

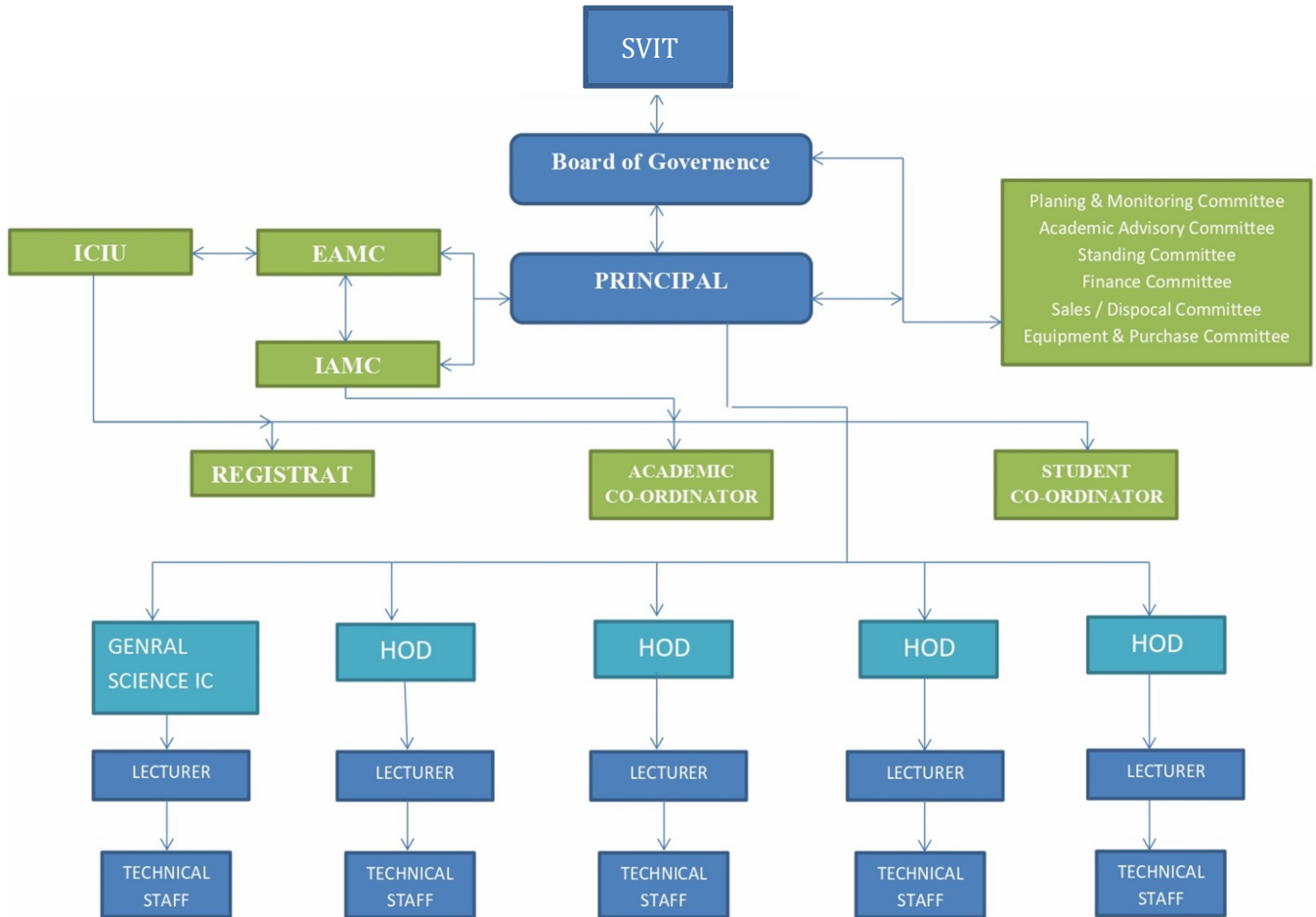
MANDATORY DISCLOSURE

1. Name of the Institution SVP's Swami Vivekanand Institute of Technology,  
(Polytechnic), Solapur  
  
Gat No. 16/2, Khed, Solapur-Barshi Road,  
Tal. - North Solapur, Dist. -Solapur  
Maharashtra State Pin- 413 255  
  
Phone: 8468971164  
  
E-mail: [svitp1214@gmail.com](mailto:svitp1214@gmail.com)
2. Name and Address of Principal Mrs. K. S. Bhosale  
  
36 A, Siddhajin Society, Pune  
  
Road, Solapur -413001 Phone:-  
  
9604378729  
  
E-mail:- [svitp1214@gmail.com](mailto:svitp1214@gmail.com)
3. Name of Affiliating Body Maharashtra State Board of Technical  
Education,  
  
49, Kherwadi, Bandra (E), Mumbai, 400 051.

SVP's Swami Vivekanand Institute Of Technology (Polytechnic), Solapur

<b>GOVERNING BODY</b>			
<b>Sr. No.</b>	<b>MEMBERS</b>	<b>DESIGNATION</b>	<b>DESIGNATION</b>
1	Dr. U. B. Chanshetti	Educationalist Nominated by Trust	Chairman
2	Prof. Dr. B. P. Ronge	President of Trust	Member
3	Dr. P.R. Sanap	Industrialist Nominated by Trust	Member
4	Mr. S. S. Gandhi	Industrialist Nominated by Trust	Member
5	Mr. A. L. Bhosale	Partner of Jai Engineer G-45, MIDC, Gokul Shirgaon, Kolhapur & Secretary of the Trust	Member
6	Mr. S.S. Mente	Industrialist Nominated by Trust	Member
7	Dr. C. B. Nadgouda	Educationalist Nominated by Trust	Member
8	Nominee of MSBTE, Mumbai	MSBTE (Nomination awaited)	Ex-officio, Member
9	Nominee of the State Government- RO, DTE, Pune.	State Government (Nomination awaited)	Ex-officio, Member
10	Mr. B. D. Ronge	Dy. Engineer, PWD, Gov. of Maharashtra & Treasurer of the Trust	Member
11	Mr. P. P. Mitragotri	Educationist Nominated by Trust	Member
12	Mr. H. M. Bagal	Dy. Engineer, PWD, Gov. of Maharashtra & Vice President of the Trust	Member
13	Dr. P. V. Salunke	Educationist Nominated by Trust	Member
14	Mr. D. S. Salvitthal	Representative of the Trust	Member
15	Mr. D. D. Ronge	Retired Dy. Engineer, PWD, Gov. of Maharashtra & Trustee SVP	Member
16	Dr. N. D. Misal	Educationist Nominated by Trust	Member
17	Dr. P. M. Pawar	Educationist Nominated by Trust	Member
18	Mrs. S. N. Shinde	Head, General Science Department	Member
19	Mr. G. S. Tatikonda	Academic Coordinator, Head Civil Engineering	Member
20	Mrs. K. S. Bhosale	Principal, SVIT (Polytechnic), Solapur	Member Secretary

4. a) Organizational Chart



#### 4. b) Academic Advisory Council

Sr. No.	MEMBERS	DESIGNATION
1.	Dr. B. P. Ronge	Chairman
2.	Mr. A. L. Bhosale	Member
3.	Mr. B. D. Ronge	Member
4.	Mr. H. M. Bagal	Member
5.	Dr. P. M. Pawar	Member
6.	Dr. N. D. Misal	Member
7.	Mrs. K. S. Bhosale	Member Secretary

The academic advisory Council use to meet every Semester to discuss process of running the institute smoothly.

#### 4. c) Involvement of Faculty and Students in Academic Affairs

Each Head of Department use to conduct their departmental meeting weekly and the ideas and suggestions given by the faculty members are put in the principal meetings and Academic advisory Council then those suggestions and ideas if found suitable are incorporated in the routine working of the institute.

Similarly, there is student council having members from each class, ladies & sports representative and they meet monthly to discuss about the routine workings of the college and if they have any complaint or suggestion they forward it to the respective HoD. and Co-coordinators.

#### 4. d) Mechanism and Procedure for Good Governance

All the heads of departments are given with their specific roles and responsibilities to run the college as per the norms. Also suggestion boxes are provided at various places in the institute and the students and faculty members can put any suggestion or complaints to the Academic advisory Council through the suggestion boxes.

