

ANNUAL BUDGET 2018-2019



वार्षिक अंदाज पत्रक २०१८-२०१९

(Approved by BOM in 17th meeting held on 17th February 2018 vide item no. 17.4
and on the review meeting in presence of Hon. Member held
on 08th February 2018 vide item no. 17.3)

GOVERNMENT COLLEGE OF ENGINEERING, KARAD

(An Autonomous Institute of Govt. of Maharashtra)

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Overall strategies for Budget.

The focus of the budget for this year is mainly on developing research and development facilities and providing academic ambience to the students and faculty.

1. Improving ambience, creation of new facilities in the form of building and refurbishment & advanced equipment's / latest software's have been considered.
2. State government has approved funds to PWD for construction of new Library and Electronics & Telecommunication buildings.
3. To improve the facelift of the institution, garden development, eco-friendly & smart campus
4. Conversion of one class room in each department into a smart class room with WIFI & Tab for which budgetary provision has been made.
5. Major & minor research projects provision has been made under R & D.
6. Enhancement of industry institute interaction through student Internship.
7. To enhance industry institute interaction, rate contract with travel agencies has been made and provision for expenditure on visits through institute / TEQIP III funds.
8. Activities are proposed in twining program for Rajkiya College of Engineering Ajamgarh, U.P. under TEQIP III.
9. National & International seminars / workshops / conferences / FDP / CEP have been proposed.
10. Budgetary provision is made for present & new student clubs.
11. Solar roof / testing & research lab will be developed through MEDA / MNRE and State Govt. funds.
12. Gymkhana / Student Activity Center / playground development through DSO & Institute funds.
13. Surveillance & security for whole campus through CCTV camera.
14. Establishment of cloud computing / IOT facilities in campus.
15. Academic enrichment through services of industry / academicians/ emeritus / adjunct / visiting faculties.

BUDGETED INCOME & EXPENDITURE FOR THE YEAR 2018-2019

Components of Income/ Expenditure	Unrestricted Funds												Restricted Fund			(Figures in Lakh)	
	Corpus Fund (F1)	Designated Funds											Technical Education Quality Improvement Programme	State Govt Assistance	Central Assistance	TOTAL	Previous Year Total
		Faculty Development (F2)	Equipment Replacement (F3)	Maintenance (F4)	Institute Development (F5)	Salary (F6)	Gymkhana	Library	Training & Placement	Internet	Hostel	Exam Fee					
Income																	
Opening Balance	630.07	243.85	338.41	61.61	209.64	278.92	114.25	253.67	52.86	144.37	130.91	66.15	0	0	0	2524.70	1719.09
Academic Receipts	83.85	72.96	308.25	50.94	92.67	228.40	38.78	103.12	26.62	74.68		38.51				1118.78	955.64
Grants & Donations													579.00	2466.48	478.80	3524.29	2196.89
Income from investments	59.40	27.50	22.00	2.20	15.40	11.00										137.50	168.46
Other Incomes		11.53					0.96				58.00	40.47				110.96	145.74
TOTAL (A)	773.32	355.84	668.66	114.75	317.71	518.32	153.99	356.78	79.48	219.05	188.91	145.13	579.00	2466.48	478.80	7416.23	5185.82
Expenditure																	
Staff Payments: Salary		266.15				529.46								1375.00		2170.61	1966.28
Staff Benefits		11.53														11.53	33.96
Academic Expenses: Recurring				15.00	72.24		28.70	8.85		54.52				209.28		388.59	307.13
Academic Expenses: Non Recurring	509.25		382.94		285.74		4.00	55.31		63.75	111.54			882.20	478.73	2773.46	1877.35
Administrative and General Expenses				15.00					62.20						0.07	77.27	117.27
Repairs & maintenance				52.16				1.12			23.40					76.68	120.35
Other Expenses												38.46	579.00			617.46	34.38
TOTAL (B)	509.25	277.68	382.94	82.16	357.98	529.46	32.70	65.28	62.20	118.27	134.94	38.46	579.00	2466.48	478.80	6115.61	4456.72
Balance being excess of	264.07	78.16	285.73	32.60	-40.27	-11.15	121.29	291.50	17.28	100.78	53.97	106.67	0.00	0.00	0.00	1300.62	729.10

RECEIPTS BUDGET 2018-19

Sr. No.	Items	Received in 2014-15	Received in 2015-16	Received in 2016-17	Balance as on 31.3.2017	Received During 1-4-2017 to 7-2-2018	Total	Budgeted Receipts for 2018-19
1	TUTION FEE	272.12	152.62	244.25	538.66	236.98	775.64	242.75
2	GYMKHANA FEE & GATHERING	15.48	15.29	25.01	81.01	33.24	114.25	38.78
3	DEVELOPMENT FEE	87.71	138.43	274.59	1135.73	384.86	1520.59	463.33
4	LABORATORY FEE	37.81	41.65	71.02	204.28	101.49	305.77	119.46
5	T.P.O	1.90	8.92	14.27	28.37	24.49	52.86	26.62
6	LIBRARY FEE	16.87	27.88	57.70	167.94	85.73	253.67	103.12
7	INTERNET FEE	11.99	20.20	41.93	82.39	61.98	144.37	74.68
8	TESTING & IRG	40.75	32.15	43.56	122.30	20.96	143.26	23.06
9	EXAMINATION FEE	5.39	14.96	21.32	36.25	29.90	66.15	38.51
10	HOSTEL	24.03	29.33	44.54	78.18	52.73	130.91	58.00
11	ISTE	0.83	1.10	2.33	4.63	1.14	5.77	0.96
12	IDENTITY CARD FEE	0.20	0.38	0.50	0.88	0.52	1.39	0.57
13	MISC RECEIPTS (L.C. / RENT / OTHER)	17.56	14.21	52.44	99.24	36.28	135.52	39.90
	TOTAL	532.64	497.12	893.45	2579.85	1070.29	3650.14	1229.75

POSITIONS OF DIFFERENT FUNDS 2018-19

Sr. No.	Items	Expenditure 2014-15	Expenditure 2015-16	Expenditure 2016-17	Balance as on 31-3-2017	Received During 1-4-2017 to 7-2-2018	Expenditure 1-4-2017 to 7-2-2018	Balance	Budgeted Receipts for 2018-19 in Lakh
1	Corpus Fund F1	0.00	0.00	75.29	551.59	78.48	0.00	630.07	83.85
2	Faculty Development F2	1.38	0.09	41.67	259.85	57.96	73.96	243.85	72.96
3	Equipment Replacement F3	201.57	81.02	111.12	205.64	153.94	21.17	338.41	308.25
4	Maintenance F4	78.32	56.66	100.40	20.21	139.97	98.57	61.61	50.94
5	Institute Development F5	33.63	51.74	55.56	141.11	77.27	8.74	209.64	92.67
6	Salary F6	37.03	38.02	224.77	101.50	286.66	109.24	278.92	228.40
	TOTAL	351.93	227.53	608.81	1279.90	794.28	311.68	1762.50	837.07

EXPENDITURE BUDGET 2018-19**STATE GOVERNMENT**

(Figures in Lakh)

Sr.No.	Item	Budget 2017-18	Amount Spent	Budget 2018-19
1	STATE GOVERNMENT PLAN	356.31	0.00	882.20
2	STATE GOVERNMENT NON PLAN	1410.71	1179.59	1584.28
	TOTAL	1767.02	1179.59	2466.48

STATE GOVERNMENT PLAN : DETAILS

Sr.No.	Items	Amount Received	Expenditure during 2017-18	Budget 2018-19
1	Equipment	-	-	74.20
2	Civil Works	-	-	800.00
3	Library	-	-	8.00
	TOTAL	-	-	882.20

