



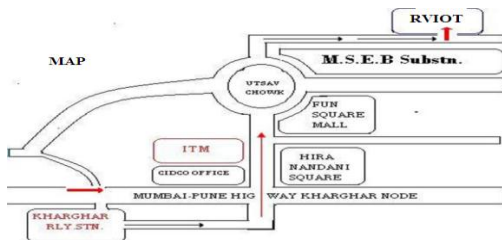
Saraswati Education Society's

Re Vera Institute Of Technology

Approved by the All India Council for Technical Education (AICTE) and the Directorate of Technical Education (DTE); recognized by the Government of Maharashtra and affiliated to the Maharashtra State Board of Technical Education (MSBTE).



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INTAKE

Mechanical Engineering:--120

Computer Engineering: - -60

Civil Engineering: - -120

From Desk of Chairman:-



Hon. Prithviraji Deshmukh (Chairman, SES)

Re Vera Institute of Technology, RVIOT has been established with a vision to become a leading research organization in the world & make youth India globally competent to take up the challenges of ever expanding fields of technology.

The college is dedicated to the goal of educating students with state-of-the-art infrastructure and highly qualified and capable faculty. Since its inception, RVIOT has laid a lot of emphasis on quality education. We have developed and introduced an in-house system of quality assurance, which on a continuous basis evaluates and monitors the quality of education imparted to students. We train and groom our students in such a way that they are not only technically equipped but also have an all-round developed personality to face the challenges of the corporate world with confidence and commitment.

We are also very proud of our intellectual capital- the team of rich and highly qualified faculty who whole heartedly work towards providing the students the best they can, at the same time upgrading themselves of the latest trends and technologies by engaging in various kinds of research activities.

Our intention is to make our students, not only employable but also 'Industry Ready', having the latest practical exposure to fit into their prospective job profiles successfully. We wish our students all the best to excel in and emerge as leaders and innovators in their chosen lines of profession.

Vision & Mission

Our Vision

To become a leading research organization in the world & make youth India globally competent to take up the challenges of ever expanding fields of Technology

Our Mission

"To create dedicated knowledgeable human resource, technically competent to serve the Nation & guide with its leadership qualities to uplift the socio-economic condition of deprived sections of our society still miles away from progress"



Hon'ble Mrs.Vrushali Deshmukh

The rapid development in the field of technology has accelerated the demand for value based engineering education which is qualitative, progressive, multidimensional and globally competitive. We give the students an ideal learning environment through interactive class–room teaching, tutorials, lab practical's, industrial visits and lectures by industry experts for the industrial exposure of students.

Persistent efforts are being made by our placement team to place our students in encouraging and respectable positions in the industry. The aim of the college's Placement Cell is to provide 100% placement to all students. For this, the Cell in conjunction with the Soft Skills department holds mock interviews and group discussions on a regular basis. We firmly believe that support, guidance and assistance given to the students at pre-placement stage prove immensely helpful to them in getting a job.

It is in fact a matter of great pride for us that the leading corporate houses and industrial set-ups have always looked towards RVIOT for quality manpower and have repeatedly visited the campus to recruit our students. With best wishes to our students.

Our intention is to make our students, not only employable but also 'Industry Ready', having the latest practical exposure to fit into their prospective job profiles successfully. We wish our students all the best to excel in and emerge as leaders and innovators in their chosen lines of profession.

Inspiration

FROM THE DESK OF PRINCIPAL:-



Prof.D.R.Suroshe

I very much agree with what Nelson Mandela said, "Education is the most powerful weapon which you can use to change the world".RVIOT Polytechnic is one of the best polytechnic of the region, imparting quality education to its students, with special emphasis on personality development. Participation in competitions, industrial training & visits are regular features of college and are financially supported by college. Life at campus is hectic with college theory and skill tests, semester examinations, practical submissions, co-curricular &extracurricular activities. The students are initially baffled but guidance from teachers gradually makes students confident and

relaxed. The raw and unpolished students entering the college leave as confident and self-assured diploma holders. Of course lot of hard work goes behind this transition as they say a gem cannot be polished without friction, nor a man perfected without trials. Gear up for the hard work and I am sure you will enjoy your three years.

WELCOME NOTE FROM HOD FIRST YEAR



Mrs. Y.D.Wasu

The college welcomes the newly inducted students with hearts vibrating with hopes and aspirations. Let every student of this institute develop intellectual and moral power in a healthy environment and strengthen himself/herself physically, mentally and spiritually. We are optimistic that everyone at the end of their education career, will become a useful citizen with greater social involvement.

I.Academics:-

- College Timings
- First Year scheme
- Academic Calendar
- Attendance
- Teaching Learning Monitoring
- Exam Scheme
- Examination Rules
- Students Feedback.

2.Industry Institute Interface

3.Placement Criteria.

4.Library

Timings

- Library Card
- List Of Books
- Book Borrowing Procedure
- Rules For library
- Facilities provided by library.
- Discipline in the library.

5. Infrastructural Facilities:-

- Email ID-
- Wi-Fi

- Well Equipped Laboratories
- Transport
- Boys Girls Common Room
- Indoor Sports Room
- Gymnasium
- Canteen

6. Curricular & Extracurricular activities

- Fresher's Party
- Class Representatives
- Annual Social Gathering
- Tech Fest
- Sports Activities.

7. Discipline

- Code of conduct
- Dress Code
- Safety guidelines

8. Teacher Mentor scheme

9. Important Cell

10. First Year faculty Profile.

11. Activities & Achievements of I & II SEM Students.

1. ACADEMICS

- College Timings**

The college timing for first year Diploma Students for all week days is from 9.00 am to 4.45pm pm based on Hours allocated.

