.
12	Test the performance of the differential pulse code modulator(DPCM) modulator/demodulator circuits.
13	Write a program using a relevant simulation tool to observe sampling process for sampling rate less than,equal to and greater than the Nyquist rate.
14	Test the performance of the Amplitude Shift keying(ASK) modulator/demodulator circuits.
15	Test the performance of the Amplitude Shift keying(ASK) using relevant simulation software.
16	Test the performance of the Binary Phase Shift keying(BPSK) modulator and demodulator circuits.
17	Test the performance of Frequency Shift keying(FSK) modulator and demodulator circuits.
18	Test the performance of the Differential Shift keying(DPSK) modulator/demodulator circuits.
19	Test the performance of Quadrature Phase Shift keying(QPSK) modulator and demodulator circuits.
20	Test the performance of Quadrature Amplitude modulation(QAM) modulator and demodulator circuits.
21	Test the performance for 4-input time division multiplexing circuit.
22	Test the performance for 2-input frequency division multiplexing(FDM) circuit.
23	Generate a TDM signal using relevant simulation software.
24	Generate a FDM signal using relevant simulation software.
25	Generate PN sequence for given maximum length.
26	Generate PN sequence for given maximum length using relevant simulation software.
27	Generate two channel CDMA_DSSS signal and demodulate it.
28	Generate two channel CDMA_FHSS signal and demodulate it.

Sr. No	Name of Experiment
Microcontroller and Applications (22426)	
1	Identify blocks of 8051 Development Board
2	WAP with different Addressing Modes
3	WAP for Arithmatic Operations
4	WAP for Data Transfer
5	WAP for Smallest/Largest
6	WAP for Ascending/Descending Order
7	WAP for Delay Using Register (S/W-Delay)
8	WAP for Serial Transfer
9	WAP to to turn LED ON/OFF
10	WAP for Square Wave generation (H/W Delay)
11	WAP to display patterns on 4X4 LED Matrix
12	WAP to Display data on 7-Segment Display
13	WAP to turn Realy ON/OFF
14	WAP to display data on LCD
15	WAP to display key pressed
16	WAP to read ADC
17	WAP to generate pattern via DAC
18	WAP to RUN Stepper Motor

Sr. No	Name of Experiment
Microwave and Radar (22535)	
1	Use the frequency meter with microwave test bench setup to determine the frequency and wavelength of waveguide for TE10 mode
2	Use freeware/open source simulation tools to perform Practicals related to microwave waveguide
3	Use the microwave test bench setup to ensure power division in microwave tees E-plane, H-plane and E-H plane
4	Determine coupling factor and insertion loss for the given circulator
5	Measure VSWR for the given Microwave load.
6	Measure attenuation of the given attenuator.
7	Determine the directivity, insertion loss and coupling factor for the given Multi- Hole Directional Coupler.
8	Use given microwave test bench setup to measure the gain of the horn antenna.
9	Use the microwave test bench setup to test the performance of the given Reflex Klystron tube.
10	Test the performance parameter of the given type of microwave active components on freeware/open source simulation tools.
11	Test the performance of Gunn Diode for the following aspects i. V-1 characteristics ii. Output power and frequency as a function of voltage
12	Use Doppler RADAR to detect the maximum range
13	Determine the velocity of the moving object with the help of RADAR range.
14	Use RADAR system to measure the distance traveled by any object.
15	Use freeware/open source simulation tools to performance Practical related to RADAR communication

Sr. No	Name of Experiment
Control Systems & PLC (22531)	
1	Use potentiometer as error detector.
2	Determine error of angular position of DC servo system.
3	Identify and test different parts of PLC.
4	Develop ladder diagram to test the functionality of the logic gates.
5	Develop ladder diagram to test Demorgan's Theorem
6	Develop ladder diagram for Adder and Subtractor by using PLC.
7	Develop ladder diagram for ON-OFF control of lamp using Timer and counter.
8	Develop ladder diagram for traffic light control system.
9	Develop ladder diagram for stepper motor control.
10	Develop ladder diagram for temperature controller.
11	Test the step response of R-C (First order) Circuit,
12	Test the functionality of temperature control with on-off controller.
13	Use PI controller to control temperature of given process.
14	Use PD controller to control temperature of given process.
15	Use PID controller to control temperature of given process.
16	Test the step response of R-L-C (Second order) Circuit.

Sr. No	Name of Experiment
Mobile and Wireless Communication (22533)	
1	Identify different sections & components of mobile phone such as ringer section, dialer section, receiver a7 transmitter section, camera, microphone, speakers, flash light
2	Identify the inbuilt sensorsof mobile phone & test their performance
3	Perform cold test of different sections of mobile phone unnit
4	test the supply of the transmitter/ receiver sections of mobile phone unit
5	Test the battery charger section & power management unit of mobile phone unit
6	Test he LCD & SIM section of mobile phone unit
7	Test the user interface section of mobile phone unit
8	Troubleshoot the Battery charger, LCD & SIM card section of mobile phone unit
9	Troubleshoot the speaker , ringer, microphone, vibrator problem of mobile phone unit
10	Determine the coverage area of a split cell which has radius half the radius of original cell
11	Determine the channel capacity of a cellular system service area compraised of 4/7/12 microcells with 8/12/16 channels per microcell
12	Determine the channel capacity if each microcell in the above lab exercise split into 4 minicells & each minicell further split into 4 microcell
13	For the 7-cell cluster & 168-voice channels cellular system, determine the assignment of voice channel to each cell if Omnidirectional antenna is used at the cell site
14	For the 7-cell cluster & 168-voice channels cellular system, determine the assignment of voice channel to each sector if 3 sector 120 degree & 6 sector 60 degree antenna is used at the cell site
15	Perform installation, registration, activation & authentication of mobile application on mobile handset
16	Read/ retrieve the contents of SIM card using relevant software
17	Execute call control commands using relevant software
18	Execute Network service commands using relevant software
19	Execute Security commands using relevant software
20	Execute Phone book commands using relevant software
21	Execute short message commands using relevant software
22	Execute data commands using relevant software
23	Execute specific AT commands using relevant software
24	Execute AT commands for call control in 3G/4G network
25	Execute AT commands for Video call & phone camera related commaands in 3G/ 4G network

26	Execute AT commands for Microphone & loudspeaker volum control related commaands in 3G/ 4G network
27	Build a Personal Area Network of mobile devices usng bluetooth
28	Test the hard reset function, hotspot & other networking functions of the given smart phone
29	Identify different sections & components of mobile phone such as ringer section, dialer section, receiver a7 transmitter section, camera, microphone, speakers, flash light

Sr. No	**Name of Experiment**
Optical Networks and Satellite Communication (22647)	
1	Identify various layers and parts of an optical fiber cable.
2	Test the performance of Pulse width modulator and demodulator (PWM) where optical fiber cable is used as transmission media
3	Test the performance of the given photo-diode (Detector) use LED as an optical source.
4	Test performance of given photo-diode (Detector) use LASER as optical source
5	Calculate bandwidth of optical fiber for Analog Link
6	Observe the change in power level of optical fiber due to cleaning effect in the fiber.
7	Calculate Numerical Aperture (NA) and acceptance angle for the given optical fiber cable.
8	Connect the given Optic cable with relevant optical connector and test the performance of cable.
9	Measure attenuation losses for the given length of optical fiber cable.
10	Measure bending losses of the given optical fiber optic cable.
11	Test the performance of audio satellite link for the specified uplink and downlink frequency.
12	Develop a program using a relevant simulation tool to calculate the time period of a satellite for the given velocity and altitude based on Kepler's third law.
13	Detect the satellite link fail operations and re-establish the link.
14	Establish a link to transmit and receive three separate signals (audio, video, tone) simultaneously through satellite link.

Sr. No	**Name of Experiment**
VLSI with VHDL (22062)	
1	Identify internal block and pin configuration of FPGA & CPLD using datasheet.
2	Develop flow chart of CMOS IC fabrication using relevant website.
3	Install EDA tool (VHDL) for VLSI application.
4	Implement any two gates using Data flow and Behavioral model.
5	Implement Half /full adder / subtractor using FPGA
6	Implement 8:1 multiplexer using FPGA
7	Implement 1:8 Demultiplexer using FPGA
8	Implement T& D-flip-flop using FPGA
9	Implement 2:4 Decoder using FPGA
10	Implement 8:3 Encoder using FPGA
11	Implement up-counter using FPGA
12	Implement synchronous counter using FPGA
13	Implement binary to gray code converter using FPGA.
14	Build /Test DAC and ADC using FPGA.
15	Implement Stepper motor controller using FPGA.
16	Implement four Bit ALU or sequence generator using FPGA.

- **Mechanical Engineering**

Sr. No	Name of Experiment
Subject: Thermal Engineering	
1	Measurement of discharge of air using air box.
2	Trace the path of flue gases & water steam circuit of the boiler.
3	Assembly & dismantling of boiler mounting
4	Assembly & dismantling of boiler accessories
5	Perform simulation of thermal power plant & write specification of boiler, turbine, condenser & electrical generator.
6	Determine of dryness fraction of a given sample of steam by using separating calorimeter
7	Plot steam properties on Mollier chart for a given sample of wet steam.
8	Assembly & dismantling of impulse & reaction turbines
9	Assembly & dismantling of cooling tower.
10	Dismantle given model of surface condenser, draw sketch of various part & assemble it.
11	Dismantle given model of surface condenser, draw sketch of various part & assemble it.
12	Identify the different equipment I power engineering lab having heat exchanger & classify heat exchanger. Write construction & working of any three HE.
13	Conduct trial to determine mass flow rate of one fluid using energy balance equation in heat exchanger.
14	Conduct trial to determine mass flow rate of one fluid using energy balance equation in heat exchanger.
15	Verify of Stefan- Boltzman constant for radiation

Sr. No	Name of Experiment
Subject: Mechanical Working Drawing	
1	Development of Lateral Surface (Sketch book)
2	Development of Lateral Surface (Sheet)
3	Intersection of solids (Sketch book)
4	Intersection of solids (sheet)
5	Conventional Representation (sketchbook)
6	Conventional Representation (sheet)
7	Limit, Fit Tolerances (sheet)
8	Production Drawing (sheet)
9	Details To Assembly (Sketch book)
10	Details To Assembly(sheet)
11	Assembly To details (sketch book)
12	Assembly To details(sheet)

Sr. No	Name of Experiment
Subject: Engineering Metrology	
1	Measure dimensions using Vernier Caliper, Micrometer.
2	Measure bores of a given sample using inside micrometers.
3	Use of pneumatic comparator.
4	Use slip gauges to set the adjustable snap gauge Go End and No-Go End.
5	Measure gear tooth elements using gear tooth vernier caliper.
6	Measurement of the screw thread parameter using optical profile projector
7	Measurement of minor, major and effective diameter of screw thread using floating carriage micrometer.

Sr. No	Name of Experiment
8	To find unknown angle of a given component using sine centre.
9	Angular measurement using bevel protractor and clinometers.
10	Use angle dekkor / autocollimator to measure the angle and taper of given component.
11	Measure flatness of the given component by interpreting fringes using monochromatic light source and optical flat.
12	Measure flatness using spirit level.
13	Measure the surface roughness of a given sample using Taylor Hobson's Talysurf / surface roughness tester.
14	Use dial indicator to check the lathe machine parameters like parallelism, trueness and alignment.
15	Measure run out of cylindrical component using dial indicator.