STATE GOVERNMENT NON PLAN : DETAILS

Sr.No.	ITEMS	Budget 2017-18	Amount Received	Expenditure during 17-18	Budget 2018-19
1	Salary	1,309.23	866.46	1,005.11	1,375.00
2	Non salary	101.47	-	174.48	209.28
	TOTAL	1,410.70	866.46	1,179.59	1,584.28

FUND WISE EXPENDITURE BUDGET

Sr.No.	Items	Budget 17-18	Expenditure during 2017-18	Budget 2018-19	Justification
1	Corpus Fund F1	251.27	0.00	509.25	
2	Faculty Development F2	307.88	73.96	266.15	
3	Equipment Replacement F3	421.56	21.17	382.94	
4	Maintenance F4	84.01	98.57	82.16	
5	Institute Development F5	217.73	8.74	357.98	
6	Salary F6	302.94	109.24	529.46	
Total		1585.39	311.68	2127.94	

BUDGET FOR OTHER FEES

Sr. No	Item	Budget 2017-18	Expenditure during 2017-18	Balance Amount as on 07.02.2018	Budget 2018-19
1	Library fee	71.10	15.70	253.67	65.28
2	Gymkhana fee	116.55	8.37	114.25	32.70
3	Internet fee	108.27	0.00	144.37	118.27
4	TPO fee	52.20	4.83	52.86	62.20
5	ISTE fee	1.84	0.00	5.77	1.86
6	Examination fee	34.39	8.99	66.15	38.46
TOTAL		384.35	37.89	637.06	318.78

LIBRARY FEE

Sr.No.	ITEMS	Budget 2017-2018	Expenditure during 2017-18	Budget 2018-19	Justification
1	Books & Journals	60.00	15.70	51.25	Expenditure is less as journal subscription was paid. IEEE subscription increased this year.
2	Equipment	0.00		4.06	
3	Furniture	0.00		0.00	
4	Refurbishment/ Non recurring	4.30		0.00	
5	Consumable / Maintenance	1.80		9.97	
6	Salary	5.00		0.00	
TOTAL		71.10	15.70	65.28	

GYMKHANA FEE

Sr. No.	Item	Budget 2017-18	Expenditure during 2017-18	Budget 2018-19	Justification
1	Gymkhana Activity / Recurring	24.20	8.37	27.20	
2	Refurbishment	7.35		0.00	
3	Building	80.00		0.00	
4	Furniture / Non Recurring	5.00		5.50	
TOTAL		116.55	8.37	32.70	

Direct Central Assistance (MODROB / RPS / FIST) Old

Sr. No.	Items	Budgeted Expenses 2017-18	Expenses 2017-18	Balance up to 31.03.17	Budget 2018-19
1	Civil	0.07	0.00	0.07	26.93
2	IT				
3	Electrical Dept				
4	MCA				
5	Science & Physics Dept				
6	Mathematics				
7	Mechanical Dept				
TOTAL		0.07	0.00	0.07	26.93

*Balance Rs. 5973/- Modrob and Rs. 642/- RPS = Rs. 6615/- & will be paid to CA as Audit Fee.

AICTE-AQIS 2018-19 PROPOSAL SUBMITTED

Sr. No.	Name of Faculty	AQIS Scheme	Amount
1	New Hostel for Girls (SC/ST) AICT		200.00
2	Dr. S. J. Wagh	MODROB-Network Lab	16.50
3	Dr. S. J. Wagh	FDP	5.50
4	Dr. S. J. Wagh	International Seminar grant	3.00
5	Dr. R. B. Kulkarni	MODROB-Design Lab	19.60
6	Prof. K. N. Tayade	FDP	5.80
7	Prof. B. S. Yelure	FDP	5.60
8	Prof. P. B. Jawade	Seminar Grant	1.00
9	Prof. A. B. Chaudhari	MODROB- Software Engineering Lab	13.87
10	Prof S H Pawar	MODROB-Computer Lab	20.00
11	Prof S K Patil	MODROB-Switch Gear and Protection Lab	20.00
12	Prof P R Jadhav	MODROB-Power system	21.00
13	Dr A T Pise	MODROB-Applied Thermal Engineering	20.00
14	Prof A R Acharya	MODROB-Heat Transfer	20.00
15	Dr S S Mohite	RPS-Computer Aided Fixture Design	25.00
16	Prof A R Acharya	RPS-Microchannel Heat Transfer	25.00
17	Dr A T Pise	FDP-Advanced Computational Fluid Dynamics	7.00
18	Dr S S Mohite	MODROB-Up-gradation of Metallurgy Laboratory & Foundry	18.00
19	Prof U L Deshpande	Unnat Bharat Abhiyan	5.00
TOTAL			451.87

TEQIP III

Sr. No.	Activities	Opening Balance	Amount Received in 16-17	Expenses 2016-17	Balance as on 01.02.18	Budget 2018-19
1	Procurement	(2.23)	216.83	127.04	87.56	579.00
2	Assistantships					
3	R & D					
4	FSD					
5	III Cell					
6	Capacity development					
7	Reforms					
8	Student Support					
9	IOC					
TOTAL		(2.23)	216.83	127.04	87.56	579.00

** TEQIP II Expenses Rs. 96.46 and TEQIP III Rs. 30.58

State Government Plan : Equipment

List of Equipment to be Purchased

Name of Department - Civil Engineering

Sr. No	Proposed Items with specification	Quantity Required	Esti.Unit Rate	Estimated Amount	Justification
1	Tar viscometer - The apparatus consist of bath with the cup of 10 mm or 4 mm orifice and sleeve stirrer with ball lifting clip and ball.The bath is fitted with an immersion heater to take the water to the required temperature and a drain valve.The temperature is controlled by energy regulator or voltage barrier.The assembly is kept on a suitable stand with leveling screws.Suitable to operate on 220 V 50 Hz, AC single phase.	1	0.10	0.10	It is required for UG practicals
2	Electronic weighing balance - Digital Weighing Scale, EIWS - 3, ISI Approved, 150Kg, Heavy Duty SS Platform, White LED Display	1	0.10	0.10	It is required for UG practicals

3	<p>Portable Dissolved Oxygen meter- Specifications</p> <p>DO Range 0.00 to 45.00 ppm (mg/L), 0.0 up to 300.0% saturation</p> <p>DO Resolution 0.01 ppm (mg/L); 0.1% saturation</p> <p>DO Accuracy $\pm 1.5\%$ F.S. or ± 1 digit, whichever is greater</p> <p>DO Calibration one or two points at 0% and 100% (in air)</p> <p>Temperature Range 0.0 to 50.0°C / 32.0 to 122.0°F</p> <p>Temperature Resolution 0.1°C / 0.1°F</p> <p>Temperature Accuracy $\pm 0.2^\circ\text{C}$; $\pm 0.4^\circ\text{F}$ (excluding probe error)</p> <p>Temperature Compensation automatic from 0 to 50°C (32 to 122°F)</p> <p>Altitude Compensation 0 to 4000 m (resolution 100 m)</p> <p>Salinity Compensation 0 to 80 g/L (ppt) (resolution 1 g/L)</p> <p>Electrode/Probe polarographic</p>	1	0.40	0.40	It is required for UG practicals and testing and Consultancy work
4	<p>Portable Turbidity Meter- Operating Temperature Range: 0 - 50 °C</p> <p>Power Supply: Batteries (see Battery Requirements) or Optional Power Supply</p> <p>Range:0 - 1000</p> <p>Range 2:NTU</p> <p>Reading Modes:Normal (Push to Read)</p> <p>Signal Averaging-Rapidly Setting Turbidity</p> <p>Repeatability:$\pm 1\%$ of reading or 0.01 NTU , whichever is greater</p> <p>Response Time:6 s in normal reading mode</p> <p>Sample Cell Compatibility:25 mm x 60 mm round</p> <p>Sample Requirements:15 mL (0.5 oz)</p> <p>Sample Volume:15 mL</p>	1	0.80	0.80	It is required for UG practicals and testing and Consultancy work