#### 4. e) Mechanism and Procedure for Good Governance

Student's feedback is regularly taken once in a semester in prescribed format to check the faculty performance and institutional governance.

#### 4. f) Grievance Redressal Mechanism

The institute have three separate Grievance Redressal cells namely for faculty, staff and students.

Any of the faculty, staff or student can either directly approach to the members of individual cell or can put his/her application in writing to the committees either directly or through the suggestion boxes.

#### 5. a) AICTE Approved Programme

<b>Sr. No.</b>	<b>Courses</b>	<b>Year of Approval</b>	<b>Sanctioned Intake</b>	<b>Status of approval</b>
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1.	Civil Engineering	2009	60	F.No. Western/1-43665312402/2024/EOA Date: 08 June 2024
2.	Computer Engineering	2009	60	
3.	Electronics & Telecommunication Engineering.	2009	30	
4.	Mechanical Engineering	2009	60	
	<b>Total :-</b>		<b>210</b>	

### 5. b) Details of Programme

Sr. No.	Name of programme	Duration of Courses	No. of Seats	Fees Approved by the Fees Fixation Committee For the A. Y. 2024-25
1.	Civil Engineering	3 years	60	Rs. 40,992/-
2.	Computer Engineering	3 years	60	Rs. 40,992/-
3.	Electronics & Telecommunication Engineering	3 years	30	Rs. 40,992/-
4.	Mechanical Engineering	3 years	60	Rs. 40,992/-
	<b>Total :-</b>		<b>210</b>	

# SVP's Swami Vivekanand Institute Of Technology (Polytechnic), Solapur

## 6. Faculty Position for Programmes

Sr. No.	Name of Courses	Sanctioned Intake	Permanent Faculty			Ad-hoc	Total Staff
			Principal	HOD	Lecturer		
1	Mechanical Engineering	60		01	08	---	09
2	Civil Engineering	60	01	01	08	---	10
3	Computer Engineering	60		01	08	---	09
4	Electronics & Telecommunication Engineering.	30		01	03	---	04
<b>Total :-</b>		<b>210</b>	<b>01</b>	<b>04</b>	<b>27</b>	<b>0</b>	<b>32</b>

### 6. a) List of Faculty Members

DEPARTMENT OF CIVIL ENGINEERING						
Sr. No.	Name of the Staff	Designation	Date of Joining	Qualification		
				BE/ B.Sc/B.A.	M.E./M.Sc./ M.Tech	Ph.D
1	Mrs. K. S. Bhosale	Principal	08/01/2024	57.06 / Aug. 1997	64.72 / June 2012	Pursing
2	Mr. G.S. Tatikonda	HOD	01/07/2023	70.73/JUNE-2017	M.E.(APP)	-
3	Mr. F.U. Shaikh	Lecturer	23/09/2022	60/JUNE-016	M.E.(APP)	-
4	Ms. S.A. Gaikwad	Lecturer	02/03/2023	89.30/June – 2022	--	-
5	Mr. A. V. Yampure	Lecturer	08/07/2024	64.50/ June- 2017		
6	Mr. D. C. Ingale	Lecturer	08/07/2024	72/June-2019	M.E.(APP)	
7	Ms. K. K. Kamble	Lecturer	08/08/2024	71.28/June-2023		
8	Mr. V.K. Sabban	Lecturer	11/04/2023	75.00/June-2023		

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING						
Sr. No.	Name of the Staff	Designation	Date of Joining	Qualification		
				BE/ B. Sc/B.A.	M.E./M.Sc./ M. Tech	Ph. D
1	Mr. Y. U. Panaswad	HOD	01/12/2023	68.23/June-2015	M. Tech (APP)	-
2	Mrs. K. A. Patil	Lecturer	25/08/2023	61.45/-2015	M. Tech (APP)	-
3	Ms. P. R. Vibhute	Lecturer	05/12/2024	CGPA 8/JUNE-2024	-	-
4	Ms. R. R. Khandake	Lecturer	01/12/2024	CGPA 9/JUNE-2024	-	

## SVP's Swami Vivekanand Institute Of Technology (Polytechnic), Solapur

DEPARTMENT OF FIRST YEAR ENGINEERING						
Sr. No.	Name of the Staff	Designation	Date of Joining	Qualification		
				BE/ B. Sc/B.A.	M.E./M.Sc./ M. Tech	Ph. D
1	Ms. S. N. Shinde	HOD	01/03/2023	B.A. II/APR-2006	M.A.II/MAY-2008	-
2	Ms. P. H. Khole	Lecturer	28/06/2023	M.SC 82/APRIL 20	-	-
3	Ms. S. K. Gaikwad	Lecturer	30/08/2022	71.14/Apr.2019	72.00/June- 2021	-
8	Ms. Y. P. Bhagat	Lecturer	8/7/2024			-
7	Mr. N.P. Kulkarni	Lecturer	18/10/2022	63.40/June-2017	56.21/June-2019	-
6	MR. P. V. SONAWANE	Lecturer	1/10/2024		-	-
7	Mr. P. S. Mali	Lecturer	14/09/2023	78.64/MAR-2021	-	-

DEPARTMENT OF MECHANICAL ENGINEERING						
Sr. No.	Name of the Staff	Designation	Date of Joining	Qualification		
				BE/ B.Sc/B.A.	M.E./M.Sc./ M.Tech	Ph.D
1	Mr. B.S. Swami	H.O.D	08/07/2024	67.73/JUNE-2013	M. Tech. (APP)	
2	Mr. S.S. Patil	Lecturer	08/01/2024	74.88/JUNE-2013	92.72/JUNE-2015	Ph.D (APP)
3	Mr. T. R. Kharatmal	Lecturer	06/10/2022	76.28/JUNE-2019	M. Tech. (APP)	-
4	Ms. S.S. Bhosale	Lecturer	14/09/2022	76/JUNE-2019	M.E.(APP)	-
5	Mr. V.M. Rathod	Lecturer	22/07/2024	70.87/JUNE-2019	-	-
6	Mr. S.R. Asabe	Lecturer	08/07/2024	61.53/JUNE-2015	-	-
7	MR. V. M. RATHOD	Lecturer	22/07/2024			

DEPARTMENT OF COMPUTER ENGINEERING						
Sr. No.	Name of the Staff	Designation	Date of Joining	Qualification		
				BE/ B.Sc/B.A.	M.E./M.Sc./ M.Tech	Ph.D
1	Ms. P.U.Waghmare	HOD	12/6/2023	CGPA 8.74	-	-
2	Mrs. R.A.Sarade	Lecturer	12/6/2023	71.06/2017	-	-
3	Ms. B. R. Potrajwar	Lecturer	19/10/2023	60.12/2015	80/2017	-
4	Mr. S.G.Gaikwad	Lecturer	29/07/2024	72.00	64.00	-
5	Ms. P.S.Sarvade	Lecturer	5/6/2024	75.00	-	-
6	Ms. A.M.Birajdar	Lecturer	03/09/2024	85.00	-	-



SVP's Swami Vivekanand Institute Of Technology (Polytechnic), Solapur

b) Administration & Library Staff

Sr. No.	Full Name	Designation	Date of Joining	Master Degree	Bachelor Degree
<b>ADMINISTRATIVE OFFICE</b>					
1	Mr. SATHE PRAVIN JAYWANT	O.S.	9/12/2024	M.A., M.ed.	B.A., B.ed.
2	Mr. KANDALE ABHINANDAN MAHAVIR	Accountant	10/4/2024	--	B. Com
3	Mr. KALE SANTOSH HARISHCHANDRA	Clerk	9/5/2024	M.A.*	B. A.
4	Ms. POGUL VIJAYALAXMI NAYAN	Clerk	7/11/2024	--	B. Com
<b>LIBRARY</b>					
1	Mrs. BAMANI AARATI VINAY	Librarian	31/05/2023	M. Lib	B.Com.
2	Mr. KUMBHAR MALLIKARJUN NAMDEO	Asst.	01/06/2023	M. Lib	

c) Technical Staff

Sr. No.	Full Name	Designation	Date of Joining	UG / PG	Other
1	Mr. V.K. Sabban	Lab Asst.	11/04/2023	--	BE
2	Mr. S. S. Kalyani	Lab Asst.	01/02/2024	--	Diploma