The curriculum of the institute is specified by the MSBTE studies

- First Year scheme :-**

Semester-I

w.e.f Academic Year 2012-13 'G' Scheme

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI

TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES

COURSE NAME : MECHANICAL/CIVIL//COMPUTER/L ENGINEERING GROUPS

COURSE CODE : CO/CE/ME

SEMESTER : FIRST

DURATION : 16 WEEKS

PATTERN : FULL TIME - SEMESTER SCHEME : G

S. N	SUBJECT TITLE	Abbr e viatio n	SUB COD E	TEACHING SCHEME			PAPE R HRS	EXAMINATION SCHEME										
				T H	T U	P R		TH (1)		PR (4)		OR (8)		TW (9)		SW 1710 0		
								Max	Mi n	Max	Mi n	Ma x	Mi n	Max	Min			
1.	English	ENG	17101	03	--	02	03	100	40	---	---	---	---	25@	10	50		
2.	* Basic Science	EPH	17102	02	--	02	02	50	100	40	25@	50	20	---	---		---	----
	Chemistry	ECH	17103	02	--	02	02	50			25@							
3.	Basic Mathematics	BMS	17104	04	01	--	03	100	40	---	----	--	---	---	---			
4.	Engineering Graphics	EGG	17001	02	--	04	----	---	---	50#	20	--	---	50@	20			
5.	Computer Fundamentals	CMF	17002	01	--	04	--	---	---	50*#	20	--	--	25@	10			
6.	Basic Workshop Practice (Civil Group)	WPC	17003	---	---	04	--	---	---	----	---	----	---	50@	20			
7.	Basic Workshop Practice (Mechanical Group)	WPM	17006	--	--	04	--	---	--	---	---	---	---	50@	20			
8.	Basic Workshop Practice (Computer Group)	WPI	17007	--	--	04	--	--	--	--	---	---	--	50@	20			
			TOT AL	14	01	18		300		150		150				50		

Student Contact Hours Per Week: 33 Hrs.

Theory and practical periods of 60 minutes each.

Total Marks : 650

@ Internal Assessment, # External Assessment, * On Line Examination, No Theory Examination.

Abbreviations: TH-Theory, TU- Tutorial, PR-Practical,OR-Oral, TW- Term work, SW- Sessional Work

Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).

Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms

Code number for TH, PR, OR and TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code as mentioned.

* Basic Science is divided into two parts- Basic Physics and Basic Chemistry. Theory examination of both parts as well as practical examination of both parts will be conducted on separate days. Sum of theory marks of both parts shall be considered for passing theory examination of Basic Science. Similarly it is also applicable to practical examination. It is mandatory to appear theory and practical examination of both parts. Remaining absent in any examination of any part will not be declared successful for that examination head.

Semester-II (MECHANICAL GROUPS)

w.e.f Academic Year 2012-13 'G' Scheme

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI

TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES

COURSE NAME : MECHANICAL ENGINEERING GROUPS

COURSE CODE :-ME

SEMESTER : FIRST

DURATION : 16 WEEKS

PATTERN : FULL TIME - SEMESTER SCHEME : G

S. N	SUBJECT TITLE		Abbreviation	SUB CODE	TEACHING SCHEME			PAPER HRS	EXAMINATION SCHEME										
					T H	T U	P R		TH (1)		PR (4)		OR (8)		TW (9)		SW 17200		
									Max	Min	Max	Min	Max	Min	Max	Min			
1.	Communication Skills		CS	17201	02	--	02	03	100	40	---	---	25#	10	25@	10	50		
2.	* Applied Science	Applied Physics	APH	17202	02	--	02	02	50	100	40	25@	50	20	---	---		---	----
		Applied Chemistry	ACH	17203	02	--	02	02	50			25@							
3.	Engg Mathematics		EMS	17216	03	01	--	03	100	40	---	----	--	---	---	---			
4.	Engineering Mechanics		EGM	17204	03	01	02	03	100	40	----	----	--	---	25@	10			
5.	Engg Drawing		EDG	17205	01	--	04	04	100	40-	---	---	--	--	50@	20			
6.	Development of Life Skills		DLS	17010	01	---	02	--	---	---			25@	10					
7.	Workshop Practice (Mechanical Group)		WPC	17011	--	--	04	--	---	--	50#	20	---	---	50@	20			
				TOTAL	14	02	18		500		100		50		150		50		

Student Contact Hours Per Week: 34 Hrs.

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.

Total Marks : 850

@ - Internal Assessment, # - External Assessment, No Theory Examination

Abbreviations: TH-Theory, TU- Tutorial, PR-Practical, OR-Oral, TW- Term Work, SW- Sessional Work

 Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).

 Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms.

 Code number for TH, PR, OR, TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code.

* **Applied Science is divided into two parts - Applied Science (Physics) and Applied Science (Chemistry). Theory examination of both parts as well as practical examination of both parts will be conducted on separate days. Sum of theory marks of both parts shall be considered for passing theory examination of Applied Science. Similarly it is also applicable to practical examination. It is mandatory to appear theory and practical examination of both parts. Remaining absent in any examination of any part will not be declared successful for that**

SEM-II (CIVIL GROUPS):-

w.e.f Academic Year 2012-13 'G' Scheme

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI

TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES

COURSE NAME : CIVIL ENGINEERING GROUPS

COURSE CODE :-CE

SEMESTER : FIRST

DURATION : 16 WEEKS

PATTERN : FULL TIME - SEMESTER SCHEME : G

S. N	SUBJECT TITLE	Abbr e viatio n	SUB COD E	TEACHING SCHEME			PAPE R HRS	EXAMINATION SCHEME								
				T H	T U	P R		TH (1)		PR (4)		OR (8)		TW (9)		SW 17200
								Max	Mi n	Max	Mi n	Ma x	Mi n	Max	Min	
1.	Communication Skills	CS	17201	02	--	02	03	100	40	---	---	25#	10	25@	10	
2.	* Applied Science	APH	17202	02	--	02	02	50	100	40	25@	50	20	---	---	---
	Applied Physics	ACH	17203	02	--	02	02	50			25@					
	Applied Chemistry															
3.	Engg Mathematics	EMS	17216	03	01	--	03	100	40	---	---	--	---	---	---	
4.	Engineering Mechanics	EGM	17204	03	01	02	03	100	40	---	---	--	---	25@	10	
5.	Construction Materials	CMA	17209	03	--	--	03	100	40	---	---	--	--	---	---	
6.	Development of Life Skills	DLS	17010	01	---	02	--	---	---			25 @	10			
7.	Workshop Practice (Civil Group)	WPC	17012	--	--	04	--	---	--			---	---	50@	20	
			TOT AL	14	02	18		500		50		50		100		50

Student Contact Hours Per Week: 32 Hrs.