Sr. No	Name of Experiment
Subject: Mechanical Engineering Materials	
1	Prepare specimen of a given material for microscopic examination.
2	Use metallurgical microscope to interpret micro structure of steels and alloy steels on standard specimen.
3	Use Brinell hardness tester to determine the hardness of a given sample.
4	Use Rockwell Hardness tester to determine the hardness of given sample.
5	Use relevant hardness tester to determine the hardness of mild steel before and after heat treatment.
6	Use relevant hardness tester to determine the hardness of alloy steel before and after heat treatment.
7	Use Metallurgical microscope to interpret micro structure of cast iron on standard specimen.
8	Use Metallurgical microscope to interpret microstructure of aluminum on standard specimen.
9	Use relevant hardness tester to determine the hardness of copper.
10	Use relevant peel tester to determine the adhesive strength of cellophane tape and, duct tape on a smooth surface.
11	Perform flame test to identify different types of plastics.
12	Use High-temperature oven or electrical current to Identify behavior of the shape-memory alloy as a function with regards to temperature.
13	Use relevant peel tester to determine the adhesive strength of scotch tape, electrical tape and masking tape on a smooth surface.
14	Use muffle /box type furnace to determine the effect of •oil • water •brine as quenching media on the hardness of mild steel

Sr. No	Name of Experiment
Subject: Power Engineering	
1	Experimental Set up to conduct Morse Test to calculate mechanical efficiency of multi cylinder petrol engine
2	Experimental Set up to prepare heat balance sheet by conducting trial on single / multi cylinder petrol engine
3	Experimental Set up to calculate volumetric and isothermal efficiency of multi stage reciprocating air compressor.
4	Experimental Set up to calculate coefficient of performance of vapour compression test rig.

Sr. No	Name of Experiment
5	Cut section model of multi cylinder diesel engine.

Sr. No	Name of Experiment
Subject: Advanced Manufacturing Processes	
1	Study the working & principle of EDM (Electro Discharge Machining).
2	Study the working & principle of ECM (Electro Chemical Machining).
3	Study the working & principle of LBM (Laser Beam Machining).
4	Study the working & principle of PAM (Plasma Arc Machining).
5	Study the working & principle of AJM (Abrasive Jet Machining).
6	Study the working & principle of EBM (Electron Beam Machining).
7	Study the working & principle of various milling cutters & milling operations.
8	Study the part program functions & write a part program on CNC turning.
9	Study the part program functions & write a part program on CNC Milling.
10	Study of different program cycles like Canned cycles, DO LOOPS.
11	Study the different gear manufacturing methods.
12	Prepare a job on CNC machines – Visit report.

Sr. No	Name of Experiment
Subject: Elements of Machine Design	
1	Identification of the proper material for given machine component.
2	Determination of various modes of failure for the given machine components
3	Use IS codes for design of machine elements.
4	Design of the lever. (Part I)
5	Design of the lever. (Part II)
6	Design of power transmission system. (Part I)
7	Design of power transmission system. (Part II)
8	Design of power transmission system. (Part II)
9	Design of Screw Jack used for various applications. (Part I)
10	Design of toggle Jack used for various applications. (Part II)
11	Design of fasteners. (Part I)
12	Design of fasteners. (Part II)
13	Design of springs. (Part I)
14	Design of springs (Part II)

Sr. No	Name of Experiment
Subject: Solid modeling and additive Manufacturing	
1	Prepare drawing Templates consisting of name plate boundary lines and projection symbol
2	Draw and print two simple 2d geometries using Sketcher Workbench.
3	Draw and print two complex 2d geometries using Sketcher Workbench
4	Draw and print two simple 3d geometries using 3D modeling Commands.
5	Develop Solid models of Individual components of Bench vice/ Drill Jig/Screw Jack /Tool Post /anyone assembly consisting of at least five parts.(Problem1)
6	Develop Solid models of Individual components of Bench vice/ Drill Jig/Screw Jack /Tool Post /anyone assembly consisting of at least five parts.(Problem1continued)
7	Develop Solid models of Individual components of Bench vice/ Drill Jig/Screw Jack /Tool Post /anyone assembly consisting of at least five parts.(Problem1 continued)
8	Develop Solid models of Individual components of Bench vice/ Drill Jig/Screw Jack /Tool Post /anyone assembly consisting of at least five parts.(Problem1

Sr. No	Name of Experiment
	continued)
9	Assemble and Print the orthographic views of the assembly developed in PrO 5 to 8 with bill of materials.(Problem 2)
10	Assemble and Print the orthographic views of the assembly developed in PrO 5 to 8 with bill of materials.(Problem 2 continued)
11	Assemble and Print the orthographic views of the assembly developed in PrO 5 to 8 with bill of materials.(Problem 2 continued)
12	Draw and Print the production drawing of all individual components part models of assembly developed in PrO 5 to 8(problem 3)
13	Draw and Print the production drawing of all individual components part models of assembly developed in PrO 5 to 8(problem 3 continued
14	Draw and Print the production drawing of all individual components part models of assembly developed in PrO 5 to 8(problem 3 continued).
15	Print one simple components using 3d printer/Rapid Prototyping Machine.

Sr. No	Name of Experiment
Subject: Theory of Machine	
1	Measure the ratio of time of cutting stroke to the return stroke in shaping machine by varying the stroke length. Following activities need to be performed: (Part I) a. Measuring dimensions of different links of given shaper machine b. Sketching c. Labeling of sketch
2	Measure the ratio of time of cutting stroke to the return stroke in shaping machine by varying the stroke length. Following activities need to be performed: (Part II) a. Measuring dimensions of different links of given shaper machine b. Sketching c. Labeling of sketch
3	Estimate important kinematic data related to following mechanisms to sketch them. a. Bicycle free wheel sprocket mechanism b. Geneva mechanism
4	Estimate important kinematic data related to following mechanisms to sketch them. a. Ackerman's steering gear mechanism b. Foot operated air pump mechanism
5	Determine velocity and acceleration of various links of the given mechanism (any two) by relative velocity method for analysis of motion of links (Minimum 2 problems on A2 size drawing sheet).
6	Determine velocity and acceleration in an I. C. engine's slider crank mechanism by Klein's construction (Minimum 2 problems on A2 size drawing sheet).
7	Draw profile of a radial cam for given follower type to obtain the desired follower motion (Minimum 2 problems on A2 size drawing sheet). Part I
8	Draw profile of a radial cam for given follower type to obtain the desired follower motion (Minimum 2 problems on A2 size drawing sheet). Part 11
9	Estimate slip, length of belt, angle of contact in an open and cross belt drive.
10	Calculate breaking torque required in different brakes at different speeds and load situations.
11	Assemble and dismantle different clutches. (Part I)
12	Assemble and dismantle different clutches. (Part II)
13	Measure radius and height of all types of governors for different rotational

Sr. No	Name of Experiment
	speeds, mass of balls and spring stiffness (in spring loaded governors)
14	Perform balancing of rotating unbalanced system

Sr. No	Name of Experiment
Subject: Mechanical Engineering Measurement 22443	
1	Identify contact & Non contact type instrument
2	Calibration of LVDT transducer for displacement measurement.
3	Use load cell to measure force on given system.
4	Measure forces using Eddy current dynamometer.
5	Calibration of bourdon pressure gauge.
6	Measure pressure using Mcleod Gauge
7	Calibration of Thermocouple.
8	Measure flow of liquid by rotameter.
9	Measure flow of liquid by ultrasonic flow meter.
10	calibration of stroboscope
11	Measure speed of rotating machine using inductive pick up.
12	Use of vibration meter for measuring vibration of machine.
13	using of vibration meter for measuring vibration structure
14	Use strain gauge to measure strain induced on member.
15	Use Psychrometer to measure air properties.
16	Use sound meter to measure sound level of given system.

Sr. No	Name of Experiment
Subject: Fluid Mechanics and Machinery	
1	Use Bourdon's pressure gauge and U-tube Manometer to measure water pressure also Measure discharge of water using measuring tank and stop watch.
2	Measure Total Energy available at different sections of a pipe layout
3	Use Venturimeter to measure discharge through a pipe.
4	Use sharp edged circular orifice to measure discharge through a pipe..
5	Estimate Darcy’s friction factor ‘f’ in pipe of three different diameters for four different discharges.
6	Determine frictional losses in sudden expansion and sudden contraction in pipe.
7	Determine frictional losses in bend in pipe.
8	Determine frictional losses in elbow in pipe.
9	Determine the force exerted by a jet on flat plate.
10	Use Pelton wheel test rig to determine overall efficiency.
11	Dismantle a Centrifugal pump.
12	Assemble a Centrifugal pump
13	Determine overall efficiency of Centrifugal Pump.
14	Dismantle Reciprocating pump.
15	Assemble Reciprocating pump.
16	Determine overall efficiency of Reciprocating pump using Reciprocating pump test rig.
17	Determine percent slip of Reciprocating pump.

Sr.No	Name of Experiment
1	Perform a plain turning operation on a given job on lathe.

2	Perform knurling & chamfering operations as per given drawing on a given job on lathe machine.
3	Perform threading operation as per given drawing on a given job on lathe machine.
3	Perform drilling & boring operations as per given drawing on a given job on lathe machine.
4	Perform drilling, reaming, tapping & countersinking operations as per given drawing on a given job on radial drilling machine.
5	Prepare a mould using split or solid pattern as per given drawing in a green sand.
6	Prepare a mould using split or solid pattern as per given drawing in a green sand.
7	Prepare lap joint using electric arc welding as per given drawing on a given job.

Sr. No	**Name of Experiment**
Subject: Fundamentals of Mechatronics	
1.	Select sensors, actuators, transducers, PLC and Microcontrollers for given application with justification.
2.	Prepare small circuits using different sensors and actuators.
3.	Develop the ladder logic to verify the functions of logic gates using PLC.
4.	Interface linear and Rotary transducers with PLC
5.	Develop ladder diagram and program PLC for timers and counters
6.	Prepare small circuits for door open and close application using different actuators with PLC
7.	temperature control Using PLC
8.	Build Electro -Pneumatic Circuits for given application
9.	Develop ladder diagram and program PLC for simulation of a pedestrian traffic controller
10.	Develop ladder diagram and program PLC for lift/elevator control
11.	Develop ladder diagram and program PLC for washing machine control
12.	Develop ladder diagram and program PLC for tank level control
13.	Develop ladder diagram and program PLC for soft drink vending machine control
14.	Develop and execute a program for 8051 microcontrollers for speed control of stepper motor
15.	Develop and execute a program for 8051 microcontrollers for relay interfacing

Sr. No	**Name of Experiment**
Subject: Computer Aided drafting	
1	Draw one simple 2D entities using Draw commands
2	Draw four complex 2D entities assigned by teacher using Draw, Edit and Modify Commands.
3	Draw to estimate Area , perimeter and Centroid for the given 2D entities like circle ,Pentagon, Trapezium, hexagon and 2D entities with arc and spline curves using Enquiry and List Commands.
4	Draw Epicycloid and hypocycloid using pitch circle as directing circle of a cycloid gear and an appropriate size smaller circle as generating circle.
5	Create any two problems of orthographic projection using first angle method of projection Plot the above orthographic projection drawing on A2/A3 size paper with

Sr. No	Name of Experiment
	block and institute logo.
6	Create any two problems of orthographic projections using third angle method of projection. Plot the above orthographic projection drawing on A2/A3 size paper with block and institute logo.
7	Create any two problems of Sectional orthographic projections using both (first and third) angle method of projection. Plot the above orthographic projection drawing on A2/A3 size paper with block and institute logo.
8	Draw isometric view of given to objects containing lines, arc circles, holes, ribs and slots.Plot the above isometric projection drawing on A2/A3 size paper with block and institute logo.
9	Draw an assembly drawing from the given detailed drawing showing conventional representation Bill Of Material. Plot the above Assembly drawing on A2/A3 size paper with block and institute logo.
10	Draw an assembly drawing from the given detailed drawing showing conventional representation. Dimensional and Geometrical tolerances and surface finish symbol. Plot the above Assembly drawing on A2/A3 size paper with block and institute logo.
11	Draw working drawing from given assembly drawing showing conventional representation. Dimensional and Geometrical tolerances and surface finish symbol.
12	Draw working drawing from given assembly drawing showing conventional representation. Dimensional and Geometrical tolerances and surface finish symbol.