## 8. List of Equipments

NAME OF DEPARTMENT: MECHANICAL ENGINEERING			
NAME OF LABORATORY: THERMAL ENGG. LAB			
Sr. No.	Particulars	No. Available	Cost
1)	SOLAR WATER HEATER TEST RIG	1	38,400/-
2)	THERMAL COND OF METEL ROD APP.	1	19,200/-
3)	MODEL OF COCHRAN BOILER	1	10,000/-
4)	STAFAN BOLTZMAN APP	1	18,400/-
5)	PLATE TYPE HEAT EXCHANGER	1	44,000/-
6)	MODEL OF BABCOCK NAD WILCOX BOILER	1	10,000/-
7)	SHELL AND TUB HEAT EXCHANGER	1	32,000/-
<b>Total Cost</b>			<b>1,72,000/-</b>

NAME OF DEPARTMENT: MECHANICAL ENGINEERING			
NAME OF LABORATORY: FLUID MACHANICS AND MACHINARY(FEM)			
Sr. No.	Particulars	No. Available	Cost In Rs.
1)	BERNOULLIS THEOREM APP	1	50,000/-
2)	VENTURIMETER AND ORIFICEMETER APP	1	53,000/-
3)	ORIFICE AND MOUTH PIECE APP	1	23,600/-
4)	RECIPROCATING PUMP PEST RIG	1	38,400/-
5)	CENTRIFUGAL PUMP TEST RIG	1	36,000/-
6)	MODEL OF BOURDONS PRE. GAUGE APP. WITHPUMP	1	3,840/-
7)	IMPACT OF JET APPARATUS	1	48,000/-
8)	PELTON WHEEL TURBINE TEST RIG WITH 5HP CAPCENTRIFUGAL PUMP	1	68,000/-
9)	DETERMINATION OF MAJOR AND MINOR LOSSES IN PIPESAPPRATTUS	1	70,000/-
10)	REYNOLDS APPARTUS	1	26,291/-
11)	ADJUSTBALE CHANNEL	1	39,206/-
12)	PIEZOMETER TUBE	2	6,088/-
13)	'U' TUBE MANOMETER	4	14,392/-
14)	'U' TUBE DIFFERTIAL MANOMETER	1	3,506/-
15)	ASSEMBLING AND DISASSEMBLING OF CENTRIFUGAL AND RECIPROCATING PUMP	1 1	30,000/-
<b>Total Cost</b>			<b>5,10,323/-</b>

SVP's Swami Vivekanand Institute Of Technology (Polytechnic), Solapur

<b>NAME OF DEPARTMENT: MECHANICAL ENGINEERING</b>			
<b>NAME OF LABORATORY: POWER ENGG.</b>			
<b>Sr. No.</b>	<b>Particulars</b>	<b>No. Available</b>	<b>Cost In Rs.</b>
1)	Single cylinder air Electric Dynamo meterol Cooled engine withH heat balance sheet spech. 3HP, 3000 RPM	1	2,80,000/-
2)	Multicylinder diesel/ Petrol engine for Morse test arrangement spech- 10 HP, water Cooled, 1500 rpm.	1	3,22,000/-
3)	Four stock single cylinder petro engine	1	5,600/-
4)	Two-Stage Reciprocating air compressor test rig	1	90,000/-
5)	Vapour compression refrigeration system test rig	1	96,500/-
6)	LCD data projector model /PG-f212 X-L	1	50,500/-
7)	Sound box intex	1	550/-
<b>Total Cost</b>			<b>8,45,150/-</b>
<b>NAME OF DEPARTMENT: MECHANICAL ENGINEERING</b>			
<b>NAME OF LABORATORY: MATROLOGY AND QUALITY CONTROL</b>			
<b>Sr. No.</b>	<b>Particulars</b>	<b>No. Available</b>	<b>Cost In Rs.</b>
1)	0-150 mm Digital vernier (0.01mm L.C)	2	3,700/-
2)	25mm outside micro(0.01mm L.C)	2	1,862/-
3)	25-50 mm outside Micro (0.01mm L.C)	2	2,060/-
4)	0.30 Height Gauge (0.01mm L.C)	1	9,775/-
5)	Plunger Dial (0.01 L.C)	1	4,312/-
6)	Radius Gauge (1.0 +0 7.017.5150, 15.5 to 25-0mm)	1	1,500/-
7)	Electronic Gear Tooth vernier caliper(1-30mm)	2	24,132/-
8)	Sorelo Pitch Gauge 0.25to 7.00mm	1	300/-
9)	Filler Gauge 1 set 100mm 26 blades	1	6,000/-
10)	Screw Thread Micro.(with tips)	1	8,268/-
11)	Plunger Dial Gauge 0.01 mm, Least count	1	11,76/-
12)	Sin Bar 136x25x30 mm duly calibrated	1	2,897/-
13)	Sin Bay 245x40x60mm duly calibrated	1	3,505/-
14)	Sin Bax 250 x 55x80mm duly Caufrated	1	5,660/-
15)	Slip Gauge Box of 112 pcs duly calibrated	1	63,445/-
16)	Surface Plate C 636X 630x 630 mm	1	15,312/-
17)	V-Block 100x95x70 mm duly Calibrated	1	6,065/-
<b>Total Cost</b>			<b>1,59,969/-</b>

SVP's Swami Vivekanand Institute Of Technology (Polytechnic), Solapur

<b>NAME OF DEPARTMENT: MECHANICAL ENGINEERING</b>			
<b>NAME OF LABORATORY: RAC</b>			
<b>Sr. No.</b>	<b>Particulars</b>	<b>No. Available</b>	<b>Cost In Rs.</b>
1)	WATER COOLER TEST RIG	1	78,000/-
2)	RAC CONTROLS	1	24,000/-
3)	WORKING HERMETICALLY SEALED COMPRESSOR	1	11,000/-
4)	AIR CONDITIONING TEST RIG	1	85,000/-
5)	WORKING MODEL OF DOMESTIC REFRIGATOR	1	10,000/-
6)	WINDOW AIR CONDITIONAL	1	5,000/-
7)	ICE PLANT TEST RIG	1	8,000/-
<b>Total Cost</b>			<b>2,13,000/-</b>

<b>NAME OF DEPARTMENT: MECHANICAL ENGINEERING</b>			
<b>NAME OF LABORATORY: IFP</b>			
<b>Sr. No.</b>	<b>Particulars</b>	<b>No. Available</b>	<b>Cost In Rs.</b>
1)	HYDRALIC TRAINER KIT	1	1,02,000/-
2)	PNEUMATIC TRAINER KIT	1	65,000/-
<b>Total Cost</b>			<b>1,67,000/-</b>

<b>NAME OF DEPARTMENT: MECHANICAL ENGINEERING</b>			
<b>NAME OF LABORATORY: AUTOMATION ENGG LAB</b>			
<b>Sr. No.</b>	<b>Particulars</b>	<b>No. Available</b>	<b>Cost In Rs.</b>
1)	INDICA CAR MODEL	01	22,000/-
2)	LML VESVA SCOOTER ENGINE	01	0
3)	SYNCHROMESH GEAR BOX	01	4,000/-
4)	DIFFERENTIAL GEAR BOX	01	4,000/-
<b>Total Cost</b>			<b>30,000/-</b>

<b>NAME OF DEPARTMENT: MECHANICAL ENGINEERING</b>			
<b>NAME OF LABORATORY: WORKSHOP</b>			
<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	Combination Piler 8"	6	
2	Steel rule 12"	10	
3	Metal Jack Plane	20	
4	Right Angle 12"	6	
5	Bench Vice ( Carpentry)	10	
6	C-clamp	2	
7	Jai make wood latheM/C 6" with motor	2	
8	Jai make Randha M/C 9" with motor	1	
9	Metal Jack Plane 6"	6	
10	Electric Saw Machine	1	
11	Vernier Caliper	3	
12	Try Square-4"	10	
13	Nose Plier	6	
14	Steel Rule 6"	5	
15	Vernier Caliper 6"	5	
16	Height Gauges 18"	1	
17	Surface Palte	1	
18	Micrometer 0-25	4	
19	Micrometer 25-50	4	
20	V-block	1	
21	Dial with Magnetic Stand	1	
22	Bench vice 4"	20	
23	Bench vice 6"	2	
24	Electric hand drill M/C	1	
25	Angle plate	1	
26	Combination Set	2	
27	Bevel Protractor	2	
28	Torque wrench	1	
29	Pillar type Drill M/C	1	
30	4" Bench vice	24	
31	Prase Gan	1	
32	Chipping Hammer	5	
33	Electric Welding M/C	1	
34	Abrasive cut of M/C	1	
35	Spot Welding M/C	1	
36	Gas Welding Tank	1	
37	Power Hack saw M/C	1	
38	Depth Gauge	1	
39	Bench Grinder	1	
40	TIG Welding Setup	1	