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.

Total Marks: 800

@ - Internal Assessment, # - External Assessment, No Theory Examination.

Abbreviations: TH-Theory, TU- Tutorial, PR-Practical, OR-Oral, TW- Term Work, SW- Sessional Work

 Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).

 Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms.

 Code number for TH, PR, OR, TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code.

* **Applied Science is divided into two parts - Applied Science (Physics) and Applied Science (Chemistry). Theory examination of both parts as well as practical examination of both parts will be conducted on separate days. Sum of theory marks of both parts shall be considered for passing theory examination of Applied Science. Similarly it is also applicable to practical examination. It is mandatory to appear theory and practical examination of both parts. Remaining absent in any examination of any part will not be declared successful for that**

SEM –II (COMP GROUP):-

w.e.f Academic Year 2012-13 'G' Scheme

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI

TEACHING AND EXAMINATION SCHEME FOR POST S.S.C. DIPLOMA COURSES

COURSE NAME : COMPUTER ENGINEERING GROUPS

COURSE CODE :-CO

SEMESTER : FIRST

DURATION : 16 WEEKS

PATTERN : FULL TIME - SEMESTER SCHEME : G

S. N	SUBJECT TITLE		Abbreviation	SUB CODE	TEACHING SCHEME			PAPER HRS	EXAMINATION SCHEME										
					TH	TU	PR		TH (1)		PR (4)		OR (8)		TW (9)		SW 17200		
									Max	Min	Max	Min	Max	Min	Max	Min			
1.	Communication Skills		CS	17201	02	--	02	03	100	40	---	---	25#	10	25@	10	50		
2.	* Applied Science	Applied Physics	APH	17202	02	--	02	02	50	100	40	25@	50	20	---	---		---	----
		Applied Chemistry	ACH	17203	02	--	02	02	50			25@							
3.	Engg Mathematics		EMS	17216	03	01	--	03	100	40	---	----	--	---	---	---			
4.	Programming in 'C'		PIC	17212	03		04	03	100	40	25#	20	--	---	25@	10			
5.	Basic Electronics		EEG	17213	03	--	02	03	100	40-	---	---	--	--	25@	10			
6.	Development of Life Skills		DLS	17010	01	---	02	--	---	---			25@	10					
7.	Web Page Designing		WPD	17013	01	--	02	--	---	--	50#	20	---	---	----	-----			
			TOTAL		17	01	16		500		125		50		75		50		

Student Contact Hours Per Week: 34 Hrs.

THEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH.

Total Marks: 800

@ - Internal Assessment, # - External Assessment, No Theory Examination,

Abbreviations: TH-Theory, TU- Tutorial, PR-Practical, OR-Oral, TW- Term Work, SW- Sessional Work

 Conduct two class tests each of 25 marks for each theory subject. Sum of the total test marks of all subjects is to be converted out of 50 marks as sessional work (SW).

 Progressive evaluation is to be done by subject teacher as per the prevailing curriculum implementation and assessment norms.

 Code number for TH, PR, OR, TW are to be given as suffix 1, 4, 8, 9 respectively to the subject code.

*** Applied Science is divided into two parts - Applied Science (Physics) and Applied Science (Chemistry). Theory examination of both parts as well as practical examination of both parts will be conducted on separate days. Sum of theory marks of both parts shall be considered for passing theory examination of Applied Science. Similarly it is also applicable to practical examination. It is mandatory to appear theory and practical examination of both parts. Remaining absent in any examination of any part will not be declared successful for that**



Month	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Instructional Days	Holidays	Activity
Aug	1	2	3	4	5	6	7	5		
	8	9	10	11	12	13	14	5		
	15	16	17	18	19	20	21	3	Independence & Parsi Day	Intensive lectures from-08/08/2016-26/08/2016
	22	23	24	25	26	27	28	5		Class Test -I
	29	30	31					3		Result class Test
Sept.				1	2	3	4	2		First MSBTE Unit Test 01/09/2016-03/09/2016
	5	6	7	8	9	10	11	4	Ganesh Festival	Result Declaration 08/09/2016 First Defaulter List 08/09/2016 Parents Meeting 10/09/2016
	12	13	14	15	16	17	18	4	Bakri ID	Engineer's Day-15 th Sept,2016- Expert Lecture on "Importance of Engg in present Scenario" & Senior Toppers Interaction
										Foundation Day -17 th Sept 2016
	19	20	21	22	23	24	25	5		
	26	27	28	29	30			5		
Oct.						1	2	0		
	3	4	5	6	7	8	9	5		Class Test -2
	10	11	12	13	14	15	16	3	Moharam & Dasher	Second Defaulter List 13/10/2016
	17	18	19	20	21	22	23	5		
	24	25	26	27	28	29	30	5		Second Parents Meeting 29/10/2016
	31							59	Mahavir Jayanti	
Nov.		1	2	3	4	5	6	4		
	7	8	9	10	11	12	13	5		Second MSBTE Unit Test 7/11/2016 - 8/11/2016
	14	15	16	17	18	19	20	4	Gurunanak Jayanti	External Practical Exam 9 rd Nov 2016 -12 th Nov 2016 Final Exam Guidance Week
	21	22	23	24	25	26	27	5		Theory Exam -24 th Nov Onwards
	28	29	30					3		
DEC				1	2	3	4	2		
	5	6	7	8	9	10	11	5		
	12	13	14	15	16	17	18	4	Idd-E-Milad	
	19	20	21	22	23	24	25	5		Start of the session & Commencing classes
Jan	26	27	28	29	30	31		5		
							1			
	2	3	4	5	6	7	8	5		Result 2 nd Week of January 2017
	9	10	11	12	13	14	15	5		
	16	17	18	19	20	21	22	5		
	23	24	25	26	27	28	29	4	Republic Day	
	30	31						2		

Industry visits provide a unique opportunity for students to gain an insight into a working environment of the industry .