5	LCD Projector-Short Throw with HDMI-3000 lms ,XGA, 10,000 hrs lamp life, DLP, 3D, 13,000:1 ratio, 2 years warranty, HDMI port	1	0.50	0.50	For departmental use
6	Panel speakers -(To be fixed on wall)	8	0.10	0.80	For UG classrooms
7	Printer- Printer with scanner facility	2	0.15	0.30	For departmental use
TOTAL		15	2.15	3.00	

Name of Department - Mechanical Engineering

Sr. No	Proposed Items with specification	Quantity Required	Esti.Unit Rate	Estimated Amount	Justification
1	Two Stroke Cut Section Model	1	0.10	0.10	Demonstration Equipment for I.C. Engine Lab, Teaching aids to enhance learning.
2	Four Stroke Cut Section Model	1	0.10	0.10	Demonstration Equipment for I.C. Engine Lab, Teaching aids to enhance learning.
3	Cut Section model of Mock Layout of a Car wiring	1	0.40	0.40	Demonstration Equipment for Automobile Engineering Lab, Teaching aids to enhance learning.
4	Training platform for Hydraulic Power Steering	1	0.70	0.70	Demonstration Equipment for Automobile Engineering Lab, Teaching aids to enhance learning.
TOTAL		4	1.30	1.30	

Name of Department - Electrical Engineering

Sr. No	Proposed Items with specification	Quantity Required	Esti.Unit Rate	Estimated Amount	Justification
1	Solar module analyser	1	3.00	3.00	New purchase for UG & PG students to increase practical approach for energy conservation. We want to pool our scientific, technical and managerial talents, with sufficient financial resources, to develop solar energy as a source of abundant energy to power our economy and to transform the lives of our people. Our success in this endeavour will change the face of India. It would also enable India to help change the destinies of people around the world. Solar module analyser provide us an opportunity to save & conserve energy according to mission of MNRE.
TOTAL		1		3.00	

Name of Department - Information Technology (IT)

Sr. No	Proposed Items with specification	Quantity Required	Esti.Unit Rate	Estimated Amount	Justification
1	Wacom Interactive Pen Display Screen Size: 15.6" Screen Resolution: 1366x768 (WXGA) Color Depth : 16.77 million color Contrast Ratio: 400:1 Video Interface: DVI-I video in/out Accessories: Pen with reaser, two customizable buttons	2	0.49	0.98	To setup digital classroom and enhance teaching learning.
2	Xerox machine	1	0.80	0.80	For officeial work
3	Digital Rolling Display Boards	3	0.20	0.60	To display graphics, web pages and advertisement creations.

2	DLP Projector DLP 1024x768 3000 ANSI Brightness, Contrast ratio: 13000:1, Intellegent auto setup, Auto Control, Lamp Life 6500 hrs, Ready HDMI input, Wire-less dongle option.	2	0.45	0.90	To setup digital classroom and enhance teaching learning.
TOTAL		8	1.94	3.28	

Name of Department - Electronics & Telecommunication (E&TC)

Sr. No	Proposed Items with specification	Quantity Required	Esti.Unit Rate	Estimated Amount	Justification
1	TV set for SWAYAM	1	1.50	1.50	For on line courses (Mandetory by AICTE)
2	PA system for Seminar Hall	1	1.25	1.25	For Audio Video arrangement
TOTAL		2	2.75	2.75	

Name of Department - Applied Mechanical

Sr. No	Proposed Items with specification	Quantity Required	Esti.Unit Rate	Estimated Amount	Justification
1	Calibration anwheel for rebound	2	0.75	1.50	To keep rebound hammer
2	Feast - Academic Version	10 user		1.12	Good for PG students
3	Vedio gaugeing system	1	30.00	30.00	For accurate calculations of
4	Compressor for permeability	1	0.50	0.50	Compressor is not available for
5	Applied Civil Software	1	10.00	10.00	Compressor is not available for
6	Mechanical Sieve shaker	1	0.25	0.25	Not available in concrete
7	Compression Testing Machine	1	3.00	3.00	For practicals and testing
8	Beam Moulds	12	0.04	0.42	Existing moulds are not sufficient
9	Vicat Apparatus	1	6.00	6.00	Existing apparatus is not in good
10	Cube Moulds	12	0.12	0.14	Existing moulds are not sufficient
11	Humidity Chamber	1	2.50	2.50	Essential for controlled testing of
TOTAL		33	53.15	55.43	

Name of Department - Master of Computer Application (MCA)

Sr. No	Proposed Items with specification	Quantity Required	Esti.Unit Rate	Estimated Amount	Justification
1	Digital Rolling Display boards	5	0.5	2.50	for display of graphics ,web pages and advertisment creations
2	NVDIA graphic hardware cards	5	0.2	1.00	for MCA high Performance Laboratory
TOTAL		10	0.7	3.50	

Name of Department - Physics

Sr. No	Proposed Items with specification	Quantity Required	Esti.Unit Rate	Estimated Amount	Justification
1	Resistivity of Semiconductors by Four Probe Method (Different Temperatures Determination of the Band-gap, (Advance Model, oven arrangement, Ge crystal, Teflon bush, Learning CD)	2.00	0.32	0.64	For First year B.Tech. Practicals
2	e/m Experimental Kit – Thomson’s Method (microcontroller based power supply instrument for CRT,LCD ,acrylic stand,deflection magnetometer and learning CD)	2.00	0.25	0.50	For First year B.Tech. Practicals
	TOTAL	4.00	0.57	1.14	

Name of Department - Office

Sr. No	Proposed Items with specification	Quantity Required	Esti.Unit Rate	Estimated Amount	Justification
1	Xerox Machine	1	0.80	0.80	for Office Department
	TOTAL	1	0.80	0.80	

Grand Total

74.20

State Government Plan : Civil Works

Sr. No.	Name of Building	Estimated Cost	Amount Received	Expenditure	Proposed Budget 2018-19
1	ENTC Building (PWD)	829.72	20.00		400.00
2	Library (PWD)	764.19	17.36		400.00
TOTAL		1,593.91	37.36	-	800.00

State Government Plan : Library

Sr. No.	Particulars	Budget 2016-17	Amount Received	Expenditure	Proposed Budget 2018-19
1	Development of Library	-	-	-	2.00
2	Book Bank	-	-	-	2.00
3	Book Bank (SWBC)	-	-	-	4.00
TOTAL		-	-	-	8.00

State Government Non Plan

Sr. No.	Component	Budget 2017-18	Receipts	Expenditure up to 07.02.2018	Proposed Budget 2018-19
1	Salary	1309.23	866.46	1005.11	1,375.00
2	Travelling Expenses	2.40	-	4.16	5.00
3	Electric & Telephone & Water, Taxes	46.27	-	36.34	50.20
4	Contractual Services	42.00	-	133.98	154.08
5	PP & SS	10.80	-	-	-
TOTAL		1410.70	866.46	1179.59	1,584.28