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41	MIG Welding Setup	1	
42	Anvil	2	
43	Swage Block	1	
44	Flat Tongs	10	
45	Hollw Tongs	2	
46	Pick-up Tongs	2	
47	Leg Vice	2	
48	Foundry Setup	1	
49	Plumbing Vice	1	
50	Hydraulic pipe Bending M/C	1	
51	Pipe die set 1/2" to 1"	1	
52	Steel Rule 24"	2	
53	Sheet Metal Gauge	2	
54	Divider 8"	2	
55	Divider 10"	2	
56	Divider 12"	2	
57	Hand Sharing M/C	1	
58	Feeler Gauge	1	
59	Lathe Machine	20	1460000
60	Universal Milling M/C	1	65000
61	Surface Grinding M/C	1	55000
62	Radial Drilling M/C	1	60000
63	Shaping M/C	1	60000
64	X-Y Table	1	12000
65	Universal Dividing Head	1	14500
66	CNC Lathe Machine	1	900000
67	VMC Machine	1	929000
		<b>Total :</b>	<b>4,035,474</b>

SVP's Swami Vivekanand Institute of Technology (Polytechnic), Solapur

<b>Name of Department: CIVIL ENGINEERING</b>			
<b>Name of Laboratory: ENVIROMENTAL ENGG.</b>			
<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	Sedimentation Tank	1	300/-
2	Slow Sand filter	1	300/-
3	Rapid Sand filter	1	300/-
4	Different Types of Valve	1	300/-
5	Water Supply & Water Disposal-I	1	300/-
6	Water Supply & Water Disposal-II	1	300/-
7	Types of Reservoirs	1	300/-
8	water Supply for Residence	1	300/-
9	Building Drainage System their Connection	1	300/-
10	Details of Sanitary	1	300/-
11	Water Purification Plant-I	1	300/-
12	Types of Sewers	1	300/-
13	Sewage Treatment Plan-I	1	300/-
14	JACKSON TURBIDITY	1	12,500/-
15	Digital Turbidity Meter	1	14,500/-
16	B.O.D. Incubator	1	73,800/-
17	Water Distillation unit	1	6,500/-
18	Sound level meter	1	17,500/-
19	C.O.D Test Apparatus-5	1	58,500/-
20	Chloroscope	1	1,300/-
21	Digital Colorimeter	1	8,600/-
22	Spectrophotometer	1	44,,000/-
23	Jar Test apparatus	1	32,000/-
24	D. O. meter	1	11,000/-
<b>Total Cost</b>			<b>2,61,754/-</b>

SVP's Swami Vivekanand Institute of Technology (Polytechnic), Solapur

**Name of Department : CIVIL ENGINEERING**

**Name of Laboratory : Hydraulic Lab**

<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	Bernoullis Theorem Apparatus	1	21,200/-
2	Venturimeter & orificemeter Appartus	1	20,200/-
3	orifice & Mouth Piece Appartus	1	23,600/-
4	Reciprocating Pump Test Rig Cvaritabl Speed)	1	38,400/-
5	Centrifugal fump Test Rig (Variable Speed)	1	36,000/-
6	Pelton wheel Turbine Test Rig	1	68,000/-
7	Water current meter (Asper Po, item No.-15	1	39,500/-
8	Reynold's Appartus	1	28,500/-
9	Apparatus determination of Minor losses inpipes	1	38,500/-
10	Adjustable channel (flow visuali)	1	42,500/-
11	Hydro-Electric Plant LAYOUT	1	300/-
12	Centrifugal Pump	1	300/-
13	Hydraulic Ram	1	300/-
14	types of Impellers for Centrifugal Pump	1	300/-
15	Reciprocating Pump	1	300/-
16	Calibration of orifice PlateSteady/Unsteady flowy	1	300/-
17	Calibration of Notches.	1	300/-
18	calibration of Venturimeter	1	300/-
19	Friction in Pipes	1	300/-
20	Moody Diagram	1	300/-
21	Pipe sat up Series & Parallel Joule'sExperiment	1	300/-
22	Hydraulic Dynamometer.	1	300/-
23	Piezometer	2	6,600/-
24	U Tube monometer	4	15,600/-
25	U Tube differential Manometer	1	3,800/-
26	Hook Or Pointer guage	1	3,550/-
27	Joules experiment	1	300/-
<b>Total Cost</b>			<b>3,97,813-</b>

**Name of Department : CIVIL ENGINEERING**



SVP's Swami Vivekanand Institute of Technology (Polytechnic), Solapur

**Name of Laboratory : Survey Lab(SUR)**

<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	Digital Planimeter model Ekp-90]	1	41,500/-
2	1.00 Sec. Micro optic theodolite [electronic]	1	1,60,000/-
3	Ranging Rod(2 M)	10	3,700/-
	Ranging Rod(3 M)	10	4,200/-
4	Metric tape(20 M)	2	500/-
	Metric tape(30 M)	2	620/-
5	Steel tape(20 meter )	3	1,100/-
	Steel tape(30 meter )	1	1250
6	Cross Staff	4	1,750/-
7	Optical Square	5	1,400/-
8	Prismatic Compass.	3	5,250/-
9	Dumpy level	2	10,800/-
10	Leveling Staff	5	5,500/-
11	Tilting level	2	11,600/-
12	Wooden Pegs	10	1,500/-
13	Iron Pegs	10	2,800/-
14	Plane Table	5	25,000/-
15	Telescopic alidade	1	6,250/-
16	Surveyor Compass.	2	2,700/-
17	Abney level	5	3,250/-
18	Plumb Bob	5	750/-
19	Spirit level	5	1,400/-
20	Plane alidade	2	1000/-
21	Box Sextant	2	3,300/-
22	Arrows	25	625/-
23	Line ranger	10	5,400/-
24	Telescopic Alidade.	1	6,250/-
25	Transit Theodolite 10 Sec	1	17,500/-
26	Electronic distance Meter	1	29,500/-
27	Electronic Theodolite	1	60,000/-
28	Total Station	1	3,20,000/-
29	Prismatic Compass.	1	300/-
30	Dumpy Level	1	300/-

**SVP's Swami Vivekanand Institute of Technology (Polytechnic), Solapur**

31	Theodolite	1	300/-
32	Digital Planimeter	1	300/-
33	Electronic Distance Meter.	1	300/-
34	Digital Theodolite	1	300/-
35	Metric chain	1	300/-
36	Ben 2 LCD projector	1	34,000/-
<b>Total Cost Of The Lab</b>			<b>7,41,205/-</b>

**Name of Department : CIVIL ENGINEERING**

**Name of Laboratory : Concrete Lab (CTE)**

<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	AIR PERMABILITY APPARATUS	2	5,500/-
2	VICAT APPARATUS	2	8,960/-
3	COMPERSSION TESTING M/C	1	97,750/-
4	LE-CHATLITAR APPARATUS	2	1,350/-
5	MEASURING JAR	5	4585/-
6	AGGREGATE IMPACT TESTER	1	14,500/-
7	AGGREGATE CRUSHING VALUES	2	8,800/-
8	BLUK DENSITY TEST APPARATUS	2	10,800/-
9	DENSITY BASKET	2	1,700/-
10	IS SIEVES	21	14,700/-
11	Motorised Sieve Shaker	1	22,500/-
12	Digital Stop watch racer	2	2,100/-
13	Cement Spatula	3	1,875/-
14	Gauging trowels.	4	2,200/-
15	Vibrating Table [500x500mm]	1	41,500/-
16	Slump test apparatus.	2	5,320/-
17	Compaction factor apparatus	1	16,500/-
18	Length Gauges	1	1,650/-
19	Thickness. Gauges	1	1,650/-
20	Mould A 150mm150X3 B) Cylindrical mould	6	13,800/-
21	P. H Meter	1	6,500/-
22	Trays 450x300x40mm 1) 200 x 150X somm	1	5,550/-
23	Thermometer	1	130/-
24	Pasme Terocka Ad Make Cle Scale Model 94-852 Capacity - 15kg.	1	12,500/-
25	45cm Dia GI Sheets Test Sieves 80mm, 75mm 10033 63 25 mm 16mm 63 12.5 mm 4-75 1003 lidand Pan	1	9,100/-