Sr. No	Name of Experiment
Subject: Industrial Hydraulics and Pneumatics(22655)	
1	Identify the components and Draw ISO symbols of hydraulic and pneumatic trainers.
2	Analyze the performance of Pump and Actuators mounted on hydraulic trainer
3	Analyze the performance of control valves used in hydraulics and pneumatics
4	Analyze the performance of compressor, FRL unit, special valves and accessories of pneumatics.
5	Construct and actuate hydraulic circuit for SAC, DAC and Hydro motor for the given purpose
6	Construct and actuate Meter-in, Meter out Hydraulic circuit for the given purpose
7	Construct and actuate hydraulic circuit for the given sequencing of operations.
8	Develop circuit for simple machine tool applications such as milling machine, shaper machine, grinding machine
9	Maintain simple parts of mobile hydraulic system such as in earth moving equipment's
10	Maintain simple parts of any one stationary hydraulic system such as in any machine tool.
11	Maintain simple parts of any one stationary hydraulic system such as in any machine tool.
12	Construct and actuate Pneumatic circuit for SAC, DAC and Air motor for the given purpose.
13	Construct and actuate speed control Pneumatic circuits for the given purpose.
14	Construct and actuate indirect (pilot) control Pneumatic circuit for the given purpose.
15	Construct and actuate Pneumatic circuit for the given sequencing of operations.

Sr. No	Name of Experiment
16	Construct and actuate Pneumatic circuit for the given Logic functions (AND/OR/TIME DELAY)

Sr. No	Name of Experiment
Subject: Automobile Engineering	
1	Prepare a layout of vehicle available in your Laboratory
2	Dismantle, inspect and reassemble the Single Plate Clutch. (Coil Spring Type/Diaphragm Type)
3	Dismantle, inspect and reassemble the Multi-plate Clutch.
4	Dismantle, inspect and reassemble the Centrifugal Clutch.
5	Dismantle, inspect and reassemble the Synchromesh Gear Box.
6	Dismantle, inspect and reassemble the Propeller shaft Assembly.
7	Dismantle, inspect and reassemble the Differential Assembly.
8	Dismantle, inspect and reassemble the Drum/Disc Brake.
9	Dismantle, inspect and reassemble the Steering Gear box. (Rack & Pinion/ Reciprocating Type/Worm and Wheel)
10	Dismantle, inspect and reassemble the Power Steering system. (Hydraulic/ Electronic Type)
11	Dismantle, inspect and reassemble the Leaf Spring assembly.
12	Remove, inspect and refit the Wheel and Tyre assembly.
13	Test a Lead Acid Battery for Open Voltage and Specific Gravity.
14	Dismantle, inspect and reassemble the Distributor used in Battery Ignition System.
15	Prepare a simple electrical circuit for Automobile applications like Lighting/Horn/Wiper/Flasher/Indicators/Gauges etc.
16	Maintain given automobile component using various Service Tools.

Sr. No	Name of Experiment
Subject: Entrepreneurship Development	
1	Submit a profile summary of a successful entrepreneur indicating milestone achievement.
2	Undertake SWOT analysis to arrive at your business idea of a product or service.
3	Generate business ideas for entrepreneurial and entrepreneurial opportunities through brainstorming.
4	Undertake self assessment test to discover your entrepreneurial traits.
5	Identify business opportunity suitable for you.
6	Arrange the exhibition cum sale of products prepared out of waste.
7	Survey industries of your stream, grade them according to the level of scale of production, investment, turnover, pollution to prepare a report on it.
8	Visit a bank/financial institution to enquire about various funding schemes for small scale enterprise.
9	Collect loan application forms of nationalize banks/ other financial institution.
10	Compile the information from financial agencies that will help you set up your enterprise.
11	Compile the information from the government agencies that will help you set up your enterprise.
12	Prepare Technological feasibility report of chosen product/service.
12	Prepare financial feasibility report of chosen product/service.
14	Craft a vision statement and enabling mission statements for your chosen enterprise.

Sr. No	Name of Experiment
15	Prepare a set of short term, medium & long term goals for starting a chosen small scale enterprise.
16	Prepare marketing strategy for your chosen product/service.
17	Compile information about various insurance schemes covering different risk factors
18	Organize a funfair of your class & write a report on profit/loss.
19	Find the breakeven point for the business idea chosen by you.
20	Arrange a discussion session with your institute's pass out students who are successful entrepreneurs.
21	Prepare a business plan for your chosen small scale enterprise.

Sr. No	Name of Experiment
Subject: Renewable Energy Sources	
1	Study & Maintenance of solar thermal systems & there components.
2	Study & Maintenance of solar PV systems & there components
3	Study & Maintenance of wind turbine systems & there components
4	Study & Maintenance of micro hydro turbine & there components.
5	Study & Maintenance of biomass plant & there components
6	Study & Maintenance of hybrid renewable energy sources & there components
7	Identify components of solar dryer
8	Measure heat output, maximum power calculation of solar PV panel
9	Measure heat output, maximum power calculation of hydro power plant
10	Assemble/disassemble Horizontal axis wind mill
11	Assemble/disassemble Vertical axis wind mill
12	Assemble/disassemble wind solar hybrid system

Sr. No	Name of Experiment
Subject: Industrial Engineering & Quality Control.	
1	Apply method study to analyze the motions involved in machining operation of the given job.
2	Apply work measurement technique to analyze the time components involved in machining operation of given job using stop watch.
3	Calculate standard time for all the operations involved in step turning process.
4	Prepare motion chart of given activity using standard symbols of Therbligs (max 18)
5	Prepare supply chain chart in day-to-day situation like supply of cold drink /tooth paste/ any grocery item.
6	Prepare supply chain management chart for online purchase of goods/products.
7	Prepare detailed process plan for manufacturing of hexagonal nut/ hexagonal headed bolt/stud/wing nut/plain washer.
8	Prepare chart of sequence of operation for manufacturing of simple job like manufacturing of hexagonal nut & bolt/ V-block on shaper machine.
9	Prepare chart of sequence of operation for single or double riveted lap joint/ single riveted butt joint (single strap)
10	Redesign the given simple lever(s) like gear shifting lever /brake/clutch lever/foot lever for best ergonomic aspect.
11	Prepare and analyze steps to solve the given problem in institute/ industry using quality circle concept.
12	Draw the frequency histogram, frequency polygon for the samples and calculate mean, mode and median for same.
13	Draw the normal distribution curve, calculate deviation, Variance, Range and

Sr. No	Name of Experiment
	determine the process capability for 3 or 6
14	Draw and interpret the control charts (X & R) for given data.
15	Draw & interpret the control charts (P-chart & C- chart) for given data.

➢ **Computing Facilities**

- Internet Bandwidth
- Number and configuration of System
- Total number of system connected by LAN
- Total number of system connected by WAN
- Major software packages available
- Special purpose facilities available (Conduct of online Meetings/Webinars/Workshops, etc.)
- Facilities for conduct of classes/courses in online mode (Theory & Practical)
- Innovation Cell : NIL
- Social Media Cell : **(Form a committee – Gavade Madam Sushama Jadhav Madam, Bhoite Madam, Bagwan Madam, Borate Sir)**
- Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments

➢ **List of facilities available**

- Games and Sports Facilities:
  Our polytechnic has facilities and equipment for Volleyball, Cricket, Carom, Chess etc.
  Participation in Inter Zonal (D2 Zone) Outdoor, indoor games like Cricket, Badminton etc., tie up with IEDSSA Sport Organization. No IEDSSA Events organized for current academic year 2021-22 as well as last year 2020-21 due to COVID -19 Pandemic and Other covid and Vaccine related restrictions as per Minutes of annual general body meeting of IEDSSA held on 28th January 2022.

- **Extra-Curricular Activities:**
  library

1. Library Orientation Programme
2. Vachan Prerana Din
3. Book Exhibition
4. Faculty Reading Club
5. Student Reading Club
6. Marathi Bhasha Din

➢ **CIVIL Engineering**

Blood Donation Camp association with ‘Akshay Blood Bank Satara’ .

➢ **Computer Engineering**

➢ **Electrical Engineering**

➢ **Electronics and telecommunication Engineering**

➢ **Mechanical Engineering**

- Engineers Day on 15/09/2021
- Parents- Teachers – Students Meet (Odd Semester) on 23/10/2021
- Welcome Function on 31/12/2021
- Parents- Teachers – Students Meet (Even Semester) on 15/03/2022
- Expert Guest Lecture on Interview Technique on 07/03/2022

- Soft Skill Development Facilities: **(Gavade Madam)**

- **Teaching Learning Process**
- **Curriculam and syllabus for each of the Programmes as approved by the University:** As per MSBTE I Scheme Curriculum.
- **Academic Calendar of the University/MSBTE:** As Per MSBTE Academic Calendar 2021-22
- **Academic Time Table with the name of the Faculty members handling the Course:**

➢ **Time Table - 2021-2022 (Even Semester)**

Department: Civil Engineering **Class: - SY/TY**

RAYAT SHIKSHAN SANSTHA'S, KARMAVEER BHAURAO PATIL POLYTECHNIC, SATARA.