- **Attendance**

The attendance requirement is as follows:-

1. For Theory & Practical class attendance should be 100% but only in exceptional cases with genuine justification minimum attendance of 90% will be considered.
 2. For genuine / medical reason, still attendance should be above 60%, otherwise strict action will be taken . At the end, poor attendance cases will be detained.
 3. It is mandatory for all students to appear in all the C.A which will be held periodically for Theory subjects.
 4. warning letter & Counseling for <75 % attendance Every month class attendance of students for all subjects is displayed on the notice board. Warning letters are sent to parents of students having less than 75% attendance in any subject.
- Students are counseled periodically by their respective mentor, mentor Head and HOD First Year for improving attendance. Such students are also counseled by Counselor on regular basis to help them overcome problem, fear if any
5. List of students having less than 75% attendance is called as provisional defaulter list. It is uploaded monthly on college website www.siot.org.net
 6. Attendance of Student must be 75% in all theory and practical subjects for all 3 years .

- **Teaching & Learning Monitoring:-**

Class Monitoring: - The committee ensures the smooth conduction of classes on day to day basis. It monitors punctuality of both teachers and students. The committee visits all the classes and enquires the students about the difficulties they face in campus.

Outcomes : This activity ensures regular conduction of classes from the very first class/ practical in the morning.

Tutorials :-

Engineering knowledge, Problem analysis) Many Students hesitate to ask difficulties during the regular classes. Hence special tutorial sessions are conducted on difficult topics of curriculum which is a part of regular time-table. In these tutorial sessions teachers are available to give individual attention to the students. Thus a provision is made to help average students to learn at their own pace.

Outcomes: Thus students who are too shy or culturally disadvantaged to participate fully in class can thrive as they get time to construct their questions and discuss answers with teacher and don't have to compete with fellow students for attention.

Industrial Visit:-

Industrial Visits are organized for exposing students to Industrial Environment and making them understand how things are made right from their first entry into engineering.

Outcomes: Students become aware of the present technology used in the industries. Over all, the visit lays the first foundation stone in their future career. Industrial visits are compulsory for all students.

Mini-Modeling :- It is included in II Semester scheme to give chance to the students to visualize innovative ideas which gives them exposure to broad spectrum of cutting edge technology in the field of engineering. As students conduct this activity in a group of 3/4, they perform some of the classic steps of the engineering design process. They relate their activity to the real-world.

The basic steps include: 1) understand the need, 2) brainstorm different designs, 3) select a design, 4) plan, 5) create, 6) improve, and repeat the cycle, if necessary .

Outcomes: Mini-model offers the unique opportunity to students to convert their innovative ideas into physical models or add value to any existing gadget.

Cell for Academically Weaker Students:-

Special cell is formed for those students who are academically weak. Remedial classes are conducted to improve the performance of students in all subjects. The academically weaker students are identified by conducting a test for all subjects. Students who have scored less than 40% marks i.e. three or more subjects are considered as academically weaker.

For the identified students and those who had scored less marks any subject, section wise classes are conducted as per notified time table. These students are counseled not only by their subject teachers but also by counselor which help them overcome their subject related difficulties and other problems if any . Students showed significant improvement in the subsequent tests .

- **Examination Rules.**

1. Mobile Phones strictly prohibited. Students must have a valid student ID card to enter the exam hall. Forgetfulness is not an acceptable excuse.
2. Once students have presented themselves for an examination, they must write that exam and submit all written work sheets and question papers to the invigilator before leaving.
3. Students are not permitted to enter the exam hall if they arrive more than 30 minutes after the advertised time. Students are not permitted to leave the exam hall until 30 minutes have elapsed from the start of exam time
4. Students are not permitted to have in their possession any unauthorized items such as cell phones, iPods, MP3 players, and other web-access devices during an examination (excluding approved calculators).
5. Answering mobile phones or sending and receiving text messages is considered as cheating during an examination

6. All students are responsible for making themselves aware of the board examination regulations and the Student Code of Conduct and disciplinary procedures

7. It is the responsibility of the students to check the date, time and venue of the examinations by checking examination schedules posted on the notice board or on the MSBTE Exam.

8. Unauthorized communication between students during an examination either through voice, written, electronic, or any other form of transmission.

9. Cheating in examination includes but is not confined to copying from another's paper, giving or receiving unauthorized assistance, obtaining unauthorized advance knowledge of questions on an examination.

10. Students are reminded that cheating in any examination is considered a serious offence which could lead to expulsion from the board.

11. The invigilator is authorized to verbally warn/move/or confiscate students answer sheet if cheating occurs

12. Students who may require special assistance for examinations should consult with the principal. The Principal will notify the Officer Incharge.

- **Students Feedback:-**

Student's feedback on teaching learning and other related activities are conducted periodically. Mechanism for follow-up action on students feedback is in place. All these efforts are for taking appropriate corrective and preventive measures for upgrading the existing system.