**SVP's Swami Vivekanand Institute of Technology (Polytechnic), Solapur**

26	Mould Cube	3	3,750/-
27	IS. brass Sieves [zoen [dia] 4.75mm, 3.35mm, 2:30mm, & 1-1833	1	3,750/-
28	Essaae teraoka LTD	1	12,000/-
29	Mould cube	9	13,950/-
<b>Total Cost</b>			<b>3,39,167.75</b> /-

**Name of Department : CIVIL ENGINEERING**

**Name of Laboratory : Geo-technology Lab**

<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	Container	12	480/-
2	Desiccator	4	26,000/-
3	Compaction Rammer GF 2.6kg 310 MM Fall Assembly	4	6,800/-
4	Mould For permeability	4	68,000/-
5	Constant head tank	1	5,500/-
6	Set of stand Pipes.	3	9,600/-
7	Vaccum Pump	1	24,500/-
8	Mixing Pump	1	1,050/-
9	Meter Scale	1	650/-
10	Graduated cylinder	1	850/-
11	Direct Shear motorised	1	1,10,000/-
12	Proving Ring [Accurate to 0002MM]	1	8,200/-
13	Micrometed dial guage [accurate to 001mm]	2	4,800/-
14	Universal or Combination Para App. [used of both type of Permeal	1	24,500/-
15	Mettalic Mould 100mm x 1273 mm high loom Volume	1	16,500/-
16	Extansion Coller 100mm x 60 mm high	1	2,000/-
17	Core cutter	1	1,150/-
18	Steel dolly I100mm x 25mm ]high	1	200/-
19	Calibrating Container int & loomin, in derth 150mm	1	600/-
20	Grafting tools A steel strip about so em long, a 5 cm wite + 1 to 5 mm thick	1	900/-

**SVP's Swami Vivekanand Institute of Technology (Polytechnic), Solapur**

21	Mould (with base plate, stay and & wind nut). 150mm 175mm high	1	1,700/-
22	Collar	1	500/-
23	Spacer disc	1	1,500/-
24	Expansion Measuring All	1	3,580/-
25	C.B.R. Lobarotory Moto	1	80,500/-
26	Penetration Plunger	1	600/-
27	Dial guage	2	5,000/-
28	Liquid limit morto	1	7,900/-
29	Growing tool	1	2,800/-
30	Evaporating dish	1	90
31	Vane Shear lab	1	30,500/-
32	Unconfined Compression Tester	1	84,500/-
33	Triaxial Cell	1	34,500/-
34	Pycno meter	1	500/-
35	Deformation Dial quage	1	2,400/-
36	Vernier calliper	1	3,400/-
37	sample extruder	1	9,500/-
38	Sampling tube	1	400/
39	Extractor hand operated	1	9,000/-
40	Proving ring and lateral pressure gauge for triazial cell	1	22,500/-
<b>Total Cost</b>			<b>5,70,650/-</b>

<b>Name of Department : CIVIL ENGINEERING</b>			
<b>Name of Laboratory : Construction of Machinery Section(CMS)</b>			
<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available</b>	<b>Cost in Rs.</b>
1	Crawler Tractor	1	300/-
2	Wheel Tractor	1	300/-
3	Bull Dozer	1	300/-
4	Scraper	1	300/-
5	Earth Loader	1	300/-
6	Waggons	1	300/-
7	Typical Tractor- Shovel. ExcavationMethods	1	300/-
8	Shovels	1	300/-
9	Drag Line	1	300/-
10	Cranes	1	300/-
11	Hoe	1	300/-
12	Trenching Machines.	1	300/-
13	Core Drilling	1	300/-
14	Rotary Drilling	1	300/-
15	Jack Hammer	1	300/-
16	Methods of Tunnel Driving	1	300/-
17	Drilling Patters.	1	300/-
18	Mucking Machines	1	300/-
19	Typical cross-Sections.	1	300/-
20	Tunnel Lining	1	300/-
21	Placing Concrete Lining	1	300/-
22	Well Point System.	1	300/-
23	Crushers	1	300/-
24	Rod & Ball mills	1	300/-
25	Revolving Sereen & Vibrating	1	300/-
26	Sereen	1	300/-
27	Aggregate Processing Plant	1	300/-
28	Concrete Batching Plant	1	300/-
29	Concrete Mixing Plant	1	300/-
30	Manufacturing of cement	1	300/-
31	Types of Concrete Pump	1	300/-
32	Various Types & causes of Cracks in Concrete	1	300/-
33	Transportion & Placing	1	300/-
<b>Total Cost</b>			<b>9,600/-</b>

**Name of Department : CIVIL ENGINEERING****Name of Laboratory : Building Constructions(BCS)**

<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	Types of foundation	1	300/-
2	Plate Load Test	1	300/-
3	Types of footing	1	300/-
4	Types of Pipe	1	300/-
5	Well foundation	1	300/-
6	Classification of Stone Masonry.	1	300/-
7	Types of Surface finish	1	300/-
8	Types of Bond	1	300/-
9	Strutting & Shoring	1	300/-
10	Scaffold	1	300/-
11	Types of wall	1	300/-
12	Types of floor	1	300/-
13	Types of Arch	1	300/-
14	classification of stairs,	1	300/-
15	Types of Roof	1	300/-
16	Types of Trusses	1	300/-
17	Roof Coverings.	1	300/-
18	fasteners	1	300/-
19	Carpentry tool	1	300/-
20	Types of Door		
21	Types of window	1	300/-
22	Damp Proofing	1	300/-
23	Form Work	1	300/-
24	Details of Reinforcement in staircase	1	300/-
25	Details of Reinforcement in beam	1	300/-
26	Details of Reinforcement in footing	1	300/-
27	Details of Reinforcement in Column.	1	300/-
28	Types of doors		

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	1	300/-
	<b>Total Cost</b>	<b>7,695/-</b>

<b>Name of Department : Computer Engineering</b>			
<b>Name of Laboratory : PROGRAMMING LAB-1</b>			
<b>Sr.No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	DELL DESKTOP OPTIPLEX 755	20	396000/-
2	ETHERNET SWITCH DLINK	1	3,300/-
3	CANON LASER LBP-2900B PRINTER	1	18500/-
5	DVD WRITER	1	1,100/-
6	STABILIZER 7.5	1	16,650/-
7	WINDOWS 10	1	0
8	JAVA S/W	1	0
9	AVO 6KVA UPS	1	47200/-
10	26AH SMF EXIDE BATTERY	16	47040/-
11	MySql Software	20	0
12	Turbo C	20	0
13	Ubuntu	20	0
14	JDK	20	0
	<b>Total Cost</b>		<b>529640/-</b>

<b>Name of Department : Computer Engineering</b>			
<b>Name of Laboratory : INTERNET AND NETWORK LAB-1</b>			
<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	ZEBSTER DESKTOP PC	20	396000/-
2	DVD WRITER	1	1100/-
3	ETHERNATE SWITCH DLINK	1	3,300/-
5	STABILIZER 7.5 KVA	1	16,650/-
6	REALTEK LAN CARD 100MBPS	1	400/-
7	1905 cisco ROUTER WITH CLASS CNETWORK	1	50,000/-
8	DATA PROJECTOR MODEL NO PG-F212X-LSHARP	1	50,500/-
9	WINDOWS 10 S/W	1	8,400/-
10	MICROSOFT OFFICE 2007	5	0
11	ADOBE ACROBAT PROFF. 90AE FULL PACK	1	8,686/-
12	NARO 7.1 APPLICATION STOCK	1	11,400/-
13	AVO 6KVA UPS	1	47200/-
14	26AH SMF EXIDE BATTERY	16	47040/-
15	MySql Software	20	0
16	Turbo C	20	0
17	Ubuntu	20	0
18	JDK	20	0