DEPARTMENT OF CIVIL ENGINEERING

TIME TABLE 2021 - 2022

FY CE & ME, SY CE, TY CE Diploma Semester : II/IV/VI w. e. f. 14/02/2022

DAY	CLASS	9.30 - 10.30	10.30 - 11.30	11.30 - 12.30	1.15 - 2.15	2.15 - 3.15	3.30 - 4.30	4.30 - 5.30
MON	CE 2I		----------	AME/KMN BF - 09	A1 : CEW/AAP (M), A2 : AME/SNG (E)		----------	
	ME 2I	AME/SNG CF - 07	F2 : AME/SNG (E)		----------		----------	----------
	CE 4I		HRY/RTG BG – 12	TOS/AAP BG – 12	GTE/SVK BG – 12	EST/KMN BG – 12	A1 : HRY/RTG (FM LAB), A2 : BPD/AAP (BF-13), A3 : GTE/SVK (C)	
	CE 6I		ETC/PPK BG - 11	MRS/SVK BG - 11	A1 : SWM/PPN(C) , A2 : EDP/RTG (P), A3 : CMA/PPK (T)		A1 : CPE/SNG (E), , A2 : CPE/PPN(M), A3 : CAA/PPK (T)	
TUE	CE 2I		----------	BSU/BRP BF - 09	A2 :CMA/KMN (E)		A1 : AME/KMN (E), A2 : BSU/BRP (S)	
	ME 2I		----------	----------	----------	----------	----------	----------
	CE 4I		EST/KMN BG - 12	BPD/RTG BG – 12	RBE/BRP BG – 12	HRY/RTG (T) BG - 12	Remedial Lecture	Remedial Lecture
	CE 6I		CAA/PPK BG - 11	MRS/SVK BG – 11	SWM/PPN BG - 11	ETC/PPK BG - 11	A1 : MRS/SVK (C), A2 : CMA/PPK (T), A3 : SWM/PPN (M)	
WED	CE 2I		----------	CMA/BRP BF - 09	A1 : CMA/BRP (S),		----------	CMA/BRP BF - 09
	ME 2I		----------		----------	----------	----------	----------
	CE 4I		HRY/RTG BG - 12	TOS/AAP BG – 12	RBE/PPN BG – 12	TOS/AAP (T) BG – 12	A1 : BPD/RTG (BF-13) A2 : HRY/KMN (FM LAB), A3 : BPD/PPN(BF-13)	
	CE 6I		CAA/PPK BG – 11	MAN/KMN BG – 11	A1 : EDP/KMN (M), A2 : CAA/PPK (T), A3 : EDP/RTG (M)		EDP/KCS BG - 11	MRS/SVK BG – 11
THU	CE 2I	BSU/BRP BF - 09	----------	AME/AAP BF - 09	A1 : BSU/BRP (S),		CMA/BRP BF - 09	----------
	ME 2I		AME/SNG CF - 07	----------	F1 : AME/SNG (E),		AME/SNG (T) CF - 07	----------
	CE 4I		RBE/PPN BG – 12	BPD/RTG BG - 12	A1 : GTE/SVK (C), A2 : BPD/AAP (BF-13) A3 : HRY/RTG (FM LAB)		TOS/AAP (T) BG - 12	HRY/RTG (T) BG - 12
	CE 6I		MAN/KMN BG - 11	ETC/PPK BG - 11	CAA/PPK BG - 11	SWM/PPN BG – 11	A1 : CAA/PPK (T), A2 : CPE/PPN (T), A3 : MRS/SVK (C),	
FRI	CE 2I	AME/KMN(T) BF - 09	A1 : BSU/BRP (S), A2 : CEW/AAP (M)		BSU/BRP BF - 09	----------	A1 : CEW/AAP (M), A2 : BSU/BRP (S)	
	ME 2I		----------	----------	----------	----------	----------	
	CE 4I		EST/KMN BG – 12	GTE/PPK BG - 12	TOS/AAP BG – 12	BPD/RTG BG – 12	A1 : BPD/RTG (BF-13) A2 : GTE/SVK (C), A3 : BPD/PPN (BF-13)	
	CE 6I		CMA/PPK BG - 11	MRS/SVK BG – 11	A1 : CMA/PPK (T), A2 : SWM/PPN (P), A3 : CPE/KMN (E)		EDP/KCS BG – 11	Remedial Lecture
SAT	CE 2I		----------	AME/AAP BF - 09	A2 : CEW/AAP (M)		----------	
	ME 2I		----------		AME/SNG CF - 07	----------	----------	----------
	CE 4I		TOS/AAP BG - 12	RBE/PPN BG – 12	GTE/PPK BG - 12	HRY/RTG BG - 12	----------	----------
	CE 6I		A1 : CPE/SNG (E), A2 : MRS/SVK (C), A3 : CPE/KMN (E)		SWM/PPN BG – 11	MAN/KMN BG – 11	Remedial Lecture	----------

Faculty Abbreviations :
KCS : K. C. Shaikh, SNG : S. N. Godse, BRP : B. R. Patil, SVK : S. V. Kumbhar, AAP : A. A. Patil, RTG : R. T. Gujar, PPN : P. P. Nalawade, KMN : K. M. Nalawade, PPK : P. P. Kale.

Time Table In Charge I/c HOD (Civil Eng. Dept.) I/c Principal

SUBJECT ABRIVATIONS

SR NO	FY		SR NO	SY	
	Name Of Subject	Abbreviation		Name Of Subject	Abbreviation
01	Applied Mechanics	AME	01	Hydraulics	HRY
02	Construction Materials	CMA	02	Theory of Structures	TOS
03	Basics Surveying	BSU	03	Railway and Bridge Engg.	RBE
04	Civil Engineering Workshop and Practice	CEW	04	Geo-Technical Engineering	GTE
----------			05	Building Planning and Drawing	BPD
			06	Environmental Studies	EST

SR NO	TY	
	Name Of Subject	Abbreviation
01	Management	MAN
02	Contracts and Accounts	CAA
03	Maintenance and Repairs of Structures	MRS
04	Emerging Trends in Civil Engineering	ETC
05	Solid Waste Management	SWM
06	Capstone Project – Execution and Report Writing	CPE
07	Construction Management	CMA
08	Entreprenuership Development	EDP

Sr. No.	Name of faculty with Abbreviation	Subject
01	Dr. K. C. Shaikh (KCS)	EDP
02	Mr. S. N. Godse (SNG)	AME, CPE
03	Mr. B. R. Patil (BRP)	BSU, CMA, RBE
04	Mr. S. V. Kumbhar (SVK)	GTE, MRS
05	Mr. A. A. Patil (AAP)	AME, CEW, TOS, BPD
06	Mr. R. T. Gujar (RTG)	HRY, BPD, EDP
07	Miss P. P. Nalawade (PPN)	RBE, BPD, SWM, CPE
08	Miss K. M. Nalawade (KMN)	AME, CMA, HRY, EST, CPE, EDP, MAN
09	Miss P. P. Kale (PPK)	GTE, CAA, ETC, CMA

- **Teaching Load of each Faculty**: **(Sample Table)**
- **Odd Semester Academic Year 2021-22**

Sr. No.	Name Of Faculty	Class	Subject	Load L+T+P	Total Load
01	Mr. S. N. Godse	SYME	Strength of Materials	03+00+06=09	16
		SYCE	Building Construction	01+00+06=07	
02	Mr. B. R. Patil	SYCE	Advanced Surveying	03+00+12=15	20
		TYCE	Estimating and Costing	01+00+04=05	
03	Mr. S. V. Kumbhar	SYCE	Concrete Technology	02+00+00=02	13
		TYCE	Design of Steel and R.C.C. Structures	04+01+06=11	
04	Mr. A. A. Patil	SYCE	Mechanics of Structures	03+02+06=11	18

		TYCE	Water Resource Engineering	**01+00+06=07**	
05	**Mr. R. T. Gujar**	**SYCE**	Highway Engineering	**03+00+06=09**	**18**
		TYCE	Public Health Engineering	**03+00+06=09**	
06	**Miss K. M. Nalawade**	**SYME**	**Strength of Materials**	**00+02+00=02**	**20**
		SYCE	**Building Construction**	**02+00+00=02**	
		SYCE	Concrete Technology	**01+00+00=01**	
		TYCE	**Rural Development**	**03+00+06=09**	
		TYCE	**Capstone Project Planning**	**00+00+06=06**	
07	**Miss P. P. Kale**	**SYCE**	Concrete Technology	**00+00+06=06**	**30**
		SYCE	Computer Aided Drawing	**00+00+12=12**	
		TYCE	Water Resource Engineering	**02+00+00=02**	
		TYCE	**Estimating and Costing**	**02+00+08=10**	
Total					**135**

➢ **Time Table - 2021-2022 (Even Semester)**

Department: Computer Engineering **Class: - SY/TY**

DAY	CLASS	10.30-11.30	11.30-12.30	12.30-1.15	1.15-2.15	2.15-3.15	3.15-3.30	3.30-4.30	4.30-5.30
MON	SYCO	JPR	DCC		SEN(A,B.C,D)			JPR(A,B,C,D)	
	TYCO	MAD	WBP		MGT	PWP		MAD(A,B,C,D)	
TUE	SYCO	SEN	MIC		-			-	
	TYCO	ETI	MGT		CPE			-	
WED	SYCO	DCC	JPR		GAD(A,B,C,D)			MIC(A,B,C,D)	
	TYCO	WBP	MAD		PWP	EDE		CPE(A,B,C,D)	
THU	SYCO	GAD	DCC		SEN	MIC		GAD(A,B,C,D)	
	TYCO	MGT	ETI		EDE(A,B,C,D)			MAD(A,B,C,D)	
FRI	SYCO	MIC	JPR		JPR(A,B,C,D)			DCC(A,B,C,D)	
	TYCO	WBP	MAD		EDE	PWP		WBP(A,B,C,D)	
SAT	SYCO	SEN	MIC		DCC	GAD		--	
	TYCO	MAD	ETI		PWP(A,B,C,D)				

Sub-Abbr	Subject Name & Code	Faculty Name& Lab.
GAD	GUI Application Development Using VB.Net(22034)	Ms. Jadhav M.R.
JPR	Java Programming (22412)	Ms.Jadhav B.S.
SEN	Software Engineering (22413)	Ms.Tone A.D.
DCC	Data Communication and Computer Network (22414)	Mrs. Palkar N.M.
MIC	Microprocessors (22415)	Mrs.Shinde M.A.

Sub-Abbr	Subject Name & Code	Faculty Name& Lab.
MGT	Management(22509)	Mr Mane R
PWP	Programming with Python (22616)	Mr.Urunkar O.R.
MAD	Mobile Application Development(22617)	Mr.Ghorpade B.S.
ETI	Emerging Trends in Computer and Information Technology(22618)	Ms.Jadhav B.S.
WBP	Web Based Application development Using PHP(22619)	Ms.Tone A.D.
EDE	Entrepreneurship Development (22032)	Mr Mane R
CPE	Capstone Project Execution (22060)	Mrs. Shinde M.A.