2. Industry Institute Interface:-

1. Internship.
2. Industry Visits.
3. Industry Project.

3. Placement Criteria:-

General eligibility criterion for most companies 60% aggregate (Varies with companies) i.e. average percentage score in all semesters. The four main sections of a placement: 1. Introduction of the company 2. Aptitude test 3. Group Discussion (applicable for a few companies)

3. Students Chapters: - I/C Mrs. Y.D.Wasu

The college has been affiliated to professional bodies like ISTE. The students are encouraged to have The society is interdisciplinary in nature, with most of the memberships of at least two professional societies.

Alumni:-

Our Institute Alumni Foundation has organized alumni meets. An institute helps alumni by providing platform to meet every year, tracer study, and information regarding placement (off-campus if any) or admission to higher

courses through either concerned department or Alumni Cell.

To strengthen the bonding between alumni and institute we form Social Networks. They are extending services for Library and Many guest lectures, career guidance workshops, project assistance & allotment are arranged by alumni for students.

7. Minimum Four ATKT (Including theories & practical's of I Sem & II Sem) are allowed to get eligible for second year. This is as per MSBTE G- Scheme examination rules.

4. Library:-

1.The Library is Open from 9.00 am till 5.00 pm. Reading Timing from 12.00 noon to 5.00am on all working days. During the examination; the timings. 9.00 am till 5.00 pm

2.The Books shall be issued for 8 Days only on the production of library card.

3. Reference books like year Book, project, report and e- journals will not be issued. These can be referred in the Library reading room only.

4 .Books issued once can be reissued, provided there is no demand from others. Students should fill the application form at the library counter to obtain borrower's ticket (library card for issuing of books.

5. In case of loss of I card, the new library card will be issued on Payment of Rs.50/-Students should compulsorily carry library Card in campus.

6. Each student is issued only book on one library card, from library.

7..First two toppers from each class have an advantage of issuing one book in addition to the prescribed number as Per the incentive scheme to acknowledge the achievers.

8..Any member can be asked to return a book immediately without assigning any reason, if the library requires it.Members are required to return all the library material before proceeding on long leave or vacation.

9.A person found mutilating the pages of the book or damaging it shall be debarred from using the library.

10.In case of damage or loss of book, either it will have to be replaced without stamp or the double cost of latest copy will have to be paid.

11.Writing on book or pages by Ink or Pencil is strictly prohibited, If it is found, It shall be considered as damaging the book and action shall be taken.

Library Discipline:-

a) Talking, spitting, eating, smoking, sleeping, putting legs on the table or any other objectionable behavior is strictly Prohibited in library.

b) All personal belongings like bags, apron, folders, drafter, drawing book et c. should be placed on the rack properly before entry in the Library.

c) Disciplinary action will be taken against student talking on mobile phones in the library.

d) Strict action shall be taken against the person, violating the above discipline

List of Textbooks & Reference Books Of All Subjects of I & II Semester (Scheme):-

S.N	Name of the Subject	Author	Publication	Semester	Branch
1	MSBTE TEXTBOOK MSBTE	-----	MSBTE	Ist Sem	All Branches
2	ESSENTIAL ENGLISH GRAMMAR	Raymond Murphy	Cambridge		
3	High School English Grammar & Composition	Wren & Martin	S Chand & Co.		
4.	Engineering Physics	B.L Thereja	S>Chand	I & II Sem	All Branches
5.	Engineering Physics	V.Rajendran	Tata McGraw Hill		
6.	Conceptual Physics		Pearson Education		
7.	Physics- Std XI, Std XII	P.J.Hewitt	HSC board/CBSE Board		
	Engineering Physics	Gaur & Gupta	Dhanpat Rai publication	I & II Sem	All Branches
8	Engineering Chemistry	Jain & Jain	Dhanpat rai & Sons		
9	Engineering Chemistry	S.S.Dara	S.Chand Publications		
10	Industrial Chemistry	B.K.Sharma	Goel Publications		
11	Mathematics of Polytechnic	S.L.Deshpande	Pune Vidyarthi Griha.	I & II Sem	All Branches
12	Trigonometry	S.L.Loney	S. Chand Publication		
13	Matrices	Ayres	Schuam series McGraw Hil		
14	Engg Mathematics	B.S.Grewal	Khanna publication		
15	Higher Engg Mathematics	S.S.Shashtri	Prentice Hall of India	I & II Sem	All Branches
16.	Engineering Drawing	N. D. Bhatt	Charotar Publishing House 2010		
17.	Engineering Drawing	Amar Pathak	Dreamtech Press, 2010		
18.	Engineering Drawing	D.Jolhe	Tata McGraw Hill Edu., 2010		
19.	Engineering Drawing	M.B.Shah,	Pearson, 2010		
20.	Engineering Drawing	R.K.Dhawan	S.Chand Co.2010		
21.	A Text on Engg Drawing	K.L.Narayan	Sitech Publication, reprint, 2011	I Sem	All Branches
22	Engineering Drawing +Graphics & Autocad	K.Venugopal	New Edge publication, Reprint, 2006		
23	Engineering Drawing practices for schools & colleges	IS code SP-46			
24.	Demystifying Computer	Achuyut Godbole	TMH		
25.	Introduction to Computers	Alexis Leon	Vikas Publishing	I Sem	All Branches
26	Comdex Computer Course Kit (Windows 7 with Office 2010)	Vikas Gupta	Dreamtech Press		
27.	Microsoft Office 2010	Steve Schwartz	Pearson	I Sem	All Branches
28	Microsoft Project 2010 (Bible)	Elaine Marmel	Wiley India		
29	Windows 7 Step by Step	Prepparnau Cox.	PHI		