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<b>Total Cost</b>	<b>640676/-</b>
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<b>Name of Department : Computer Engineering</b>			
<b>Name of Laboratory : MICROPROCESSOR/ HARDWARE LAB-4</b>			
<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	LENOVO PC	20	4,86,000/-
2	DVD WRITER	20	16000/-
3	ETHERNATE Switch kit	1	3,200/-
4	STABILIZER SENO 7.5	1	16,500/-
5	WINDOWS 10	20	1,09000 /-
6	TOOLKIT	1	250 /-
7	MICROSOFT OFFICE 2007	20	0/-
8	AVO 6KVA UPS	01	33000/-
9	BATTRY- NEW 26AH SMF MAKE EXIDE	16	34400/-
<b>TOTAL COST</b>			<b>698950/-</b>

<b>Name of Department : Computer Engineering</b>			
<b>Name of Laboratory : COMPUTER CENTER LAB</b>			
<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	Desktop PC	20	3,96000/-
2	DVD WRITER	1	1,100/-
3	ETHERNATE SWITCH	1	3,300/-
4	STABILIZER 7.5 KVA	1	16,650/-
5	WINDOWS 10 SOFTWARE	1	0
6	AUTO IT SOFTWARE	20	0
7	RUBY SOFTWARE	20	0
8	TURBO C SOFTWARE	20	0
9	UBUNTU SOFTWARE	15	0
10	JDK SOFTWARE	10	0
11	MICROSOFT OFFICE 2007 SOFTWARE	5	0
12	ADOBE ACROBAT PROFF, 90AE FULL PACK	1	11,400
<b>Total Cost</b>			<b>428450/-</b>

<b>Name of Department : Computer Engineering</b>			
<b>Name of Laboratory : SOFTWARE TESTING LAB</b>			
<b>Sr.No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	LENOVO PC	20	4,86,000/-
2	DVD WRITER	20	16000/-
3	ETHERNET SWITCH	1	3,200/-
4	AVO 6 KVA UPS	01	33000/-
5	BATTRY- NEW 26AH SMF MAKE EXIDE	16	34400/-



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<b>6</b>	<b>STABILIZER 7.5 KVA</b>	<b>1</b>	<b>16,500/-</b>
<b>7</b>	<b>MySql S/W</b>	<b>20</b>	<b>0</b>
		<b>Total Cost</b>	<b>589100/-</b>

<b>Name of Dept.: Electronics &amp; Telecommunication Engineering</b>			
<b>Name of Laboratory : Instrumentation laboratory</b>			
<b>Sr. No</b>	<b>Equipment</b>	<b>Qty</b>	<b>Price</b>
1	CRO (10m2) single channel 3801 Apbb. By No DI030sco 609080, 90, 53,78/79, 87, 88	7	78,750/-
2	Dc Regulated Power Supply (a: 32. v, 2 Amp) (Dual 3202.0 Aplab Sr to: 09091631,34,39.	3	39,375/-
3	Voltmeter o-lov	5	1,150/-
4	Voltmeter 0-1V	5	1,150/-
5	Ammeter 0-25 A	5	1,150/-
6	Ammeter 0 10 A	5	1,150/-
7	Milnmets C0-150 NA	5	1,150/-
8	Milometer (0-50 NA)	5	1,150/-
9	DMM VC97-2, 0m-97-6	5	13,500/-
10	Function generator CIMH2) Caddio 4060c ST HO 0110 09, 11 03106524,53,71	8	54,000/-
11	Pressure mealuxment using Borden Tube	5	9,000/-
12	Dead weight pressure guage tester	1	32,000/-
13	Flow grate measurement by wing. Rotometer	1	38,000/-
14	Level Measuxment by using air purge "system.	1	33,000/-
15	Characteristic of Thermocouple	1	9,000/-
16	Contact type Tachometer	1	3,900/-
17	Ammeter 0 10 A	5	1,150/-

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18	Humidity measurement by Hygrometer	1	5,000/-
19	Displate med measurement by Rotary Encoder.	1	42,500/-
20	Displacement measurement by LVDT	1	14,500/-
21	Calibration of Temp. meaturing. Instrument.	1	27,500/-
22	PMMC voltmeter CIV, 2V, 25 mv, 100NA)	1	5,750/-
23	AMM (360 TRB)	1	5,750/-
24	Potentiometer as Error Deetector	2	1,000/-
25	Characteristic of Synchro as lerror. Detector	2	11,700/-
26	DC position control system.	2	27,100/-
27	AC position Control system	2	29,100/-
28	Step Response of 1st onder RC CFX & and order RLC system	2	21,180/-
29	Thermometer contro using ON OFF controller PI Controller PID controller	2	35,900/
30	Path PLC 11 PLC Trainer 11 PLC with AllenBradely Part BHardwax lexperiment: - ON/OFF Temp. Controller	1	79,950/-
31	flow rate measurement using orifice meter	1	31,050/-
	<b>Total Lab Equipment Cost</b>		<b>6,55,604/-</b>

<b>Name of Dept.: Electronics &amp; Telecommunication Engineering</b>			
<b>Name of Laboratory: Basic Electronic Laboratory</b>			
<b>Sr. No.</b>	<b>Particulars/ Name of Equipment</b>	<b>No. of Available Qty.</b>	<b>Cost in RS</b>
01	CRO (20MH2) Dual Channel 3702 (D1030sco 609 556, 57, 53405 61, 64)	6	1,23,750
02	Dual output RPs	5	65,625
03	Pluse generator (10MH2) (FH003FGE0709030)	1	14,050
04	Digital Multimetes vc97	4	4,688
05	Resistor / Pots / Preset Display kit	6	13,500
06	Resistor-Fixed Display kit	2	19,000
07	Capacitors Display kit	1	4,000
08	Inductor Display	1	3,200
09	Switches Display kit	1	3,200
10	Relay Display kit	1	3,200
11	Wires Display kit	1	3,200
12	Connectors Display kit	1	4,000
13	IC Display board	1	4,000
14	Front pannel of AMM	1	1,900
16	VI characteristic of PN Junction Diode	5	22,500
17	VI characteristic of zener diode	5	17,500
18	H/W & Flu Rectifier Kits	5	17,500
19	Rectifier with filter.	5	17,500
20	Zener diode	5	17,500
21	Transistor as a switch.	5	17,500
22	single stage et amplifica	5	22,500
23	Two stage RC coupled ce amplifier	5	22,500
24	Common Emitter chat. kit	1	3,300
25	Solderon gun (25w)	1	150
26	Desolderon pump	1	90
27	150B buffer	1	25
28	07 cutter	1	48
29	Screw driver set	1	130
30	Rubber Hammer	1	75
31	Iron Hammer	1	60
32	I/P & /p chat of Transistor in CB mode	4	14,000
33	chat of FET	4	14,000
34	chat of UJT	4	14,000
35	Transistor scries & shunt	4	14,000
36	FET Amplifier kit (ACT99)	5	10,000
37	Negative feedback Amplifier (ACT 8:3)	5	10,000
38	Colpitts oscillator wing FET (NET-18)	5	9,000
39	RC phase shift oscillator using Tronista	5	9,000