SYCO Batches :- A(1-20), B(21-40), C(41-60),D(61-above)

TYCO Bathes :- A(1-20), B(21-40), C(41-60),D(61-above)

FACULTY	CLASS	SUBJECTS	NO. of Lectures	Tutorial	Practical's	Subject Total	TOTAL WORKLOAD OF INDIVIDUAL FACULTY
Mr.Ghorpade. B.S	**TYCO**	Mobile Application Development	04	-	04*02=08	12	16
	TYCO	Capstone Project Execution and Report Writing	-	-	01*04=04	04	
Mrs. Shinde M. A	**SYCO**	Microprocessor	04		04*02=08	12	24
	TYCO	Capstone project Execution	0	-	04*03=12	12	
Mr. Urunkar O.R.	**TY CO**	Programming with Python	03	-	04*02=08	11	11
Ms.Tone A.D.	**SYCO**	Software Engineering	03	-	04*02=08	11	22
	TYCO	Web Based Application Development using PHP	03	-	04*02=08	11	
Ms. Bagwan A.A..	**FYCO**	Programming In C	06	04	03*04=12	22	22
Mrs. Palkar N.M.	FYCO	Web Page Designing with HTML	02	-	04*02=08	10	22
	SYCO	Data Communication And Computer Network	04	-	04*02=08	12	
Ms. Jadhav B.S.	SYCO	Java Programming	03	-	04*04=16	19	22
	TYCO	Emerging Trends in Computer and Information Technology	03	-	-	03	
Ms. Jadhav M.R.	FYCO	Programming In C	-	-	02*02=04	04	22
	SYCO	GUI Application Development using VB.Net	02	-	04*04=16	18	
Ms. Pawar D.S.	FY CO	Computer Peripherals and Hardware Maintenance	04	-	04*04=16	20	20
Ms. Mujawar N.S.	FY CO	Web Page Designing with HTML	02	-	04*02=08	10	18
	TY CO	Mobile Application Development	-		04*02=08	08	
	Total Workload of all faculty						199

➢ **Time Table - 2021-2022 (Even Semester)**

Department: Electrical Engineering **Class: - SY/TY**

DAY	CLASS	10.30-11.30	11.30-12.30	12.30-1.15	1.15-2.15	2.15-3.15		3.30-4.30	4.30-5.30
MON	SYEE	ECI (RYB)	EEM (ADB)		FPE (VBB)	EMW (RSB)		EPG-A, ECI-B,EMW-C	
	TYEE	MAN (DBD)	SAP (MDB)		IEB (RYB)	ECA (MDB)		ECA-A EDE-B, IAM-C	
TUE	SYEE	ECI(RYB)	EPG (RSB)		FPE (VBB)	EEM (ADB)		EEM-A EPG-B, ECI-C	
	TYEE	MAN (DBD)	SAP (MDB)		IAM (PSP)	ECA (MDB)		IEB-A, ECA-B, CPP-C	
WED	SYEE	EMW (RSB)	FPE (VBB)	B	EPG (RSB)	ECI(T) (RYB)		FPE-A, EMW-B, EPG-C	
	TYEE	MAN (DBD)	SAP (MDB)	R	IAM (PSP)	EDE (DBD)		EDE-A CPP-B, SAP-C	
THU	SYEE	EEM (ADB)	EPG (RSB)	E	ECI(T) (RYB)	ECI(RYB)	.....	EMW-A FPE-B, EEM-C	
	TYEE	IEB (RYB)	IEB (RYB)	A	IAM (PSP)	ECA (MDB)		CPP-A, IEB-B, ECA-C	
FRI	SYEE	EMW (RSB)	EEM (ADB)	K	EPG (RSB)	FPE (VBB)		ECI-A, EEM-B, EMW-C	
	TYEE	EDE (DBD)	IEB (RYB)		IAM (PSP)	ECA (MDB)		IAM-A SAP-B, EDE-C	
SAT	SYEE	ECI (RYB)	EMW (RSB)		EMW-A EMW-B, FPE-C				
	TYEE	SAP (MDB)	IAM		SAP-A, IAM-B, IEB-C,				

SUBJECT ABRIVATIONS

SR NO	SYEE(AF-07)		SR NO	TYEE(AF-08)	
	NAME OF SUBJECT	ABRIVATION		NAME OF SUBJECT	ABRIVATION
1	Electrical circuits	ECI	1	Management	MAN
2	Fundamental of power electronic	FPE	2	Industrial AC Machines	IAM
3	Electrical & electronic Measurement	EEM	3	Switch and Protection	SAP
4	Electrical power generation	EPG	4	Energy conservation and audit	ECA
5	Electrical material &wirings	EMW	5	Illumation and Electrification of Buildings	IEB
			6	Entrepreneurship Development	EDE
			7	Industrial Training	ITR
			8	Capstone Project Planning	CPP

DAY	CLASS	10.30-11.30	11.30-12.30	12.30-1.15	1.15-2.15	2.15-3.15	3.15-3.30	3.30-4.30	4.30-5.30
MON	SYEE	EPT	DEM	B R E A K	IME	CNE	B R E A K	CNE-A,DEM-B,EDC-C	
	TYEE	ESP	EEC		MEE	UEE		CPE-A,MEE-B,UEE-C	
TUE	SYEE	DEM	IME		CNE(T)	EPT (T)		EST	
	TYEE	MEE	UEE		ETE	ESP			
WED	SYEE	CNE	DEM		EPT (T)	EST		IME-A,EDC-B, CNE-C	
	TYEE	EEC	ESP		MEE-A,CPE-B,CPE-C				
THU	SYEE	EST	EPT		CNE(T)	IME		DEM-A,EDC-B, IME-C	
	TYEE	UEE	EEC		UEE-A,ESP-B EEC-C			CPE-A,EEC-B,MEE-C	
FRI	SYEE	EPT	CNE		EDC-A,IME-B, DEM-C			EDC-A,CNE-B	
	TYEE	ETE	MEE		ESP-A,CPE-B,CPE-C				
SAT	SYEE	DEM	CNE		EDC-C				
	TYEE	UEE	ETE		EEC-A,UEE-B,ESP-C				

SUBJECT ABRIVATIONS

SR NO	SYEE(AF-07) NAME OF SUBJECT	ABRIVATION	SR NO	TYEE(AF-08) NAME OF SUBJECT	ABRIVATION
1	Electric Motor And Transformers	CNE (SSS)	1	Maintenance Of Electric Equipment	MAA (MDB)
2	Electrical Power Transmission And Distribution	EPT (MDB)	2	Electric Substation Practices	ESP (ACM)
3	Industrial Measurement	IME (ADB)	3	Electrical Estimation And Contracting	EEC (RSB)
4	Digital Electronics &Microcontroller Application	DEM (VBB)	4	Utilization Of Electrical Energy	UEE (YBR)
5	Environmental Studies	EST (ACM)	5	Emerging Trend In Electrical Engineering	ETE (ADB)
6	Electrical Drawing And CAD	EDC (ADB)	6	Capstone Project	CPE (ADB) (VBB) (SSS)(ACM)

Name of faculty	Abbreviation
Mr. Devi D.B.	(DBD)
Mr.Bhujbal M.D.	(MDB)
Mr.Bhongle R.S.	(RSB)
Mr.Bhosale V.B	(VBB)
Mr.Raut Y.B.	(RYB)
Mr.Borate A.D.	(ADB)
Miss Mane A.C.	(ACM)

- **Teaching Load of each Faculty**: **(Sample Table)**
- **Odd Semester Academic Year 2021-22**

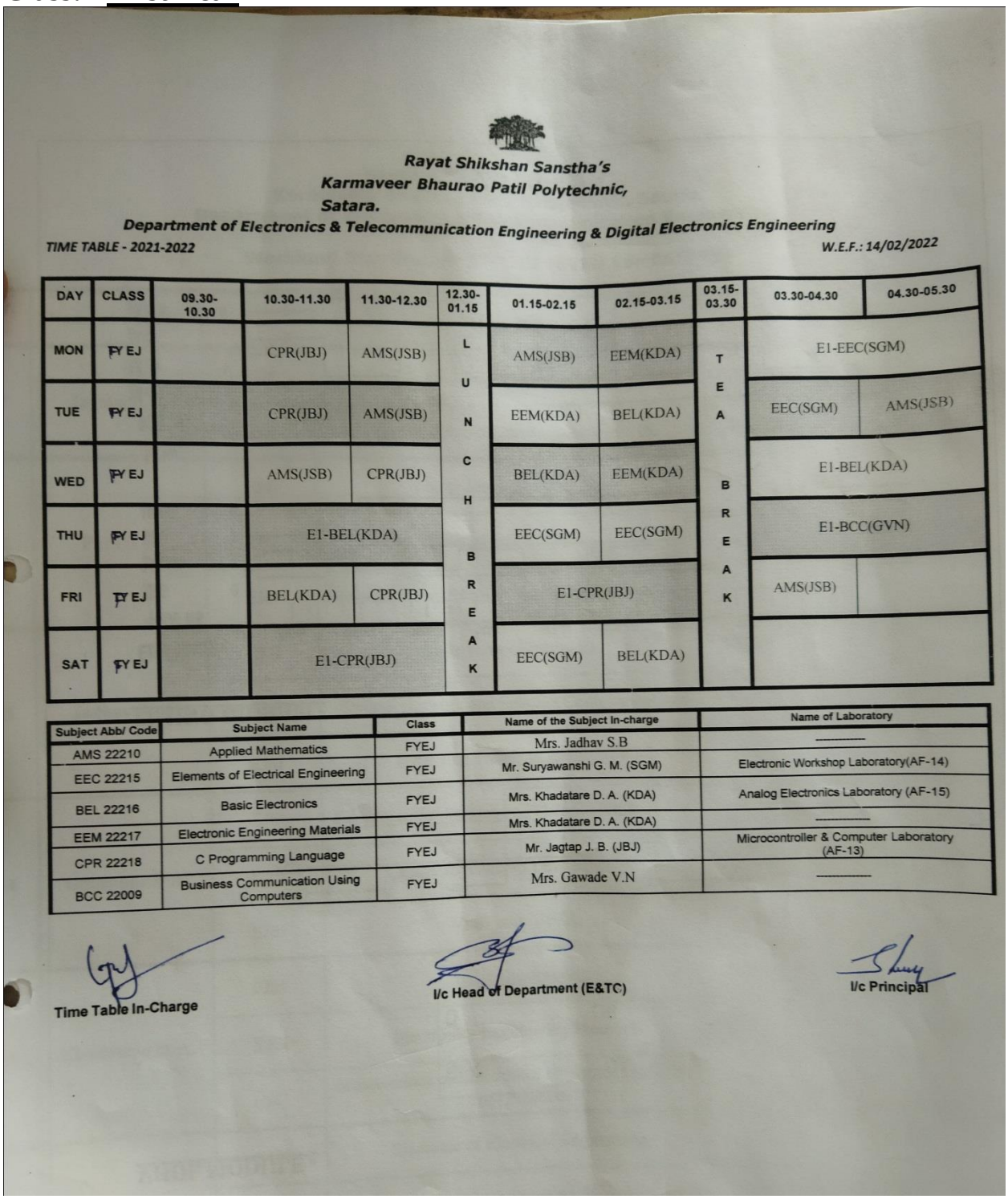
Sr.No	NAME OF FACULTY	CLASS	SUBJECT	LOAD L+T+P	TOTAL LOAD
01	Mr. DEVI D.B.	TYEE	MANGEMENT	03+00+00=03	15
		TYEE	ENTREPRENEURSHIP DEVELOPMENT	02+00+06=08	
		TYEE	ILLUMINATION AND ELECTRIFICATION OF BUILDING	00+00+02=02	
		SYEE	ELECTRICAL MATERIAL AND WIRING	00+00+02=02	
02	MRS. PATIL P.S.	TYEE	INDUSTRIAL AC MACHINE	04+00+06=10	20
		TYEE	CAPSTONE PROJECT PLANNING	00+00+04=04	
		TYEE	INDUSTRIAL TRAINING	00+00+06=06	
03	MR.BHUJBAL M.D	TYEE	SWITCH GEAR & PROTECTION	04+00+06=10	19
		TYEE	ENERGY CONSERVATION AND AUDIT	03+00+06=09	
04	MR.BHONGALE R.S.	SYEE	ELECTRICAL POWER GENERATION	04+00+06=10	19
		SYEE	ELECTRICAL MATERIAL AND WIRING	03+00+06=09	
05	MR.BHOSALE V.B.	SYEE	FUNDAMENTAL OF POWER ELECTRONICS	04+00+06=10	18
		FYEE	FUNDAMENTAL OF ICT	02+00+04=06	
		TYEE	CAPSTONE PROJECT PLANNING	0+00+02=02	
06	MR.RAUT Y.B.	TYEE	ILLUMINATION AND ELECTRIFICATION OF BUILDING	03+00+04=07	19
		SYEE	ELECTRICAL CIRCUIT	04+02+06=12	
07	Mr. BORATE A.D.	SYEE	ELECTRICAL AND ELECTRONIC MEASUREMENT	04+00+06=10	19
		SYME	BASIC ELECTRICAL AND ELECTRONICS	02+00+03=05	
		SYEE	ELECTRICAL MATERIAL AND WIRING	00+00+04=04	
Total					129