30	Workshop Technology	S. K. Hajara	Media promoters and publisher, New Delhi	I Sem	All Branches
31	Workshop Technology	B. S. Raghuwanshi	Dhanpat rai & Sons, New Delhi		
32	Production Technology	R. K. Jain	Khanna Publishers, New Delhi		
33	Plumbing (Design & Practice	S. G. Deolalilkar	M C Grawhill New Delh		
34	Workshop Practice II Edition	H. S. Bawa	M C Grawhill New Delhi		
35	Kent's Mechanical Engineering	-----	John Wiley and sons New York.		
36	Text book of Communication Skills.	MSBTE, Mumbai.	MSBTE, Mumbai	II Sem	All Branches
37	CD On Communication Skills	MSBTE, Mumbai.	MSBTE, Mumbai		
38	Communication Skills	Joyeeta Bhattacharya	Reliable Series		
39	Sanjay Kumar, Pushpa Lata	Communication Skill	Oxford University Pres		
48	Polytechnic chemistry	Vedprakash Mehta	Jain Brothers		
51	Engineering Mechanics	R.S.Khurmi	S. Chand & Company Ltd.	II Sem	CE/ME
52	Engineering Mechanics	Shames and Rao	Pearson Education.		
53	Engineering Mechanics	R.C.Hibbeler	Pearson Education.		
54	Applied Mechanics	S. Ramamruthum	Dhanpat Rai & Sones, Delhi		
55	Essentials of Engg Mechanics	S Rajasekaran	Vikas Publishing House Pvt. Ltd		
	Engineering Drawing	N. D. Bhatt	Charotar Publishing House 2010	II Sem	ME
	Engineering Drawing	Amar Pathak	Dreamtech Press, 2010		
	Engineering Drawing	D.Jolhe	Tata McGraw Hill Edu., 2010		
	Engineering Drawing	M.B.Shah,	Pearson, 2010		
	Engineering Drawing	R.K.Dhawan	S.Chand Co.2010		
	A Text on Engg Drawing	K.L.Narayan	Sitech Publication, reprint, 2011		
	Engineering Drawing practices for schools & colleges	IS code SP-46			
	Mathematics for polytechnic	S. P. Deshpande	Pune Vidyarthi Griha Prakashan, Pune	II Sem	CE/ME/CO
	Calculus : Single Variabl	Robert T. Smith	Tata McGraw HILL		
	Advanced Engineering mathematics	Dass H. K	S. Chand Publication New Delhi		
	Fundamentals of Mathematical Statistics	S. C. Gupta and Kapoor	S. Chand Pablication New Delhi		
	Higher Engineering Mathematics	B. S .Grewal	Khanna publication New Delhi		
	Applied Mathematics	P. N. Wartikar	Pune Vidyarthi Griha Prakashan, Pune		
	Handbook of Development of life skills	Subject Experts(MSBTE)	MSBTE	II Sem	All Branches
	Civil Engineering Materials	Shan Somayaji	Pearson	II Sem	All Branches
	Building construction illustrated	Francis D.K. Ching	Wiley India		
	Olin's Construction Principles, materials and methods	H Leslie Simmons	Wiley India		
	Elements of civil Engineering	Anurag Kandya	Charotar		
	Building materials Technology	L Reed Brantley	Tata McGraw – Hill		
	Engineering Materials	Sharma	PHI Publication		
	Civil Engineering	NITTTR Chandigarh	NITTTR Chandigarh		

Materials	D. N. Ghose	Tata McGraw – Hill		
Construction Materials	D. N. Ghose	Tata McGraw – Hill		
Building Materials	S. K.Duggal	New International		
Let us 'C'	Kanetkar	BPB 3 rd edition	II Sem	CO
Programming in 'C'	Balgurusamy	Tata Mc-Graw Hil 5 th Edition		
C for beginners	Madhusudan Mothe	SPD 1 st Edition		
Basic Electronics & Linear Circuits	N. N. Bhargava, D.C. Kulashreshtha, S.C. Gupta – TTTI Chandighar	Tata McGraw Hill	II Sem	CO
Electronic Principles	Albert Malvino David J Bates	Tata McGraw Hill		
Basic Electronics	Debashis De	PEARSON		
Basic Electronics	B Basavaraj H N Shivashankar	VIKAS		
Basic Electronics	Vijar Baru Rajendra Kaduskar Sunil T. Gaikwa	Dreamtech		
Basic Electronics	J P BANDYOPADHYAY	VIKAS		
Electronics Devices & services	David A Bell	OXFORD		
HTML and XHTML – The complete reference	Thomas Powell	Tata McGraw Hill, New Delhi.		
Learning Web Design	Robbins	O'Reilly		
SAMS Teach Yourself HTML & CSS in 24 Hours	Dick Oliver	Pearson Education Publication		

5:- Infrastructural Facilities:-

i. Website - WWW.siot.Org.net

ii.The campus has Wi-Fi connectivity

iii.SMS Facility for student's communication.

iv.Well Equipped Lab:-

The College has well equipped laboratories for all disciplines of Engineering. The labs not only conduct regular practical but additional experiments are conducted to give more practical exposure to students to help them clear their conceptual Understanding.

The list of laboratory in charges is as follows:

S.N	Name Of Lab	Staff Incharge
	Applied Chemistry	Mrs.Shamal Naikwadi
	Applied Physics	Mrs.Kiran Shinde
	Language Lab	Mr.Anwar Shaikh
	Workshop	Mr.Vinod Bhangade
	Engg Mechanics Lab	Mr.Prashant Mahadik
	Central Lab	Mrs.Priyanka Rane
	Basic Electronics lab	Mrs.Poornima Pai
	Programming Lab	Mrs.Manisha Bhagat

v.Bus Facility: College bus facility is provided to all the diploma students. The bus facility is also extended to students of senior classes for visit to industries, for survey etc.

vi. Girls' Common Room

vii. Boys Common Room

viii.Indoor sports /Gymkhana Room : I/C Mr.Dattatry Bangar

Various indoor sports facilities viz. Carom, Table Tennis, Badminton court etc..

ix) Canteen Facility:- Healthy & hygienic food facility is available in the canteen. Students can avail this facility in the recess timing.