**SVP's Swami Vivekanand Institute of Technology (Polytechnic), Solapur**

	CAFT-1)		
40	Linear wareshaping exts (RC-RL) ACT-97 (Inte garder & Differentiator)	5	12,000
41	Non linear wareshaping outs AET-87	5	10,000
42	Astable Multivibrator wing Tramator CAET-88)	5	10,000
43	Monostable multivibrator (MET-89) wing	5	10,000
44	Bistable multivibonder CAFT-11) using Tanmate	5	9,000
45	UJT Relaxation ascillator (A ET 61)	5	9,000
46	Op-Amp Traines kit (AET 20)	5	11,000
47	Investing & Non Investing Amplifier (AFT- 77)	5	11,000
48	Addition & Subtractor wing OPAMP Integrator & Differentiatier wing OPAMF	5	12,000
49	V to I & Itov Conreates CAET-34)	5	11,000
50	Logarithmic & Antilogarithmic Amp.	5	12,000
51	Peak detector using OP-AMP (AFT-76)	5	9,000
52	Astable Multivibrates wing I <sub>≤</sub> 555 (AFT 53)	5	12,000
53	Voltage cantall osci. (AET-63)	5	10,000
54	Schmitt trigger wing OP-AMP (ACT 100)	5	10,000
55	Monostable multivibrator using I <sub>≤</sub> 555 CAFT 54)	5	9,000
56	IInd order LPF using OR AMP (AET 103 B)	5	9,000
57	IInd order HPF using OR AMP (AET 103 B)	5	9,000
58	Band Pass Filter wing OP-AMP (ACT 103E)!	5	9,000
59	Band Reject filter using OP-AMP (AFT- 103F)	5	9,000
60	DC Regulated PS. (Fixed) (± 15v)	5	17,500
61	VI characteristic of Diac, Traic, SCR IGBT	5	92,500
62	Full wore mid point	5	1,12,500
63	Single phase Variac (2 Amp)	1	9,100
64	Single Luned Amplifier kit	2	1,700
65	miller surep generator Krf (AFT-86)	2	5,200
66	EMOSFET as aswitch lit	2	6,600
67	SCR IGBT SCR phase Control (kt kit	5	39,000
68	Tunnel diode chart kit	3	13,200
69	Photo diode chart kit	3	30,600
70	Digital multimeter	8	22,500
71	Lcd projector	1	24, 750
72	Three phase low voltage power supply 091587	1	14,812
73	Three phase controller antifire kit 051683	1	14,708
74			
<b>Total</b>			<b>11,76,983</b>

## SVP's Swami Vivekanand Institute of Technology (Polytechnic), Solapur

<b>Name of Dept.: Electronics &amp; Telecommunication Engineering</b>			
<b>Name of Laboratory : Printed Circuit Board Laboratory</b>			
<b>Sr.No</b>	<b>Equipment</b>	<b>Qty</b>	<b>Price</b>
1	PCB tiching machine	1	17,280
2	PCB Schering machine (Model No. 3003)	1	9,850
3	PCB Drilling Machine. (Model No. 3002)	2	22,500
4	VV Exposer unit (Model No. 3005)	1	21,250
5	PCB Curing machine. (Model No. 3004)	1	10,950
6	photo resistive Dip coating (Model No. 3006)	1	14,850
7	Soldorn Iron (25 watt)	10	2,200
8	plier set with Tweezer	3	1,350
9	Magnifier with light	2	1,100
10	Component performing Tool	1	190
		<b>Total</b>	1,01,520

<b>Name of Dept.: Electronics &amp; Telecommunication Engineering</b>			
<b>Name of Laboratory : Digital Techniques &amp; Microprocessor Lab</b>			
<b>Sr.No</b>	<b>Equipment</b>	<b>Qty</b>	<b>Price</b>
1	Digital IC fester	1	29,000
2	Truth table of Jogic gates kit	4	18,000
3	Demorgons theorem kit	4	18,000
4	H/A & E/A kt	4	18,000
5	Combinational ckt multiplexer using	4	18,000
6	Decader counter using Ic 7490	4	18,000
7	Decoder driver kit	4	18,000
8	3-bit synchronous counter	4	22,000
9	A to D & D to A converter	2	19,000
10	NAND & NOR gate logic gates. as universal	4	18,000
11	Adder & Subtractor kit	4	18,000
12	Binary to gray & gray binary converter	4	22,000
13	MUX IC 74151 Or DEMUX IC 7415S kit	4	18,000
14	Rs fif using Naur gate & 16 7476	4	18,000
15	SISO soft register right. shift operation	4	22,000
16	4 bit ripple counter	4	18,000
17	Bidirectional buffer (1094245)	5	12,000
18	ALO (74181)	5	14,000
19	ADC (0808)	5	11,000
20	DAC	5	11,000
21	Memory chip (RAM & ROM).	5	12,000
22	8085 Trainer kit	2	12,000
23	DC regulator (+-5v)	5	10,000
24	Real time juterface board.	2	2,720
25	89v51RD2 starter kit	2	2,400
26	Flash magic Compatible: 8JUSIRD1 serial programme.	5	640
27	Jonta board for AVR 40pin Devices & 813 51/52	5	1.160
28	Digital & analog 10 interfacing	2	672
29	Sensor & motor shield for Arduino	2	1,344
30	Arduino compatible-freeduig DU (1D93)	1	896
31	Arduino compatible freeduino NG (1031)	1	816
32	Micro SD card interface 5v logocalevel	2	400
33	Logic Jevel converte	2	288
34	R3230 to TTL converter	2	256
35	DBG female to MKDSN Extension break out	2	160
36	USBA type to single line converter	2	144
37	USBA type to single line converter	2	128

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38	5x2 Header to single line converter.	2	96
39	Magjack compatible RJ45 ethermat conneedor	1	288
40	RJ45 to RJ45 Extension	2	224
41	Dual voltage o/p board	5	400
42	RJ45 to top entry to single line with mounting	2	160
43	3.3v regulator model.	4	544
44	L298 DC motor driver	2	528
45	DB9 male to single live with. mounting	2	144
46	7 Segement display board (ID 59)	2	288
47	DB9 female to single line with moulting	2	144
48	4x4 matrix keybond modnik [IDIB]	1	128
49	SIM card to single with mounting	1	120
50	DAC & ADC interface module	4	18,400
51	Stepper motor controller with stepper motor	1	6,400
52	89651 icontroller board	2	24,000
53	DC motor juterface module	1	3,800
54	stepper motor juterface. module with stepper motor	1	6,400
55	Buzzer interface module.	2	1,800
56	USB programmer for LPC Arm & P89 vxx microbroller	2	736
57	Practical course for ATML microntroller	1	2,656
58	Real time interface board 25 for 8051	2	2,720
59	89v5/RD2 starter ki	2	2,400
60	8085 Microprocess kit	2	12,000
61	9255 Juterface module.	2	4,000
62	Interface module	2	4,000
63	Universal devise programmer	1	36,480
64	Spj make s/w	1	36,506
65	8051 microprocesser integrated divise board	3	26,393
<b>Total Cost</b>			<b>6,01,428</b>

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Name of Department : First Year			
Name of Laboratory :Physics Lab			
Sr. No.	Particulars (Name of Equipment)	No. of Available Qty.	Cost in Rs.
1	Travelling microscope	2	7,200/-
2	Spectrometer	2	9,000/-
3	single power supply 6.30V/2A Pacific make	5	2,700/-
4	PN junction diode kit with meters	3	8,100/-
5	mercury lamp complete Set	2	5,400/-
6	Sodium lamp complete set	2	6,400/-
7	magnifying lens 2''	6	840/-
8	Table lamp	4	1,440/-
9	Digital stop watch	5	4,450/-
10	Analog stop watch	5	3,150/-
11	Screw Driver set	2	320/-
12	wire stripped	2	170/-
13	Digital multimeter	5	8,250/-
14	Zener diode kit	3	5,400/-
16	Measuring cylinder 100 ml	5	1,925/-
17	Lab charts	12	4,320
18	panel meters	35	13,475/-
19	Newton's ring built in set-up	2	9,000/-
20	viscosity apparatus by Stoke's method	2	3,600/-
21	Pulling apparatus 100cm	2	1,300/-
22	Boyle's law, apparatin	2	3,300/-
23	Surface tensions by capillary rise method	2	1,780/-
24	Oscilloscope: 20 MHZ scientech make 201 c	5	3,300/-
25	Function Generator -pacific make FG-181MH2	5	8,400/-
26	Transistor char kit	3	27,000/-
27	Thermometer 110°c	6	5,400/-
28	Vernier calliper	10	1,450/-
29	micrometer screw	10	1,350/-
30	Tunning fork set	4	5,000/-
31	solder gun-soldron. with Stand	4	1,360/-
32	Battery Eliminator SA /12V	2	4,900/-