SR.NO	NAME OF FACULTY	CLASS	SUBJECT	LOAD L+T+P	TOTAL LOAD
1	MR. DEVI D.B.	TYEE	CAPSTONE PROJECT	00+00+04=04	14
		FYCO	ELEMENTS OF ELECTRICAL ENGINEERING	04+00+06=10	
2	MRS.PATIL P.S.	TYEE	CAPSTONE PROJECT	00+00+04=04	16
		SYEE	**ELECTRIC MOTOR AND TRANSFORMERS**	04+02+06=12	
3	MR.BHUJBAL M.D	TYEE	MAINTENANCE OF ELECTRIC EQUIPMENT	03+00+06=09	16
		TYEE	CAPSTONE PROJECT	00+00+02=02	
		SYEE	ELECTRICAL POWER TRANSMISSION AND DISTRIBUTION	03+02+00=05	
4	MR.BHONGALE R.S.	TYEE	ELECTRICAL ESTIMATION AND CONTRACTING	03+00+06=09	19
		FYCO	ELEMENTS OF ELECTRICAL ENGINEERING	04+00+06=10	
5	MR.BHOSALE V.B.	SYEE	DIGITAL ELECTRONICS &MICROCONTROLLER APPLICATION	04+00+06=10	19
		FYEE	ELEMENTS OF ELECTRONICS	03+00+04=07	
		TYEE	CAPSTONE PROJECT	00+00+02=02	
6	MR.RAUT Y.B.	FYEE	FUNDAMENTAL OF ELECTRICAL ENGG.	04+02+04=10	20
		TYEE	UTILIZATION OF ELECTRICAL ENERGY	04+00+06=10	
7	MR. BORATE A.D.	TYEE	EMERGING TREND IN ELECTRICAL ENGINEERING	03+00+00=03	18
		SYEE	INDUSTRIAL MEASUREMENT	03+00+06=09	
		SYEE	ELECTRICAL DRAWING AND CAD	00+00+06=06	
08	MISS.JADHAV P.M.	TYEE	**ELECTRIC SUBSTATION PRACTICES**	03+00+06=09	18
		SYEE	ELECTRICAL DRAWING AND CAD	00+00+06=06	
		SYEE	**ENVIOURMENT STUDIES**	03+00+00=03	
				TOTAL	140

➢ **Time Table - 2021-2022 (Even Semester)**

Department: Electronics and Telecommunication Engineering

Class: - First Year



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil Polytechnic,
Satara.

Department of Electronics & Telecommunication Engineering & Digital Electronics Engineering

TIME TABLE - 2021-2022 *W.E.F.: 14/02/2022*

DAY	CLASS	09.30-10.30	10.30-11.30	11.30-12.30	12.30-01.15	01.15-02.15	02.15-03.15	03.15-03.30	03.30-04.30	04.30-05.30
MON	FY EJ		CPR(JBJ)	AMS(JSB)	LUNCH BREAK	AMS(JSB)	EEM(KDA)	TEA BREAK	E1-EEC(SGM)	
TUE	FY EJ		CPR(JBJ)	AMS(JSB)		EEM(KDA)	BEL(KDA)		EEC(SGM)	AMS(JSB)
WED	FY EJ		AMS(JSB)	CPR(JBJ)		BEL(KDA)	EEM(KDA)		E1-BEL(KDA)	
THU	FY EJ		E1-BEL(KDA)			EEC(SGM)	EEC(SGM)		E1-BCC(GVN)	
FRI	FY EJ		BEL(KDA)	CPR(JBJ)		E1-CPR(JBJ)			AMS(JSB)	
SAT	FY EJ		E1-CPR(JBJ)			EEC(SGM)	BEL(KDA)			

Subject Abb/ Code	Subject Name	Class	Name of the Subject In-charge	Name of Laboratory
AMS 22210	Applied Mathematics	FYEJ	Mrs. Jadhav S.B	----------
EEC 22215	Elements of Electrical Engineering	FYEJ	Mr. Suryawanshi G. M. (SGM)	Electronic Workshop Laboratory(AF-14)
BEL 22216	Basic Electronics	FYEJ	Mrs. Khadatare D. A. (KDA)	Analog Electronics Laboratory (AF-15)
EEM 22217	Electronic Engineering Materials	FYEJ	Mrs. Khadatare D. A. (KDA)	----------
CPR 22218	C Programming Language	FYEJ	Mr. Jagtap J. B. (JBJ)	Microcontroller & Computer Laboratory (AF-13)
BCC 22009	Business Communication Using Computers	FYEJ	Mrs. Gawade V.N	----------

Time Table In-Charge

I/c Head of Department (E&TC)

I/c Principal

Second Year

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil Polytechnic,
Satara.

Department of Electronics & Telecommunication Engineering & Digital Electronics Engineering

TIME TABLE - 2021-2022 *W.E.F.: 14/02/2022*

DAY	CLASS	09.30-10.30	10.30-11.30	11.30-12.30	12.30-01.15	01.15-02.15	02.15-03.15	03.15-03.30	03.30-04.30	04.30-05.30
MON	SY EJ		LIC(PSS)	BPE(JSM)	LUNCH BREAK	E1-DCS(SGM), E2-MAA(JBJ)		TEA BREAK	E1-LIC(PSS), E2-MET(KDA)	
TUE	SY EJ		DCS(SGM)	CEL(PSS)		MAA(JBJ)	LIC(PSS)		E1-CEL(PSS), E2-BPE(JSM)	
WED	SY EJ		DCS(SGM)	LIC(PSS)		E1-DCS(SGM),E2-LIC(PSS)			E1-MAA(JBJ), E2-CEL(PSS)	
THU	SY EJ		MAA(JBJ))	MAA(JBJ)		LIC(PSS)	BPE(JSM)		E1-MET(KDA), E2-DCS(SGM)	
FRI	SY EJ		CEL(PSS)	DCS(SGM)		E1-MET(KDA), E2-DCS(SGM)			E1-BPE(JSM), E2-MET(KDA)	
SAT	SY EJ		BPE(JSM)	DCS(SGM)		MAA(JBJ)	CEL(PSS)			

Subject Abb/ Code	Subject Name	Class	Name of the Subject In-charge	Name of Laboratory
LIC 22423	Linear Integrated Circuits	SYEJ	Mrs. Patil S. S. (PSS)	Analog Electronics Laboratory (AF-15)
CEL 22425	Consumer Electronics	SYEJ	Mrs. Patil S. S. (PSS)	Measurement Laboratory (AF-01)
MAA 22426	Microcontroller and Applications	SYEJ	Mr. Jagtap J. B. (JBJ)	Microcontroller & Computer Laboratory (AF-13)
BPE 22427	Basic Power Electronics	SYEJ	Mrs. Jadhav S. M. (JSM)	Analog Electronics Laboratory (AF-15)
DCS 22428	Digital Communication Systems	SYEJ	Mr. Suryawanshi G. M. (SGM)	Analog Comm Laboratory (AF-16)
MET 22036	Maintenance of Electronics Equipment and EDA tool practices	SYEJ	Mrs. Khadatare D. A. (KDA)	Analog Electronics Laboratory (AF-15)/ Microcontroller & Computer Laboratory(AF-13)

Time Table In-Charge

I/c Head of Department (E&TC)

I/c Principal

Third Year

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil Polytechnic,
Satara.

Department of Electronics & Telecommunication Engineering & Digital Electronics Engineering

TIME TABLE - 2021-2022 *W.E.F.: 14/02/2022*

DAY	CLASS	09.30-10.30	10.30-11.30	11.30-12.30	12.30-01.15	01.15-02.15	02.15-03.15	03.15-03.30	03.30-04.30	04.30-05.30
MON	TY EJ		CPR(JBJ)	AMS(JSB)	LUNCH BREAK	AMS(JSB)	EEM(KDA)	TEA BREAK	E1-EEC(SGM)	
TUE	TY EJ		CPR(JBJ)	AMS(JSB)		EEM(KDA)	BEL(KDA)		EEC(SGM)	AMS(JSB)
WED	TY EJ		AMS(JSB)	CPR(JBJ)		BEL(KDA)	EEM(KDA)		E1-BEL(KDA)	
THU	TY EJ		E1-BEL(KDA)			EEC(SGM)	EEC(SGM)		E1-BCC(GVN)	
FRI	TY EJ		BEL(KDA)	CPR(JBJ)		E1-CPR(JBJ)			AMS(JSB)	
SAT	TY EJ		E1-CPR(JBJ)			EEC(SGM)	BEL(KDA)			

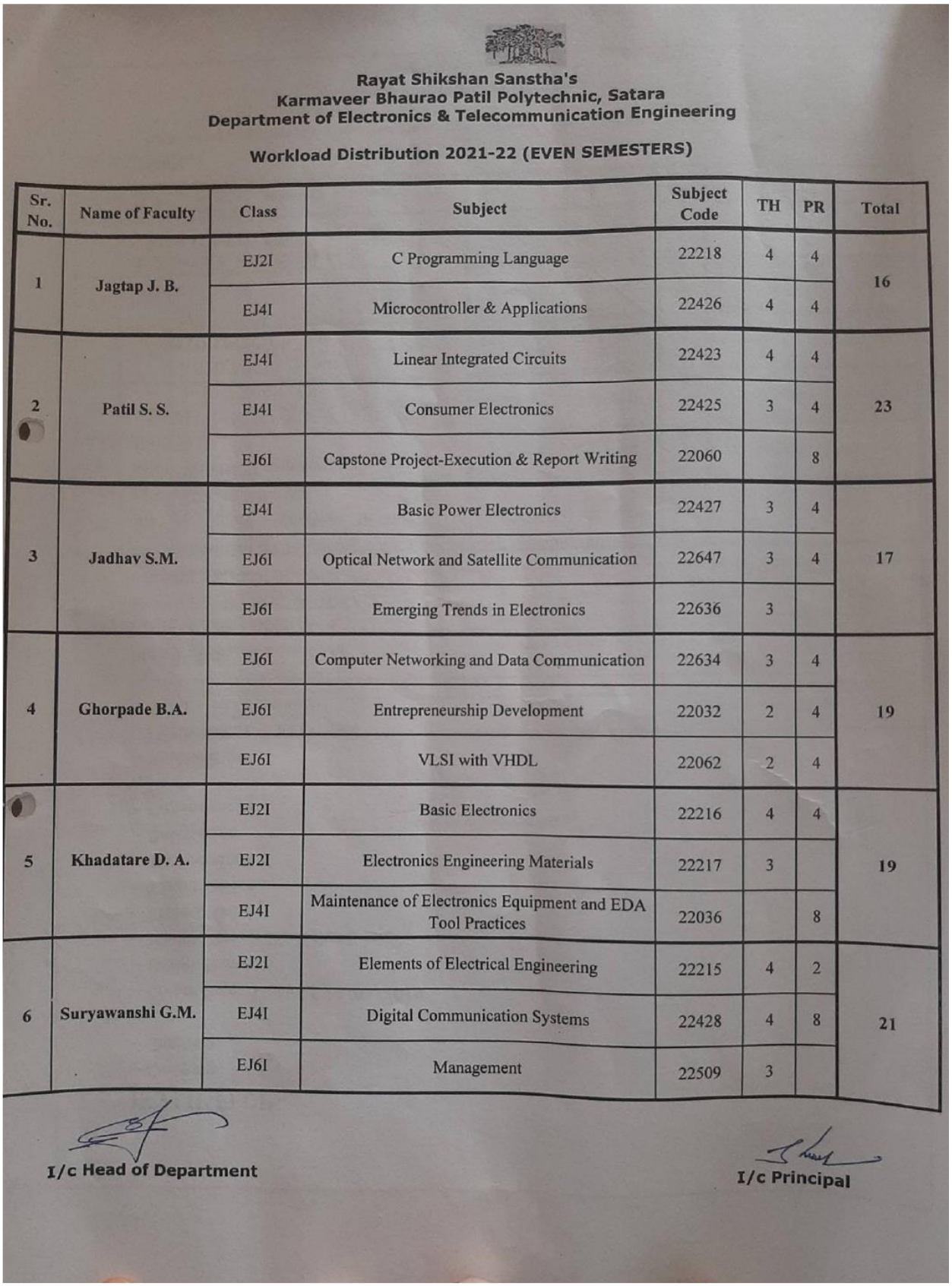
Subject Abb/ Code	Subject Name	Class	Name of the Subject In-charge	Name of Laboratory
AMS 22210	Applied Mathematics	FYEJ	Mrs. Jadhav S.B	----------
EEC 22215	Elements of Electrical Engineering	FYEJ	Mr. Suryawanshi G. M. (SGM)	Electronic Workshop Laboratory(AF-14)
BEL 22216	Basic Electronics	FYEJ	Mrs. Khadatare D. A. (KDA)	Analog Electronics Laboratory (AF-15)
EEM 22217	Electronic Engineering Materials	FYEJ	Mrs. Khadatare D. A. (KDA)	----------
CPR 22218	C Programming Language	FYEJ	Mr. Jagtap J. B. (JBJ)	Microcontroller & Computer Laboratory (AF-13)
BCC 22009	Business Communication Using Computers	FYEJ	Mrs. Gawade V.N	----------