6.Curricular & Co curricular Activities:-

"F AITH" (Forum for All In Technical Harmony) is a forum exclusively for First year students. Under the aegis of this various extra-curricular and curricular activities are organized for students. Apart from academic activities, sports competitions and other cultural programs are also organized. Activities conducted are- Blood Donation Camp, Extempore, Quiz, debate, PPT presentation competitions etc. All these activities make all the students come under one roof Every Department has a platform for the students to enhance their technical as well as cultural skills. Every Department organizes the forum activities to nurture the hidden talents.

S.N	Department	Forum
1	FE	FAITH
2	ME	MESA
3	CE	CESA
4	CO	CESA

Other Development Programs In view of the large number of companies from coveted sectors visiting this college for campus placements; the need of training students in various interview related skills has been identified. The institute regularly organizes programs on leadership development, body language, group discussion, and personality development and so on by hiring skilled professionals and management trainers. The efforts are aimed at personal professional development of students and thus enhance their employability .

Class Representative:-

Students related problems are taken care of. Apart from this; constructive suggestions are sought from students related to different student. From each class two Class Representatives (CR) are selected, related issues, one on the merit basis and another through election in class.

Duties of CR are from every class become a part of Students council of college.

1. In To maintain discipline in the respective class.
2. To conduct the meetings of student council the academic or infrastructure
3. To convey difficulties (academic & nonacademic)
4. Teacher or Dean, First Year
5. To convey the information to a the students given by the Teachers.
6. TO maintain Cleanliness in the class room.
7. To motivate the students for participation in the various activities.
8. Maintain decorum during departmental, or college programs.
9. Each month CR meet is conducted.
10. Creativity Corner activity is conducted monthly

Annual Social Gathering:-

Annual social event of the students organized by the students, for the students. A social gathering once in a year gives a roof under which all the students of the college can have fun together, can show their talents. Dancing, singing, skit, fete and Many more programs are organized.

Tech Fest:-

An intercollegiate event is organized to give platform to our students to show their talent through their projects. The annual technical festival is one of the most prestigious platforms to placate one's technical cravings. Over the years, this technical event has metamorphosed into an ideal melting pot of central India's synergetic talent resonating with unmatched frequencies of fierce competition.

Sports Activities:-

Indoor and outdoor sports activities are conducted.

7. Discipline:-

• Code Of Conduct

1. Every student must obtain on admission, the Identity Card which must have his/her photograph attested and wear the identity card on person whenever he/she is on the college premises, and present it for inspection on demand.
2. Every student is required to maintain a minimum of 75% attendance separately for lectures, tutorials and/or practical

conducted for each semester / term, failing which the terms will not be granted, and the student cannot appear for the term end and/or annual examination conducted by the College on behalf of the University / Board or by the University or by the Maharashtra Board.

3. If the academic performance of the student is not satisfactory, the student is likely to be detained and will not be allowed to appear for the examinations conducted by the college on behalf of Board or by the Maharashtra Board.

4. Students must not loiter on the College premises while the classes are going on.

Dress Code:-

5. It is mandatory to wear proper dress code (white shirt and blue trouser) on all Thursdays.

6. In case of absence on account of illness, the Head of the Department should be informed by the parents personally. On resuming the college the student should report to the HOD along with the fitness certificate.

7. Smoking and consumption of alcohol on the College premises or entering the college premises, after consuming alcoholic drinks is strictly prohibited.

8. Students shall do nothing either inside or outside the College that will in any way interfere with its orderly conduct and discipline.

9. No student shall collect any money or contribution for picnic, trip, and industrial visit to some place, get-together, study-notes, charity or any other activity without prior sanction of the Principal.

10. No student shall communicate any information or write about matters dealing with the College administration to the Press.

11. Students are expected to take proper care of college property and help the college authorities in keeping the premises clean. Damaging college property e.g. disfiguring walls, doors, fittings or breaking furniture, misuse of fittings, or breaking furniture, misuse of A.C. etc., is breach of discipline, and the guilty will be duly punished.

12. Students should not leave their books, valuables and other belongings in the classroom.

13. The College is not responsible for lost property. However, Student may make a claim for lost property at the office, if it is deposited in the College Office.

14. Students applying for certificates, testimonials, etc. which requires the Principal's signature on any kind of document or application should first contact the College office.

15. Students should not bring any paper directly to the Principal for his/her signature. Insubordination and unbecoming language or misconduct on the part of a student are sufficient reasons for his/her suspension or dismissal.

16. Students receiving Government or College Scholarships or any remission in fees, must note that the grant and continuance

thereof are subject to good behavior, regular attendance and satisfactory progress and good results at the College and Board Examinations.

17. All College activities are organized under the guidance and supervision of the Principal and Staff In-Charge.

18. Students must not associate themselves with any activity not authorized by the College Principal. Serious action will be taken of students found organizing or participating in such unauthorized activities.

19. Students using unfair means at examinations will not be readmitted to the College. Actions will be initiated against such students as per the norms and procedure prescribed by the Maharashtra State Technical Board (MSBTE).

20. It is the responsibility of the students to read the notice boards regularly for important Announcements made by the College office from time to time. They will not be excused or given any concession on grounds of ignorance or not reading notices.

21. Disciplinary action will be taken against students found carrying and/or using cell phones during lectures and practical.