5. Institute Level Funds:**a. Corpus Fund**

Sr. No.	Name of building	Details	Proposed Budget 2018-19
1	Extension (First floor) of PG Hostel	205.36 Sq m	41.07
2	Extension Concrete Technology Lab (G+1)	115.33 Sq m	41.00
3	Extension (First floor) of Jijau mess	269.90 Sq m	59.98
4	Extension of Automobile lab	308.50 Sq m	61.70
5	Extension (First floor) of C hostel mess	269.89 Sq m	59.00
6	Students Activity center - Phase I	As per plan	100.00
7	Architect fee	As per plan	60.00
8	Chemistry		4.50
9	Basket Ball Ground		10.00
10	Extension of Dean Academies		72.00
TOTAL			509.25

Institute Level Fund - Staff Development Fund (F2)

(Figures in Lakh)

Name of Department - Civil

Organizing STTP/ conferences/ qualification up gradation (Rs 1.5 lacs per STTP & Rs 4 lacs per National conference & Rs 6 lacs per International conference)

Civil

Sr. No.	Title of Conference/ STTP	Coordinator	Tentative Schedule	No of participants	Total Cost
1	One week STTP on "Management Capacity Enhancement"	Dr. M. N. Hedao	Jun-18	40	1.50
2	One week STTP on "Disaster management"	Prof. B. A. Konnur	Dec-18	40	1.50
Total					3.00

Deputation of Faculty/ Staff for Training, workshops and Conferences as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries (preferably in vacation)

Sr. No.	Name of Faculty/ Staff	Title of Conferences/ STTP	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	Atleast one STTP by each faculty	As per availability	May/Dec 18	Reputed Institute	1.00
2	Atleast one Conference by each faculty	As per availability	May/Dec 18	Reputed Institute	1.00
Total					2.00

Faculty exchange , twinning / networking

Sr. No.	Activity for faculty exchange, twinning/ networking	Purpose	Expected Outcomes	Total Expenditure
1	Faculty exchange , twinning networking	Collaborative Research	support students research	1.00
Total				1.00

Deputation for conferences within/ outside the country for paper presentation as per TNA only in accredited colleges/

Sr. No.	Name of Faculty/ Staff	Title of Conferences	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	Atleast one paper in Conference by each faculty	As per availability	May/Dec 18	Reputed Institute	1.00
Total					1.00

Details of teaching assistantships for the year 2018-19

Sr. No.	Class	No. of students	Activity to be assigned	Assistantship Amount	No. of Months
1	FY M Tech	10	Teching Asstt.	Rs. 8000/-	12
2	SY M Tech	6	Teching Asstt.	per Month	12
Total				1.68	

Grants for UG/PG projects, minor/ major projects etc.

Sr. No	Name of UG/ PG program	Finance per batch	No. of UG/ PG batches needing finance	Total
				(Figures in Lakh)
1	For UG project and PG Dissertation		As per requirement	3.00
Total				3.00

Grand Total of Civil

11.68

Name of Department - Mechanical

Organizing STTP/ conferences/ qualification up gradation (Rs 1.5 lacs per STTP & Rs 4 lacs per National conference & Rs 6 lacs per International conference)

Sr. No.	Title of Conference/ STTP	Coordinator	Tentative Schedule	No of participants	Total Cost
1	Mechatronics & IOT	Dr. S.P. Deshmukh	43252	40	1.50
2	Applcation of MATLAB in Engg.	Dr. S.P. Deshmukh	43282	40	1.50
3	Advanced FEM	Dr. S.P. Deshmukh	43435	40	1.50
4	Digital Manufacturing & 3D Printing	Dr. S.P. Deshmukh	Dec-2018.	40	1.50
Total					6.00

Deputation of Faculty/ Staff for Training, workshops and Conferences as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries (preferably in vacation)

Sr. No.	Name of Faculty/ Staff	Title of Conferences/ STTP	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	Dr. S. S. Mohite	MEMS, Condition Monitoring, Dynamics & Control, CFD, Management Capacity Development, Post Graduate Certificate in Senior Leadership	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	1.00
2	Dr. A. T. Pise	Enhanced Heat Transfer, Nano-materials, CFD, Management Capacity Development	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.50
3	Dr. R.K. Shrivastav	Refrigeration, cryogenics, HVAC, Management Capacity Development	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/AR AI	0.50
4	Prof. V. S. Jadhav	Vibration & dynamics	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.20
5	Prof. N. V. Sali	Fluid Power & Thermal Engg.	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.20
6	Prof. A. R. Acharaya	Heat Transfer, CFD	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.20
7	Prof. G. S. Dhende	Industrial Automootion & Robotics, CAD/CAM	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.20
8	Prof. Mrs. K. S. Gharge	Renewable energy, Thermal energy	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.20
9	Prof. Mrs. M. H. Yadav	Fixture design, Vibration, FEA, CMM	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.20
10	Dr. N. H. Deshpande	Production, Industrial Engg. Management	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.20
11	Prof. V. B. Raka	CAD, Machine Design	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.20
12	Prof. Mrs. S. S. Jadhav	Heat Power Engg.	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.20
13	Prof. S. M. Bhosale	Manufacturing Engg.	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.20
14	Prof. A. A. Sapkal	Heat Treatments, Material Science	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.20

15	Prof. V. H. Karande	Vibration & dynamics	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/AR AI	0.20
16	Dr. U.V. Pise	CAD & FFM, Optimisation Techniques, Vibration	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/AR AI	0.20
17	Dr. S.P. Deshmukh	Mechatronics, IOT	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/AR AI	0.20
18	Dr. L.P.Dhole	Pneumatic conveying systems, Optimisation Techniques,	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/AR AI	0.20
19	Prof. Patil S.H.	Vibration & dynamics	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/AR AI	0.20
20	Prof. P.R. Wani	Renewable energy, I. C. Engine	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/AR AI	0.20
Total					5.40

Faculty exchange, twinning/ networking				
Sr. No.	Activity for Faculty exchange, twinning/ networking	Purpose	Expected Outcomes	Proposed expenditure
1	Video Conferencing for Seminar Hall with 1 LED TV and network connectivity etc.	For Webinars of IIT/NIT/ reputed institute faculties	Faculty and students knowledge upgradation	1.00
2	Smart-Remote class room with 1 Laptop etc.	For Webinars of IIT/NIT/ reputed institute faculties	Faculty and students knowledge upgradation	5.00
3	2 LED TV's and network connectivity for each PG class rooms etc.	For Seminars of IIT/NIT/ reputed institute faculties	Faculty and students knowledge upgradation	2.00
Total				8.00

R &D proposals for the year 2017-18			
Consumable/ spares			
Sr No.	Details of consumable/ spare	Quantity	Cost in Lacs
1	Undergraduate Project components		0.25
2	Post Graduate Project components		0.40
Total			0.65

Matching Grants				
Sr No.	Name of Project	Sponsoring Organization	Grants Received in lacs	Expected matching grants from institute in Lacs
1	RPS-Microchannel Heat Sink by Prof. A.R. Acharya	AICTE	13.65	10.00
Total				10.00