Time Table In-Charge

I/c Head of Department (E&TC)

I/c Principal

Teaching Load of each Faculty



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil Polytechnic, Satara
Department of Electronics & Telecommunication Engineering

Workload Distribution 2021-22 (EVEN SEMESTERS)

Sr. No.	Name of Faculty	Class	Subject	Subject Code	TH	PR	Total
1	Jagtap J. B.	EJ2I	C Programming Language	22218	4	4	16
		EJ4I	Microcontroller & Applications	22426	4	4	
2	Patil S. S.	EJ4I	Linear Integrated Circuits	22423	4	4	23
		EJ4I	Consumer Electronics	22425	3	4	
		EJ6I	Capstone Project-Execution & Report Writing	22060		8	
3	Jadhav S.M.	EJ4I	Basic Power Electronics	22427	3	4	17
		EJ6I	Optical Network and Satellite Communication	22647	3	4	
		EJ6I	Emerging Trends in Electronics	22636	3		
4	Ghorpade B.A.	EJ6I	Computer Networking and Data Communication	22634	3	4	19
		EJ6I	Entrepreneurship Development	22032	2	4	
		EJ6I	VLSI with VHDL	22062	2	4	
5	Khadatare D. A.	EJ2I	Basic Electronics	22216	4	4	19
		EJ2I	Electronics Engineering Materials	22217	3		
		EJ4I	Maintenance of Electronics Equipment and EDA Tool Practices	22036		8	
6	Suryawanshi G.M.	EJ2I	Elements of Electrical Engineering	22215	4	2	21
		EJ4I	Digital Communication Systems	22428	4	8	
		EJ6I	Management	22509	3		

I/c Head of Department

I/c Principal

➢ **Time Table - 2021-2022 (odd Semester)**

Department: Mechanical Engineering **Class: - SY/TY**

DAY	10.45-11.45	11.45-12.45	12.45-1.15	1.15-2.15	2.15-3.15	3.15-3.30	3.30-4.30	4.30-5.30
MON	SOM (SNG)	BEE (SSP)	BREAK	MEM (SSY)	MWM (NFM)	BREAK	**SOM(A1) (SNG) SOM(A2) (SNG) SOM(A3) (SNG)**	
TUE	EME (NBD)	MWM (NFM)		TEN (KBD)	BEE (SSP)		**MEM (A1) (SSY) MEM(A2) (SSY) MEM(A3) (SSY)**	
WED	BEE (ADB)	MEM (SSY)		TEN (KBD)	EME (NBD)		**MWM (A1) (PVZ) MWM(A2) (PVZ) MWM(A3) (NFM)**	
THU	SOM (SNG)	MEM (SSY)		BEE (ADB)	SOM (Tut) (KMN)		**TEN (A1) (KBD) TEN(A2) (KBD) TEN(A3) (KBD)**	
FRI	MWM (NFM)	TEN (KBD)		**EME (A1) (NBD) EME(A2) (NBD) EME(A3) (SSJ)**			**MWM (A1) (PVZ) MWM(A2) (PVZ) MWM(A3) (NFM)**	
SAT	SOM (SNG)	EME (NBD)		**BEE(A1) (SSP/ADB) BEE(A2) (SSP/ADB) BEE(A3) (SSP/ADB)**			SOM (Tut) (KMN)	Remedial Lecture

DAY	10.45-11.45	11.45-12.45	12.45-1.15	1.15-2.15	2.15-3.15	3.15-3.30	3.30-4.30	4.30-5.30
MON	AMP (RVK)	EMD (PVZ)	BREAK	PER (SGS)	PPE (DRW)	BREAK	**AMP(A1) (RVK) AMP (A2) (RVK) AMP (A3) (NFM)**	
TUE	MAN (SSJ)	EMD (PVZ)		PPE (DRW)	AMP (RVK)		**SMA (A1) (KBD) SMA (A2) (KBD) SMA (A3) (KBD)**	
WED	EMD (PVZ)	MAN (SSJ)		**PER (A1) (SGS) PER (A2) (SGS) PER (A3) (DRW)**			**SMA (A1) (KBD) SMA (A2) (KBD) SMA (A3) (KBD)**	
THR	AMP (RVK)	PER (SGS)		**PPE (A1) (DRW) PPE (A2) (DRW) PPE (A3) (DRW)**			**AMP(A1) (RVK) AMP (A2) (RVK) AMP (A3) (NFM)**	
FRI	PPE (DRW)	PER (SGS)		**EMD (A1) (PVZ) EMD (A2) (PVZ) EMD (A3) (PVZ)**			**CPP (A1) (NBD) CPP (A2) (NBD) CPP (A3) (PVZ)**	
SAT	AMP (RVK)	PER (SGS)		EMD (PVZ)	Remedial Lecture			

SUBJECT ABRIVATIONS

SR NO	SYME		SR NO	TYME	
	Name of Subject	Abbreviation		Name of Subject	Abbreviation
1	Strength of Materials (22306)	SOM	1	Management (22509)	MAN
2	Basic Electrical &	BEE	2	Power Engineering and	PER

	Electronics Engineering (22310)			Refrigeration (22562)	
3	Thermal Engineering (22337)	TEN	3	Advanced Manufacturing Process (22563)	AMP
4	Mechanical Working Drawing (17341)	MWM	4	Elements of Machine Design (22564)	EMD
5	Engineering Metrology (22342)	EME	5	Power Plant Engineering (22566)	PPE
6	Mechanical Engineering Materials (22343)	MEM	6	Capstone Project Planning (22050)	CPP
			7	Solid Modeling and Additive Manufacturing (22053)	SMA

Sr. No	Name of faculty with Abbreviation	Subject
1	Mr. S. N. Godse (SOM) Miss K. M. Nalawade (SOM)	Strength of Materials (22306)
2	Basic Electrical & Electronics Engineering (BEE)	Basic Electrical & Electronics Engineering (22310)
3	Thermal Engineering (TEN)	Thermal Engineering (22337)
4	Mechanical Working Drawing (MEW)	Mechanical Working Drawing (17341)
5	Engineering Metrology (EME)	Engineering Metrology (22342)
6	Mechanical Engineering Materials (MEM)	Mechanical Engineering Materials (22343)

Sr. No	Name of faculty with Abbreviation	Subject
1	Mr. S. S. Jadhav (MAN)	Management (22509)
2	Mr. S. G. Sherkar (PER)	Power Engineering and Refrigeration (22562)
3	Mr. R. V. Kumbhar (AMP)	Advanced Manufacturing Process (22563)
4	Mr. P. V. Zore (EMD)	Elements of Machine Design (22564)
5	Mr. D. R. Waghmode (PPE)	Power Plant Engineering (22566)
6	Mr. N. B. Devi (CPP)	Capstone Project Planning (22050)
7	Mr. K. B. Dhanawade (SMA)	Solid Modeling and Additive Manufacturing (22053)

- **Time Table - 2021-2022 (Even Semester)**

Department: Mechanical Engineering
Class: - SYME/TYME

DAY	CLASS	10.30-11.30	11.30-12.30	12.30-1.15	1.15-2.15	2.15-3.15	3.15-3.30	3.30-4.30	4.30-5.30
MON	SYME	MPR (SGS)	TOM (PVZ)		CAD A1(KBD) TOM A2 (KHS) CAD A3 (PVZ)			FMM (NBD)	FOM (PVZ)
	TYME	AEN (KBD)	RET (RVK)		IHP (SSY)	IEQ (RSM)		RET (A1) (RVK) IHP (A2) (DRW) CPE (A3) (SSY)	
TUE	SYME	FMM (NBD)	MEM (DRW)		TOM (PVZ)	EST (KHS)		Remedial Lecture	Remedial Lecture
	TYME	IEQ (RSM)	RET (RVK)		CPE (A1) NBD AEN A2 (KBD) RET (A3)(RVK)			IEQ (A1) (RSM) CPE (A2) PVZ AEN A3 (KBD)	
WED	SYME	FOM (PVZ)	MEM (DRW)		TOM A1 (KHS) CAD A2 (PVZ) MEM A3(DRW)			FMM (NBD)	EST (KHS)
	TYME	AEN (KBD)	RET (RVK)	B R E A K	ETM (RVK)	IHP (SSY)	B R E A K	AEN A1 (KBD) RET (A2)(RVK) IHP (A3) (DRW)	
THU	SYME	FMM (NBD)	EST (KHS)		MPR A1 (SGS) FOM A2 (KHS) FOM A3(KHS)			MPR (SGS)	TOM (PVZ)
	TYME	ETM (RVK)	IHP (SSY)		EDE (A1) (RVK) CPE (A2) (PVZ) CPE(A3) (SSY)			IHP (A1) (DRW) EDE (A2 (KHS) IEQ (A3) (RSM)	
FRI	SYME	MEM (DRW)	MPR (SGS)		FOM A1 (PVZ FMM A2 (NBD) TOM A3 (KHS)			CAD A1(KBD) MEM A2 (DRW) CAD A3 (PVZ)	
	TYME	IEQ (RSM)	ETM (RVK)		AEN (KBD)	EDE (KHS)		CPE (A1) (NBD) IEQ (A2) (RSM) EDE (A3) (KHS)	
SAT	SYME	FMM A1 (NBD) CAD A2 (PVZ) MPR A3 (SGS)			MEM A1 (DRW MPR A2 (SGS) FMM A3 (KBD)				
	TYME	EDE (KHS)	Remedial Lecture		Remedial Lecture	Remedial Lecture			