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33	Spirit level	5	900/-
34	He-Ne Laser with optical bench complete set up	1	36,900/-
35	Young's modulus a) weight set	10	6,100/-
36	Photoelectric Set cell expt set up	2	12,600/-
37	Thermocouple apparatus. a) heater for above Expt	4	5,400/-
38	Glass Slab	2	360/-
39	Full meter scale	5	425/-
40	Joule's constant apparatus	2	9,000/-
41	Bar pendulum. complete set up	4	5,200/-
42	weight for sonometer	1	540/-
43	EDF Prism	2	1,960/-
44	Thermal Conductivity using searle's method.	2	3,400/-
45	To calculate permittivity of air by using flat condense Plates	1	3,600/-
46	Ampere's Rule	1	13,500/-
47	Bun sen's photometer with optical bench	1	8,900/-
48	To represent S.H.M. with the help of vertical oscillation of spring.	1	2,250/-
49	Travelling Microscope xyz motor	5	25,900/-
50	PN junction diode kit with meter	5	12,175/-
51	Spectrometer Brooks scale 15 cm.	5	30,475/-
52	Mercury lamp set	5	10,000/-
53	Sodium vapour lamp set	5	23,250/-
54	Table lamp	4	1,200/-
55	Digital drop watch	6	3,900/-
56	Analog step watch	7	10,150/-
57	Zener diode kit	7	1,260/-
58	Measuring cylinder 10ml	10	750/-
59	Lab chart	20	7,800/-
60	Pullingers app 100 cm	5	10,500/-
61	Boyles low app.	5	6,100/-
62	Surface tension by capillary rise.	5	7,000/-
63	Vernier Callper.	6	540/-
64	Tuning fork set	7	1,600/-
65	Solder gun with stand	4	1,200/-
66	Photo Selenium chat app	5	6,100/-
67	Thermocouple app.	2	600/-
68	Gloss gab 75X50X1P	2	225/-
69	Fullmeter scale & Half meters	2	600/-
70	Joules electrical colorimeter	3	1,230/-
71	Spring constant app.	3	3,875/-

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72	Compound bar pendulum	5	3,700/-
73	Sound level meter	5	37,500/-
74	Viscosity stoke app with blymeter	3	3,249/-
75	To determine for bidden energe	2	6,850/-
<b>Total Cost</b>			<b>4,89,994/-</b>

Name of Department : First Year			
Name of Laboratory :Chemistry Lab			
Sr. No.	Particulars (Name of Equipment)	No. of Available Qty.	Cost in Rs.
1	Viscometer college pattern	20	1,200/-
2	Specific gravity bottele with ic stopper cap 50ml	12	720/-
3	Test tube with rim	500	2,700/-
4	5.5 crucible tong 8	24	1,224/-
5	Dessicater plain dia 210mm	1	1,080/-
6	Analytical weight box 1-100gm	6	2,916
7	Test tube holder	24	100/-
8	Wire gauge with freme 6*6	24	144/-
9	Test tube brush	48	288/-
10	Beaker low from with spout graduate cup 20/25ml	20	384/-
11	Beaker 20ml form with spout graduate cup 100ml	20	504/-
12	Beaker low with sput graduate cup 250ml	20	720/-
13	Beaker low from with spout graduate cup 500ml	20	720/-
14	Single burette lamp	10	420/-
15	Volumetric flask b glass cap 250ml	10	780/-
16	Volumetric flask b glass cup 500ml	10	1,380/-
17	p.h. meter ea-610	2	9,860/-
18	Colorimeter	1	5,950/-
19	To determine ece of cu by cuso4 sol and copper electrode	1	3,600/-
20	Thermometer 110 deg	20	700/-
21	Analytic balance one pan	1	1,350/-
22	Stop clock	5	4,750/-
23	Dropper 8	30	450/-
24	Bloe pipe	12	168/-
25	Watch glass 3	20	100/-
26	Condenser big	10	1,600/-
27	Hot air oven 18*18*18	1	15,900/-
28	Distilled water plant	1	5,500/-
29	Burette stand with lamp	15	3,300/-
30	Conductivity meter	1	6,700/-

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31	Copper plate with terminal	10	600/-
32	Zink tod with terminal	10	600/-
33	Measuring Glindre tous	05	375/-
34	Stop watch digital	10	5,400/-
35	Refractometer	10	228/-
36	porcelain dish	10	150/-
37	Conductivity meter E8660A	3	18,900/-
38	Conductivity cell 1K	3	3,750/-
39	Reference electrode	3	1,800/-
40	PH meter EQ 610	3	18,600/-
41	Battery eliminator	2	2,260/-
42	Glass bottle	10	1,100/-
43	Watch glass	10	600/-
44	Voltmeter	5	1,150/-
45	Desiccator	5	3,050/-
46	Glass electrode	3	1,800/-
47	Ph meter eq610	3	18,900/-
48	Test tube	200	1,800/-
49	Silicon grease	100	210/-
<b>Total Cost</b>			<b>1,56,541/-</b>

**Name of Department : First Year**

**Name of Laboratory : Engineering Mechanics**

<b>Sr. No.</b>	<b>Particulars (Name of Equipment)</b>	<b>No. of Available Qty.</b>	<b>Cost in Rs.</b>
1	Universal force table	1	8,950
2	Parallel force apparatus	2	5,760
3	Law of moment	2	4,320
4	Jib crane iron base tubular type	1	6,000
5	Combined inclined plane and friction slide	2	6,320
6	Chain pulley block	1	6,720
7	Wheel and differential pulley block	1	4,320
8	Winch crab double purchase	1	9,000
9	Winch crab single purchase		
10	Worm	1	4,920
11	ScREW jack	02	7,200
12	Universal force table	4	39,800
13	Parallel force apparatus	3	9,750
14	Law of moment	3	7,080
15	Jib crane iron base tubular type	4	25,200

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16	Wheel and differential axle 30 cm	2	9,240
17	Chain pulley blocks	2	13,840
18	Winch crab single	2	0
19	Winch crab double	2	19,800
20	Warm wheel	2	10,640
21	Screw jack 1	1	3,800
22	Combined in clinde plane and friction	3	10,440
<b>Total Cost</b>			<b>2,36,180</b>

Name of Department : First Year			
Name of Laboratory : LANGUAGE LAB			
Sr.No.	Particulars (Name of Equipment)	No. of Available Qty.	Cost in Rs.
1	LENOVO PC	20	4,86,000/-
2	SAMSUNG DVD WRITER	01	800/-
3	ETHERNET SWITCH	1	3,200/-
4	STABILIZER 7.5 KVA	1	16,500/-
5	WINDOWS XP 7 PROFASSIONAL OEM/W	20	1,09,000/-
6	ORACELE 11 I APPLICATION SOFTWARE	1	60,004/-
7	LOTUS APPLICATION SOFTWARE	10	1,09,900/-
<b>Total Cost</b>			<b>7,85,404/-</b>

**8. Computing Faculty**

Sr. No.	Particulars	Availability
1.	No of Computer terminals	145
2.	Legal System Software	03
3.	Legal Application Software	20
4.	LAN & Internet for all	Yes
5.	Peripheral(s)/ Printers	9
6.	Internet connection with Bandwidth connection	1. Unlimited (24 hours) (NAS) 2. Unlimited (24 hours) (GEO)

**9. Area**

Sr.	Particulars	Required as per	Available
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<b>No.</b>		<b>AICTE Norms</b>	<b>(Sq. Mtr.)</b>
1	Instructional Area (Carpet Area)	4582	4959
2	Administrative Area (Carpet Area)	800	867
3	Amenities (Carpet Area)	1500	2660
4	Circulation & Others (Carpet Area)	1720	2935

### 10. Library Facility

<b>Sr. No.</b>	<b>Particulars</b>	<b>Available No.</b>
1.	No. of Volumes	15792
2.	No. of Titles	1628
3.	No. of National Journal	Technical Journals : 20 Technical Magazines : 03
4.	No. of International Journal	E Journal : 02
5	Reading Room facility	Yes (Seating Capacity : 70 Students)
6	Multimedia /Digital Library	Yes

### 11. Details about curricula and Syllabi

The curricula and syllabi of each Programme is as approved by the affiliating M.S.B.T.E. Mumbai. The Academic year start usually in the 1st week of the July and the examination of 1st Semester are in the months of November. The 2nd Semester starts in the 2nd week of December and examination of the 2nd semester are in the months of April.

In the Academic timetable there are 36 hours of teaching per week, which include lecturers, Practical's, tutorials, seminar and project contacts hours. There is a system of continuous evaluation of performance for class tests, practical, seminar, projects etc. There is a system of performance appraisal of faculty by the students. The students have to fill up the feedback from twice in a semester and then the performance of the faculty is evaluated by the academic advisory committee.