Deputation for conferences within/ outside the country for paper presentation as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries					
Sr. No.	Name of Faculty/ Staff	Title of Conferences	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	Dr. S. S. Mohite	MEMS, Condition Monitoring, Dynamics & Control, CFD, Management Capacity Development, Post Graduate Certificate in Senior Leadership	As per scheduled by IIT/NIT/TEQIP funded institute	IIT/NIT	0.15
2	Dr. A. T. Pise	Enhanced Heat Transfer, Nano-materials, CFD, Management Capacity Development	As per scheduled by IIT/NIT/TEQIP funded institute	IIT/NIT	0.15
3	Dr. R.K.Shrivastav	Refrigeration, cryogenics, HVAC, Management Capacity Development	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/AR AI	0.15
4	Prof. V. S. Jadhav	Vibration & dynamics	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
5	Prof. N. V. Sali	Fluid Power & Thermal Engg	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
6	Prof. A. R. Acharaya	Heat Transfer, CFD	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
7	Prof. G. S. Dhende	Industrial Automation & Robotics, CAD/CAM	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
8	Prof. Mrs. K. S. Gharge	Renewable energy, Thermal energy	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
9	Prof. Mrs. M. H. Yadav	Fixture design, Vibration, FEA	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
10	Dr. N. H. Deshpande	Production, Industrial Engg.	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
11	Prof. V. B. Raka	CAD, Machine Design	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
12	Prof. Mrs. S. S. Jadhav	Heat Power Engg.	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
13	Prof. S. M. Bhosale	Manufacturing Engg.	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
14	Prof. A. A. Sapkal	Heat Treatments, Material Science	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
15	Prof. V. H. Karande	Vibration & dynamics	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/ARA	0.15
16	Dr. U.V. Pise	CAD & FFM, Optimisation T	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/ARA	0.15
17	Dr. S.P. Deshmukh	Mechatronics, IOT	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/ARA	0.15
18	Dr. L.P.Dhole	Pneumatic conveying systems,	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT/ARA	0.15

19	Prof. Patil S.H.	Design & Dynamics	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
20	Prof. P.R. Wani	Renewable energy, I. C. Engi	As per scheduled by IT/NIT/TEQIP funded institute	IIT/NIT	0.15
Total					3.00

Best project award		
Sr. No.	Year	Estimated Amount
1	FY BTech	0.02
2	SY BTech	0.02
3	TY BTech	0.02
4	Final BTech	0.02
Total		0.08

Details of teaching assistantships for the year 2017-18					
Sr. No.	Class	No. of students	Activity to be assigned	Assistantship Amount	No. of Months
1	F. Y. M. Tech Heat Power Engineering	5	Conducting Practicals and Assignments	Rs. 8000/- per Month	12
2	F. Y. M. Tech Production Engineering	5	Conducting Practicals and Assignments		12
3	S. Y. M. Tech Heat Power Engineering	5	Conducting Practicals and Assignments		12
4	S. Y. M. Tech Production Engineering	5	Conducting Practicals and Assignments		12
Total				19.20	

Grants for UG/PG projects, minor/ major projects etc.				
Sr. No	Name of UG/ PG program	Finance per batch	No. of UG/ PG batches needing finance	Total
				(Rs. in lacs)
1	F. Y. B. Tech	25	25	0.50
2	T. Y. B. Tech	15	15	1.50
3	BE	15	10	2.00
4	PG Heat Power Engineering	17	9	4.50
5	PG Production Engineering	12	7	3.50
6	Faculty In-house research	10	10	3.00
			Total	15.00

Grand Total of Mechanical

67.47

Name of Department - Electrical

Organizing STTP/ conferences/ qualification up gradation (Rs 1.5 lacs per STTP & Rs 4 lacs per National conference & Rs 6 lacs per International conference)

Sr. No.	Title of Conference/ STTP	Coordinator	Tentative Schedule	No of participants	Total Cost (in Lacs)
1	Engineering scientific computing with MATLAB	Prof.V.B.Waghmare	Two weeks	50	4.00
2	Engineering scientific computing with SCILAB	Prof.V.B.Waghmare	Two weeks	50	4.00
3	Ocative,SCILAB and GNU plot	Prof.V.B.Waghmare	Two weeks	50	4.00
4	National/International Conference	Dr.U.V.Patil	Two days	50	10.00
5	Power Electronics Application in power system	Prof.U.S.Patil	One Week	50	2.00
Total					24.00

Deputation of Faculty/ Staff for Training, workshops and Conferences as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries (preferably in vacation)

Sr. No.	Name of Faculty/ Staff	Title of Conferences/ STTP	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	All faculties from Electrical engg. Department	Industry 4.0	May-June 2018	Bosch-rexroth/L&T	10.00
2	All faculties from Electrical engg. Department	Smart Power grid	Jun-18	CPRI-Banglore	2.00
Total					12.00

R &D proposals for the year 2017-18

Consumable/ spares

Sr No.	Details of consumable/ spare	Quantity	Cost in Lacs	Justification
1	Power Semiconductor Devices (MOSFET,IGBT,SCR,Diode)	100	2.00	
2	Resistor,Inductor,Capacitor,Transformer,Ferrite cores,Hall effect (LEM)sensors,litz wires	100	3.00	
3	Battery,Solder gun,Consumable Electronics Components	20	1.00	
Total			6.00	

Best Project Award

Sr. No.	Year	Estimated Amount
1	FY BTech	0.02
2	SY BTech	0.02
3	TY BTech	0.03
4	Final BTech	0.03
Total		0.09

Grants for UG/PG projects, minor/ major projects etc.

Sr. No	Name of UG/ PG program	Finance per batch	No. of UG/ PG batches needing finance	Total
1	UG projects	20000	15	3.00
2	PG Projects	25000	10	2.50
Total			5.50	

Grand Total of Electrical

47.59

Name of Department - Information Technology

Organizing STTP/ conferences/ qualification up gradation (Rs 1.5 lacs per STTP & Rs 4 lacs per National conference & Rs 6 lacs per International conference)

Sr. No.	Title of Conference/ STTP	Coordinator	Tentative Schedule	No of participants	Total Cost
1	STTP	Prof. Y D Chavhan	Jun-18	40	3.00
2	STTP	Prof. N M Mule	Nov-18	40	1.50
3	STTP	Prof. P B Jawade	Dec-18	40	3.00
4	STTP	Dr. R. B. Kulkarni	As per availability time	40	1.50
5	International Conference	Dr. S J Wagh	Feb-19	40	10.00
Total					19.00

Deputation of Faculty/ Staff for Training, workshops and Conferences as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries (preferably in vacation)

Information Technology					
Sr. No.	Name of Faculty/ Staff	Title of Conferences/ STTP	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	Dr. S J Wagh	WSN, IoT, Internet Technology	May-June 2018, Nov-Dec-2018	IIT/NIT/ Govt. Engg College	0.50
2	Dr. R B Kulkarni	Web, Cloud , IoT, ARVR	May-June 2018, Nov-Dec-2018	IIT/NIT/ Govt. Engg College	0.50
3	Prof. N M Mule	Security, Image processing	May-June 2018, Nov-Dec-2018	IIT/NIT/ Govt. Engg College	0.20
4	Prof. Y. D Chavhan	Image processing	May-June 2018, Nov-Dec-2018	IIT/NIT/ Govt. Engg College	0.20
5	Prof. B S Yelure	Wireless Adhoc Network	May-June 2018, Nov-Dec-2018	IIT/NIT/ Govt. Engg College	0.20
6	Prof. K N Tayade	Wireless Adhoc Network,	May-June 2018, Nov-Dec-2018	IIT/NIT/ Govt. Engg College	0.20
7	Prof. A B Chaudhari	Data Analytics	May-June 2018, Nov-Dec-2018	IIT/NIT/ Govt. Engg College	0.20
8	Prof. P B Jawade	DBMS	May-June 2018, Nov-Dec-2018	IIT/NIT/ Govt. Engg College	0.20
9	Prof. N R Shetty	Cloud, Network Security	May-June 2018, Nov-Dec-2018	IIT/NIT/ Govt. Engg College	0.20
10	Prof. C V Andhare	Image processing, Security	May-June 2018, Nov-Dec-2018	IIT/NIT/ Govt. Engg College	0.20
Total					2.60