SUBJECT ABRIVATIONS

SR NO	SYME		SR NO	TYME	
	Name of Subject	Abbreviation		Name of Subject	Abbreviation
1	Theory of Machines (22438)	TOM	1	Automobile Engineering (22656)	AEN
2	Mechanical Engineering Measurements (22443)	MEM	2	Entrepreneurship Development (22032)	EDE
3	Fluid Mechanics & Machinery (22445)	FMM	3	Renewable Energy Technology (22661)	RET
4	Manufacturing Processes (22446)	MPR	4	Industrial Hydraulics and Pneumatics (22655)	IHP

5	Environmental Studies (22447)	EST	5	Emerging Trend in Mechanical Engineering (22652)	ETM
6	Fundamentals of Mechatronics (22048)	FOM	6	Industrial Engineering and Quality Control (22657)	IEQ
7	Computer Aided Drafting(22042)	CAD	7	Capstone Project Execution and Report Writing (22060)	CPE

Sr. No	Name of faculty with Abbreviation	Subject
1	Mr. Zore P.V. (TOM)	Theory of Machines (22438)
2	Mr. D.R.Waghmode (MEM)	Mechanical Engineering Measurements (22443)
3	Mr. N.B.Devi (FMM)	Fluid Mechanics & Machinery (22445)
4	Mr. S.G. Sherkar (MPR)	Manufacturing Processes (22446)
5	Miss. Sakhare K. H. (EST)	Environmental Studies (22447)
6	Mr. Zore P.V. (FOM)	Fundamentals of Mechatronics (22048)
7	Mr. K.B.Dhanawade (CAD)	Computer Aided Drafting(22042)

Sr. No	Name of faculty with Abbreviation	Subject
1	Mr. K.B.Dhanawade	Automobile Engineering (22656)
2	Miss. Sakhare K. H.	Entrepreneurship Development (22032)
3	Mr. R.V.Kumbhar	Renewable Energy Technology (22661)
4	Mr. S.S. Yewale	Industrial Hydraulics and Pneumatics (22655)
5	Mr. R.V.Kumbhar	Emerging Trend in Mechanical Engineering (22652)
6	Mr. R. S. Mane	Industrial Engineering and Quality Control (22657)
7	Mr. N.B.Devi	Capstone Project Execution and Report Writing (22060)

- **Teaching Load of each Faculty**:
- **Odd Semester Academic Year 2021-22**

Sr. No	Name Of Faculty	Class	Subject	Load L+T+P	Total Load
01	Shri. N. B. Devi	**SYME**	**Engineering Metrology**	**03+00+04=07**	**15**
		TYME	**Capstan Project Planning**	**00+00+04=04**	
		FYCE	**Workshop Practice**	**00+00+04=04**	
02	Shri. S. G. Sherkar	**TYME**	Power Engineering and Refrigeration	**03+00+04=07**	**15**
		FYME	**Workshop Practice**	**00+00+04=04**	
03	Shri. P. V. Zore	**TYME**	Elements of Machine Design	**04+00+06=10**	**20**
		SYME	**Mechanical Working Drawing**	**00+00+08=08**	
		TYME	**Capstan Project Planning**	**00+00+02=02**	
04	Shri. S. S. Yewale	**SYME**	**Mechanical Engineering Materials**	**03+00+06=09**	**21**
		FYCE	Engineering Graphics	**00+00+08=08**	
		FYCE	**Workshop Practice**	**00+00+04=04**	
05	Shri. D. R. Waghmode	**TYME**	Power Plant Engineering	**03+00+06=09**	**21**
		TYME	Power Engineering and Refrigeration	**00+00+02=02**	
		FYCO	Engineering Graphics	**00+00+08=08**	
		FYEJ	**Workshop Practice**	**00+00+02=02**	
06	Shri. S. S. Jadhav	**TYME**	Management	**03+00+00=03**	**17**

		SYME	**Engineering Metrology**	**00+00+02=02**	
		FYEJ	Engineering Graphics	**00+00+04=04**	
		FYEE	**Workshop Practice**	**00+00+08=08**	
07	**Shri. K. B. Dhanawade**	**SYME**	Thermal Engineering	**03+00+06=09**	**21**
		TYME	**Solid Modeling and Additive Manufacturing**	**00+00+12=12**	
08	**Shri. R. V. Kumbhar**	**TYME**	**Advanced Manufacturing Process**	**04+00+08=12**	**22**
		FYEE	Engineering Graphics	**02+00+08=10**	
09	Shri. N. F. Momin	**SYME**	**Mechanical Working Drawing**	**03+00+04=07**	**21**
		TYME	**Advanced Manufacturing Process**	**00+00+04=04**	
		FYME	Engineering Graphics	**02+00+08=10**	
10	**Miss K. H. Sakhare**	**FYCO**	Engineering Graphics	**04+00+16=20**	**20**
Total					**193**

- **Even Semester Academic Year 2021-22**

Sr. No	Name Of Faculty	Class	Subject	Load L+T+P	Total Load
01	Shri. N. B. Devi	**SYME**	**Fluid Mechanics and Machinery**	**04+00+04=08**	**12**
		TYME	**Capstan Project Execution and Report Writing**	**00+00+04=04**	
02	Shri. S. G. Sherkar	**SYME**	Manufacturing Processes	**03+00+06=09**	**13**
		FYME	**Mechanical Engineering Workshop**	**00+00+04=04**	
03	Shri. P. V. Zore	**SYME**	Fundamentals of Mechatronics	**02+00+02=04**	**19**
		SYME	**Computer Aided Drafting**	**00+00+08=08**	
		SYME	**Theory of Machines**	**03+00+00=03**	
		TYME	**Capstan Project Execution and Report Writing**	**00+00+04=04**	
04	Shri. S. S. Yewale	**FYME**	**Engineering Drawing**	**03+00+08=11**	**18**
		TYME	Industrial Hydraulics and Pneumatics	**03+00+00=03**	
		TYME	**Capstan Project Execution and Report Writing**	**00+00+04=04**	
05	Shri. D. R. Waghmode	**SYME**	Mechanical Engineering Measurements	**03+00+06=09**	**18**
		FYEE	Basic Mechanical Engineering	**03+00+00=03**	
		TYME	Industrial Hydraulics and Pneumatics	**00+00+06=06**	
06	**Shri. K. B. Dhanawade**	**SYME**	**Fluid Mechanics and Machinery**	**00+00+02=02**	**19**
		TYME	**Automobile Engineering**	**03+00+06=09**	
		SYME	**Computer Aided Drafting**	**00+00+04=04**	
		FYEE	Basic Mechanical Engineering	**00+00+04=04**	
07	**Shri. R. V. Kumbhar**	**TYME**	**Renewable Energy Technology**	**03+00+06=09**	**18**
		TYME	Emerging Trend in Mechanical Engineering	**03+00+00=03**	
		TYME	Entrepreneurship Development	**00+00+02=02**	
		FYME	**Mechanical Engineering Workshop**	**00+00+04=04**	
08	**Miss K. H. Sakhare**	**SYME**	Environmental Studios	**03+00+00=03**	**19**
		TYME	Entrepreneurship Development	**02+00+04=06**	
		SYME	**Theory of Machines**	**00+00+06=06**	
		SYME	Fundamentals of Mechatronics	**00+00+04=04**	

09	Shri. R. S. Mane	**TYME**	Industrial Engineering and Quality Control	**03+00+06=09**	**20**
		TYCO	Management	**03+00+00=03**	
		TYCO	Entrepreneurship Development	**02+00+06=08**	
Total					**146**

- **Internal Continuous Evaluation System and place:** Progressive Assessment of lab work as per CIAAN Norms.
- **Student's assessment by Faculty, System in place:** Assessment of Class Test I & II , Microproject, Theory & Practical End Semester Exam.

➢ **For each Post Graduate Courses give the following:**

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

➢ **Special Purpose**

- Software, all design tools in case : NA
- Academic Calendar and framework : NA

16. Enrolment and placement details of students in the last 3years: (TPO)

17. List of Research Projects/ Consultancy Works:

- Number of Projects carried out, funding agency, Grant received : NA
- Publications (if any) out of research in last three years out of masters projects: NA
- Industry Linkage: NA
- MoUs with Industries (minimum3(10)):

1. **Civil Engineering**
   01. Indian Institution of Valuers (India).
   02. Builder Association of India Satara Center.
   03. S. Talekar and Associates Architects and Engineers, Valuers and Interior Designers Satara.
   04. Shreeram Kulkarni Structural Consultant and Chartered Engineer Satara.
   05. A. S. Desai Infra Structure Pvt. Ltd. Satara.

2. **Electrical Engineering**

Sr. No.	Name of Firm & Address
1	M/s Voltrons Electricals & Engg. Services, Satara
2	M/s Chandrase Electrical & Corporation, Satara
3	M/s M.A. Powerlines, Satara.
4	M/s Ayush Power Solutions & Services, Shop No 09 Ramakant Tower Satara.
5	M/s Viduit Shikshan Sanstha 11/13 Vithadas Road Bulakhidas Building 1 st floor lohar chwal Mumbai.
6	M/s Dhananjay Electricals New MIDC Satara.
7	M/s Shri Samarth Electricals Satara

8	M/s Saidatta Electricals Guruwar peth Satara.
9	M/s m.D. Electricals S. No. 50/16 Vadgaon Narhe Road, Pune.-411041
10	M/s. Phenix Enterprizes Chintamani Complex Sadarbazar, Satara.
11	M/s Siddheshwar Electricals At Post Sangam Mahuli Phata, Satara.

3. Mechanical Engineering

1) Vishwakarma Engineering Pvt. Ltd. Dhamner , Satara

2) Rohit Infrastructure Pvt. Ltd, Satara

3) Prof. More G. N. (MSc Maths) from Y. C. College of Science Satara.

18. LoA and subsequent EoA till the current Academic Year : (Javed Sir)

19. Accounted audited statement for the last three years : (Dhananay Jadhav)

20. Best Practices adopted, if any

Note: Suppression and/or misrepresentation of information shall invite appropriate penal action. The Website shall be dynamically updated with regard to Mandatory Disclosures

- **Library**
- **Note:** Suppression and/or misrepresentation of information shall invite appropriate penal action. The Website shall be dynamically updated with regard to Mandatory Disclosures

- Computerized Library with MKCL's Libreria software.
- Development Dynamic Library Webpage. (In Process)
- Availability of digitized old question papers, syllabus, Sample question Papers etc.
- Availability of NPTEL Videos.
- Develop Web OPAC to know the status of library collection with 24 x 7 Accesses.
- Library QR Code service.
- Inter library Loan Facility

- **Electrical and Telecommunication Engineering**
- Half yearly Newsletter in the month of September and March
- Hands-on Workshop for Student
- Remedial Lectures.
- Suggestion Box

- **Electronics and telecommunication Engineering**

- Half yearly Newsletter in the month of September and March
- Hands-on Workshop for Student
- Remedial Lectures.
- Suggestion Box

➢ **Mechanical Engineering**

- 1) Academic Record Software is used keep record of Theory, Practical Attendance, Progressive assessment record, practical examination record etc of Mechanical Engineering Department.
- 2) E-content of all courses of Mechanical Engineering is make available to students on lms.kbppoly.edu.in moodle website.