22. Matters not covered by the existing rules will rest at the absolute discretion of the Principal.

- **Safety Guidelines:-**

In preparation for career as a professional engineer, students are strongly encouraged to develop safety consciousness and Practice it while in College. Students are expected to behave sensibly at all times. The following instructions for students are

Intended only as general guidelines;

8.. Teachers & Mentors Scheme:

8.Class Advisors & Mentors List:-

S.N	Name Of the Mentors	Branch /Div	Roll of the students	Class Advisors
1.	Mrs. Y.D.Wasu(Chem)	CE(A)	1-20	
2.	Mrs.Kiran Shinde(Physics)	CE(A)	21-40	Class Advisors
3.	Mr.Anwar Shaikh(English)	CE(A)	101-120	
4.	Mrs.Sarika Patil(Maths)	ME(A)	1-20	Class Advisors
5.	Ms.Shamal Naikwadi(Chem)	ME(A)	21-40	
6.	Physics New Faculty	ME(A)	41-60	
7.	Mr.Vasudeo Nazirkar(Maths)	CE(B)	101-120	Class Advisors
8.	Mr.Jaslok Pande (Engg Graphics)	CE(B)	121-140	
9.	Mrs.Manisha Bhagat (CMF)	CE(B)	141-160	
10.	Mr.Samadhan Landge (English)	ME(B)	101-120	Class Advisor
11.	Mr.Nilesh Borkar (engg Graphics)	ME(B)	121-140	
12.	Mrs.Shatapdi Bhalerao(CMF)	ME(B)	141-160	
13.	Mrs.Supriya Chavan(Chem)	CO	1-20	Class Advisor
14.	Mr.Avinash kinkar (Engg Graphics)	CO	21-40	
15.	Mrs.Priyanka Rane (CMF)	CO	41-60	

1. Student must never work alone in a laboratory or workshop. All laboratory and workshop activities must be supervised by a member of academic or technical staff. Students should never operate any laboratory or working equipment without permission of supervisor . (Other than normal use of computing or drawing office facilities)

2. For Practical work, loose clothing, jewellery or long hair could be a danger to yourself or others and you must comply with Health and Safety requirements. Similarly , when outside the campus as part of your course (e.g. industrial visits or projects, special workshop courses, etc) you shall be required to comply with the safety directives of the organization you visit.

3.If, as part of your course activities, you are issued with safety equipment (e.g. workshop apron, goggles etc) you must use them in the correct Fashion.

4.Failure to do so will result in you being excluded immediately from the activity and being treated as absent for any assessment purposes. If you are engaged in any activity for which you feel that safety equipment should have been issued and was not, please do not hesitate to consult the supervisor or technician.

5.Please report immediately to the nearest member of staff for any spillages (e.g. mercury, fuel, and chemicals), accidents or broken or defective equipment, whether you were involved or not. Do not attempt to clean up or rectify the matter without supervision.

6. First-aid boxes are located at Heads of Departments, workshops and in Chemistry Laboratory.

9. Important Cell:-

- 1. Dean Academics:-**Mr.Nilesh Patil.
- 2. Exam Cell:-**I/C Mrs.Manisha Bhagat
- 3. Students Counselor Cell:-**I/C Mrs. Supriya Chavan

10.Faculty Profile of first year engineering



Prof.D.R.Suroshe
Principal



Mrs. Y.D.Wasu
Head of Sciences & Humanities Department
M.Sc.(Chemistry).B.Ed.
Experience: 15 year



Mrs.Kiran Shinde
Lecturer (Physics)
M.Sc. (Physics) B.Ed.
Experience: 10 Years



Mrs.Sarika.A.Patil
Lecturer (Maths)
M.Sc.(Maths) B.Ed
Experience : 8 year



Mr. Samadhan Landge
Lecturer (English)
M.A.(English) B.Ed.
Experience: 09 Years

4. **Sports Cell:** - I/C Mr.Dattatray Bangar

5. **Discipline Committee Cell:-**I/C Mr. Vasudeo Nazirkar

6. **Anti ragging Committee Cell:-**I/C Mr.Anuj Batham.

7. **Women's Grievance Cell:-**I/C Mrs. Sarika Patil

7. **Cultural Cell:** - I/C Mr. Nilesh Borkar.

8. **Technical Head Cell:** - I/C Mrs.Poornima Pai



Mrs. Supriya Chavan
Lecturer (Chemistry)
M. Sc. (Chemistry) B. Ed
Experience 6yrs.



Ms. Shamal Naikwadi
Lecturer (Chemistry)
M.Sc B.Ed PGDMLT
Experience : 05 yrs



Mr.Anwar Shaikh
Lecturer(English)
MA.B.Ed.Mphil
Experience:04



Mr. Vasudeo Nazirkar
Lecturer (Maths)
M.Sc.(Maths)
Experience:03



Mr. Anuj Batham
HOD (Mechanical) & Workshop Superintendent
Experience: - 10 yrs.



Mrs. Bijeta Dash
HOD (Civil)
Experience:-07 yrs.



Mr. Avinash Kinkar
Lecturer (Engg Graphics)
B.E (Mech)
Experience:-5Yrs.



Mr. Nilesh Borkar
Lecturer (Engg Graphics)
B.E (Mech)
Experience:-2Yrs.



Mr. Jaslok Pande
Lecturer (Engg Graphics)
B.E (Mech)
Experience:-7yrs



Mr. Pravin Shinde
HOD (Computer)

Experience:-06 Yrs.



Mrs. Priyanka Rane
Lecturer (Comp Fundamentals)
M.E Pursuing (Computer)
Experience:- 4yrs.



Mrs. Manisha Bhagat
Lecturer (Comp Fundamentals)
M.E (Computer)
Experience:-07 yrs.



Ms. Shatapdi Bhalerao
Lecturer (Comp Fundamentals)
M.E Pursuing (Computer)
Experience: - 01 Yrs.

Activities & Achievements

www.siot.org.in

www.siot.org.in

- Robotics Competition
- Training & Placement
- Industry experts Guest Lectures
- Industry Workshop & Visits
- Poster Competition
- Carrier Counseling Session
- "NAKSHATRA" [Cultural Event]
- MSBIE Sports
- Fresher's & Farewell Party



Sports Activities:

www.siot.org.in