Deputation for Qualification up gradation				
Sr No.	Name of Faculty/ Staff	Qualification	University/ Institute for deputation	Total fees for 2017-18
1	Prof. K N Tayade	PhD		0.75
2	Prof. P B Jawade	PhD		0.50
Total				1.25

Faculty Award		
Information Technology		
Sr. No.	Name of Award	Proposed expenditure in lacs
1	Best Faculty Award	0.20
Total		0.20

R & D proposals for the year 2018-19				
Consumable/ spares				
Sr No.	Details of consumable/ spare	Quantity	Cost in Lacs	Justification
1	Mongo DB and Server: Primary / Secondary Nodes PowerEdge R620 PowerEdge R220 Processor (2) Intel Xeon E5-2643 v2 3.5GHz, 6-core (1) Intel Xeon E3-1220 v3 3.1GHz, 4- core Memory 256GB, Local Storage 146GB 15K SAS 800GB, Storage Controller PERC H710P PERC H310 Networking.	1	20.00	To setup National Database of Engineers in India. To study NoSQL databases which is useful for students to get job.
Total			20.00	

Deputation for conferences within/ outside the country for paper presentation as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries					
Sr. No.	Name of Faculty/ Staff	Title of Conferences	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	Dr. S J Wagh	WSN, IoT, Internet Technology	As per availability	As per TNA	0.50
2	Dr. R B Kulkarni	Cloud , IoT	As per availability	As per TNA	0.50
3	Prof. N M Mule	Security, Image processing	As per availability	As per TNA	0.50
4	Prof. Y D Chavhan	Image processing	As per availability	As per TNA	0.50
5	Prof. B S Yelure	Wireless Adhoc Network	As per availability	As per TNA	0.50
6	Prof. K N Tayade	Wireless Adhoc Network	As per availability	As per TNA	0.50
7	Prof. A B Chaudhari	Data Analytics	As per availability	As per TNA	0.50
8	Prof. P B Jawade	DBMS	As per availability	As per TNA	0.50
9	Prof. N R Shetty	Cloud, Network Security	As per availability	As per TNA	0.50
10	Prof. C V Andhare	Image processing, Security	As per availability	As per TNA	0.50
Total					5.00

Best Project Award		
Sr. No.	Year	Estimated Amount
1	FY BTech	0.10
2	SY BTech	0.10
3	TY BTech	0.10
4	Final BTech	0.20
Total		0.50

Details of teaching assistantships for the year 2018-19						
Sr. No.	Class	No. of students	Activity to be assigned	Assistantship Amount	No. of Months	Total in Lacs
1	FY MTech	6	Academic Load	Rs 8000/- per Month	12	5.76
2	SY MTech					
Total						5.76

Grants for UG/PG projects, minor/ major projects etc.				
Sr. No.	Name of UG/ PG program	Finance per batch	No. of UG/ PG batches needing	Total
1	Information Technology UG	0.2	10	2.00
Total				2.00

Grand Total of Information Technology	56.31
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Name of Department - Electronics & Telecommunication

Organizing STTP/ conferences/ qualification up gradation (Rs 1.5 lacs per STTP & Rs 4 lacs per National conference & Rs 6 lacs per International conference)

Sr. No.	Title of Conference/ STTP	Coordinator	Tentative Schedule	No of participants	Total Cost
1	Digital Signal Processors	Dr. P. M. Joshi	Jun-18	40	2.00
2	FPGA applications	Dr. P. M. Joshi	Nov-18	40	2.00
Total					4.00

Deputation of Faculty/ Staff for Training, workshops and Conferences as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries (preferably in vacation)

Sr. No.	Name of Faculty/ Staff	Title of Conferences/ STTP	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	Dr. P. M. Joshi	DSP and FPGA in Power Systems	Dec-18		0.25
Total					0.25

R & D proposals for the year 2018-19			
Consumable/ spares			
Sr No.	Details of consumable/ spare	Quantity	Cost in Lacs
1	Minor Project consumables	LS	5.00
2	Major Project Consumables	LS	5.00
3			
Total			10.00

Best project award		
Sr. No.	Year	Estimated Amount
1	FY BTech	0.05
2	SY BTech	0.10
3	TY BTech	0.20
4	Final BTech	0.50
Total		0.85

Grants for UG/PG projects, minor/ major projects etc.				
Name of Dept.: Electronics and Telecommunication Engineering Department				
Sr. No	Name of UG/ PG program	Finance per batch	No. of UG/ PG batches needing	Total
1	UG	0.1	25	2.50
Total				2.50

Grand Total of ENTC	17.6
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Name of Department - Applied Mechanic
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Deputation of Faculty/ Staff for Training, workshops and Conferences as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries (preferably in vacation)					
Sr. No.	Name of Faculty/ Staff	Title of Conferences/ STTP	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	U L Deshpande	Structural Engineering	May-June 2018	IIT/NIT/Conference	0.50
2	V M Bogar	Structural Engineering	May-June 2018	IIT/NIT/Conference	0.50
Total					1.00

Deputation for Qualification up gradation

Name of Dept:Applied Mechanics

Sr.No.	Name of Faculty / Staff	Qualification	University/ Institute for Deputation	Total fee for 2018-19
1	V M Bogar	PhD	COE, Pune	0.50
Total				0.50

Deputation for conferences within/ outside the country for paper presentation as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries					
Sr. No.	Name of Faculty/ Staff	Title of Conferences	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	U L Deshpande	Structural Engineering	May-June 2018	IIT/NIT/Conference	0.25
2	V M Bogar	Structural Engineering	May-June 2018	National / International Conference	0.25
Total					0.50

Details of teaching assistantships for the year 2018-19						
Sr. No.	Class	No. of students	Activity to be assigned	Assistantship Amount	No. of Months	Total Expenditure
1	FY M Tech	7	lectures/practicals/testing and consultancy	Rs. 8000/- per month	10	5.60
2	SY M Tech	6	lectures/practicals/testing and consultancy	Rs. 8000/- per month	4	1.92
Total						7.52

Grants for UG/PG projects, minor/ major projects etc.				
Sr. No	Name of UG/ PG program	Finance per batch	No. of UG/ PG batches needing finance	Total
1	Civil Engineering	20000	3	0.60
2	Structural Engineering	50000.00	10	5.00
Total				5.60

Grand Total of APM	15.12
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Name of Department - MCA

Organizing STTP/ conferences/ qualification up gradation (Rs 1.5 lacs per STTP & Rs 4 lacs per National conference & Rs 6 lacs per International conference)					
Sr. No.	Title of Conference/ STTP	Coordinator	Tentative Schedule	No of participants	Total Cost
1	STTP on Computer Vision, Image analysis and Signal Processing	Prof. M. D. Malkauthekar	October - November - 2018	40	2.00
2	National Conference on ICT and E-Governance	Prof. L. L. Kumarwad Prof.B.S.Patil	Dec-18	300	4.00
3	National Conference on ICT and E-Governance	Prof.P.P.Shinde	Jan-19	100	4.00
Total					10.00

Deputation of Faculty/ Staff for Training, workshops and Conferences as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries (preferably in vacation)					
Sr. No.	Name of Faculty/ Staff	Title of Conferences/ STTP	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	Prof. P. C. Shetiye	Conferences/ STTP	April-2018 to March 2019	Reputed Industry/ Institute	0.20
2	Prof. B. S. Patil	Conferences/ STTP	April-2018 to March 2019	Reputed Industry/ Institute	0.20
3	Prof. M. D. Malkauthekar	Conferences/ STTP	April-2018 to March 2019	Reputed Industry/ Institute	0.20
4	Prof. L. L. Kumarwad	Conferences/ STTP	April-2018 to March 2019	Reputed Industry/ Institute	0.20
5	Prof. P. P. Shinde	Conferences/ STTP	April-2018 to March 2019	Reputed Industry/ Institute	0.20
Total					1.00

Deputation for Qualification up gradation				
Sr No.	Name of Faculty/ Staff	Qualification	University/ Institute for deputation	Total fees for 2017-18
1	Prof. M. D. Malkauthekar	Ph.D	SRTM University, Nanded	0.25
2	Prof. L. L. Kumarwad	Ph.D	Shivaji University	0.08
3	Prof. P. P. Shinde	Ph.D	Shivaji University	0.16
Total				0.49

Faculty exchange, twinning/ networking				
Sr. No.	Activity for Faculty exchange, twinning/ networking	Purpose	Expected Outcomes	Proposed expenditure
1	ITES/ICT	to study different projects on E-Governance Area	Digitization, projects for students, and service to society	1.00
2	E-Governance	to study different projects on E-Governance Area	Digitization, projects for students, and service to society	1.00
3	Soft Computing	to study different projects on Soft Computing Area	Digitization, projects for students, and service to society	1.00
Total				3.00

Grand Total of MCA	14.49
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Name of Department - Physics

Organizing STTP/ conferences/ qualification up gradation (Rs 1.5 lacs per STTP & Rs 4 lacs per National conference & Rs 6 lacs per International conference)

Sr. No.	Title of Conference/ STTP	Coordinator	Tentative Schedule	No of participants	Total Cost
1	Recent Trends in Nanomaterials for Engineering and Technology	Dr. S. A. Patil	01-Dec-18	30	1.50
Total					1.50

Deputation of Faculty/ Staff for Training, workshops and Conferences as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries (preferably in vacation)

Sr. No.	Name of Faculty/ Staff	Title of Conferences/ STTP	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	Dr. S. A. Patil	National /International Conferences	May-18	University/II T/NIT	0.10
		STTP/FDP/workshop	May-18		0.10
Total					0.20

Grand Total Physics	1.70
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Name of Department - Maths

Organizing STTP/ conferences/ qualification up gradation (Rs 1.5 lacs per STTP & Rs 4 lacs per National conference & Rs 6 lacs per International conference)

Sr. No.	Title of Conference/ STTP	Coordinator	Tentative Schedule	No of participants	Total Cost
1	Contemporary Approaches of Applied Mathematics in Science and Engineering	Dr. V. S. Patil	Second or Third week of Dec.	30	1.50
Total					1.50

Deputation of Faculty/ Staff for Training, workshops and Conferences as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries (preferably in vacation)

Sr. No.	Name of Faculty/ Staff	Title of Conferences/ STTP	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	Dr. V. S. Patil			IIT/NIT	0.30
2	Prof. S. M. Shinde			IIT/NIT	0.20
3	Prof. U. V. Kanade			IIT/NIT	0.20
Total					0.70

Deputation for conferences within/ outside the country for paper presentation as per TNA only in accredited colleges/ NIT/ IIT/ reputed Industries

Sr. No.	Name of Faculty/ Staff	Title of Conferences	Tentative Schedule	Name of Institute/ Industry	Approximate Expenditure
1	Dr. V. S. Patil	Proposed Two Paper presentations at national conference in the academic year		Any Reputed Institute	0.20
Total					0.20

Grand Total Maths 2.40

Grand Total Of All Departments 234.36

Institute Level Fund - Equipment Replacement

(Figures in Lakh)

a. Equipment Replacement Fund : (For Equipment)

Name of Department - Civil Engineering

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Bernoulli's Apparatus- Test section: material acrylic (one piece). 1. Piezometer tubes: material 2. Inlet tank: capacity 20 ltrs. 3. Tanks will be made of stainless steel.	1	0.60	0.60	For UG practicals
2	Reynolds Number Apparatus- 1. Glass Tube Transparent- 25 mm O. D. of suitable length 2. Supply Tank, and Dye Tank with Dye Needle 3. Flow Control Valve 4. Measuring Flask and Stop Cock for flow measurement for conventional and recirculating type 5. Sump Tank and Recirculating Pump for recirculating equipment.	1	0.40	0.40	For UG practicals
3	Metacentric Height Apparatus- Pontoon: Size 300 x 150 mm (Approx.) with a Horizontal Guide Bar for sliding weight. Material : Stainless Steel Pontoon Water Tank : Size 600 x 400 x 400 mm (Approx.) Front Window of Tank : made of Glass/Perspex A set of weights is supplied with the apparatus. The whole Set-up is well designed and arranged in a good quality painted Structure	1	0.50	0.50	For UG practicals
4	Tilting Flume Apparatus- Multipurpose Digital Tilting Flume- 6m	1	8.00	8.00	For UG practicals

5	Interactive White fixed Board: (SMART Board)-Size- Diagonal 80” •Easy click to imitate mouse functions and activate mode • Classes can be saved in 8 different formats like (pdf, Doc, Ppt, xls, .Cdf,.cdp, Jpeg, Html) • Classes can be broadcasted through conference option with the help of internet, • Raptor Board providing the hardware and software both by its own. • Any 3D shapes or 2D shapes can be easily drawn. • From the pen front button to select or move page, the back one to write or erase. • The functions of each button can be customized. • Write smoothly even the pen leaned in any direction.	1	0.50	0.50	For smart room (Digital Class room)
6	Visualizer- Specifications- Auto/manual focus, auto aperture, 800,000 pixels, 600TV lines, 3)Auto/manual white balance, W/B,negative/positive, rotate, text, Brightness modulation, freeze multimedia functions, 4)LED illumination and AV / VGA port input/output. 5)Visualiser can be controlled through Control Panel, Remote controller and RS-232 control	1	0.50	0.50	For smart room (Digital Class room)VISUALIZER for display of objects, books, printed materials with help of Projector / Plasma Screen.
7	Electronic Podium- 1) Portable Podium with built-in 60W Amplifier. 2)2 Nos. Cordless Hand held Microphone and Receiver with Built-in three Speakers. 3)Built-in Goose Neck Mike, Built-in Podium Reading Light 4)Can connect to external Amplifier and Speakers 5)Can handle up to 400 – 450 Audience	1	0.35	0.35	For smart room (Digital Class room)
8	Public Address System (Handed Trolley)- •Wireless Bluetooth Trolley Speaker. •Professional treble & bass gain controlling circuit Built-In professional wireless microphone system Built-in MP3 encoding support Connection Type:Bluetooth, USB ,FM Radio,TF card, Aux In Port, MicIn •Compatible with DVD/PC and other sound source • Intelligent power switch charging circuit • User friendly Trolley • 8 Meters Operating Range , Upto 4.5 Hours of Playback •Total Output 60W RMS • Controls: Volume, Mode and Track Controls •Two Wireless Mics & Remote included in box •Product Size: 31 x 26.5 x 49 cm	1	0.20	0.20	For smart room (Digital Class room)

9	Portable PA System- 1) Portable Podium with built-in 20W Amplifier. 2) 1 Nos. Cordless Hand held and Receiver with Built-in 1 Speakers. 3) Can handle up to 40 – 50 Audience	1	0.07	0.07	For smart room (Digital Class room)
10	ISRO Feast software-Finite Element Analysis of Structures)	1	2.70	2.70	It includes the study of various areas like Fluid Dynamics, Visco Elastic analysis, thermoelasticity and Buckling analysis (For UG and PG dissertations)
11	Learning resources in Civil Engineering-	1	0.50	0.50	For Effective Teaching and learning process
12	flash and fire point apparatus- ASTM D 92, IP 36 Open cup. Heating air bath with temperature controller and gas regulator. Test assembly with oil cup, gas ignition device & lifting handle for oil cup. Power supply : 230 V, 1 Phase, 50 Hz	1	0.35	0.35	Multiple numbers required in lab than existing (During practical exam)
13	Hot Air Oven - 30 Liter Standard The gap between the walls is filled with-special grade glass-wool for heat insulation Dimension: size 12"X12"X12"	1	0.20	0.20	For UG practicals
14	Softening Point Apparatus The apparatus consist of Glass beaker of heat resistant glass of internal dia 8.5 cm X 12 cm depth (approx.), Two steel balls each of 9.5mm dia. with stand and stirrer etc	1	0.15	0.15	Multiple numbers required in lab than existing (During practical exam)
15	Standard Penetrometer 1203, IS 310 (Part II). For testing a wide variety of such as grease, bitumen, tar , wax, polish, food stuffs, rubber, asphalt and	1	0.20	0.20	Multiple numbers required in lab than existing (During practical exam)
Total		15	15.22	15.22	

Name of Department - Mechanical Engineering

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Printers(Preferably having duplex printing facility)	7	0.2	1.40	Upgradation of CAD/CAM Lab
2	LCD Projector	2	0.20	0.40	
3	Laptop	5	0.7	3.50	
4	IOT kits	1	1	1.00	
5	WITNESS Simulation Software	1	5	5.00	UG Ind. Engg. PG Production, Desine Engg.
6	1.5 tons split air conditioner	5	0.35	1.75	Old w/off CAD-CAM lab, EDM , Spark Spectrometer.
7	Power Plant Simulator Software	1	6	6.00	FTM Lab
8	CUT PRO -V9	1	1	1.00	CIM lab
9	Displacement transmissibility test bench	1	2.5	2.50	Vibration Lab
10	Force transmissibility test bench	1	2.5	2.50	
11	Coupled Pendulum	1	0.1	0.10	
12	3-Rotor system	1	0.3	0.30	
13	Logarithmic decrement of torsional vibration	1	0.3	0.30	
14	Pin fin Experimental set up	1	0.5	0.50	Heat transfer Lab
15	Unsteady heat transfer experiment set up	1	0.5	0.50	
16	Electronic Weight balance 2kg capacity 0.01gm least count	1	0.05	0.05	Thermodynamics Lab
17	Electronic Weight balance 25kg capacity with 1gm least count	1	0.05	0.05	Meta lab
18	Fire Extinguisher	6	0.1	0.60	for Safety (All dept.)
19	DI Water plant	1	0.25	0.25	For EDM Machine
20	Friction & Wear performance tester	1	5	5.00	For PG design
21	Lubricity test machine	1	3	3.00	For PG design
22	Air Bearing Rig	1	5	5.00	For PG design
23	Teaching aids, equipments, software tools, charts, models and other such items as per new curriculum, proposed PG-Design course, CBCS implementation, etc.	1	20	20.00	Items as per new curriculum, proposed PG-Design course, CBCS implementation,
Total		43	54.6	60.70	

Name of Department - Electrical Engineering

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Rectifire 100 AMP 220 V/230V DC	1 NOS	3.00	3.00	These are advanced equipments required for experimentation and laboratory prototype development, testing purpose for UG, PG, and Research Scholars. At present there are no such equipments available in the department / laboratory. Last purachaes 1972
2	Analog DC ampmeterI) 0-100 micro amp II)0-50 mili amp III) 0-250 mili amp IV) 0-5 amp	05 nos each	0.05	1.00	These are advanced equipments required for experimentation and laboratory prototype development, testing purpose for UG, PG, and Research Scholars. At present there are no such equipments available in the department / laboratory.
3	Analog Dc Voltmeter I) 0-50 v II) 0-100v II) 0-500v	05 nos each	0.05	0.75	These are required as interface, measurement and feedback kits with sr. no. 2 above. At present threere are no such kits available in the department / laboratory.
4	Analog AC ampmeter I) 0-1A II) 0-5A III) 0-10 A	05 nos Each	0.05	0.75	This is required to observe and store the variouspower frequency-power experimental waveforms, project testing etc. for UG, PG students and research scholars. At present such equipment is not available in the department / laboratory.
5	AC Voltmeter I) 0-50 v II) 0-500v	05 nos each	0.07	0.70	This is required with sr. no. 4 above for measurement, and observation of high voltages and isolation purpose. At present such equipment is not available in the department / laboratory.
6	AC DC wattmeter I) 5A-10A with 50 v 100v 250v II) 10A-20A with50 v 100 v 250v	02 Nos each	0.10	0.60	This is required with sr. no. 4 above for measurement, and observation of high current and isolation purpose. At present such equipment is not available in the department / laboratory.
7	Hydro Turbine Energy	02 nos	0.60	1.20	This is required for electrical drive laboratory for UG students, project experimentation for UG, PG students and research scholars. At present such equipment is not available in the department / laboratory.

8	Solar Tracking System	01 nos	0.80	0.80	This is required for electrical drive laboratory for UG students, project experimentation for UG, PG students and research scholars. At present such equipment is not available in the department / laboratory.
9	Solar PV Module Analyzer	01 nos	0.30	0.30	This is required with sr. no. 7 and 8 above for experimentation purpose. At present such equipment is not available in the department / laboratory.
10	P.M.S.M. drive with eddy current load:220v AC,3.69A,2.2NM,1.1HP,4 pole,4600 rpm,3-phase sinusoidal,With DSP-2812/28335 based, Intelligent power module & necessary protections	1 NOS	3.00	3.00	This is required for electrical drive laboratory for UG students, project experimentation for UG, PG students and research scholars. At present such equipment is not available in the department / laboratory.
11	S.R.M. drive with eddy current load:380v DC,3A,1HP,8/6 pole,3700 rpm,4-phase, With DSP-2812/28335 based, Intelligent power module & necessary protections.	1	3.00	3.00	This is required for electrical drive laboratory for UG students, project experimentation for UG, PG students and research scholars. At present such equipment is not available in the department / laboratory.
12	Matlab software	25 user	10.00	10.00	<ul style="list-style-type: none"> • 8 courses in the curriculum offer computer based lab work(practicals). • 50% of the computers are more than 7 years old. • More no of teaching & non teaching staff appointed. Computer has to be given to them.
13	PLC	1	2.00	2.00	<ul style="list-style-type: none"> • Projector required for PG class room. • Additional projectors required for presentation at HOD cabin and computer lab for seminar/ M.Tech Via-va
14	Working kit to study principle of Oil Circuit Breaker and to test the OCB, Specifications :Capacity 11KV,Type Draw out Type Rated Current 400A,Rated Voltage 415V, 3 Phase, 50HZ,Rated Insulated Voltage 690 V,Rated S.C Breaking 36.6 KA,No. of Pole Three Pole,Housing: The OCB housed in M.S. Cubicle box with conduit plugs provided with side entry of cables. Provision for termination of contacts made inside the cable box	1	5.00	5.00	Oil Circuit Breaker is a commonly used instrument in industry. Students will be familiar with working of OCB in laboratory. Hands on practice will boost confidence of students.
15	RTDS(Real Time digital Simulator)	1	2.00	2.00	For Center of Excellence
16	Power guard	5	0.03	0.13	Revision of syllabus under autonomy for SY & TY(Btech)
17	single phase multifunction appliance meter	10	0.04	0.18	

18	Mili ohmmeter	1	0.70	0.70	
19	Transformer turns ratio meter	1	1.75	1.75	
20	Moving coil Educational desk stand meter	10	0.01	0.60	
21	Solar module analyser	1	3.00	3.00	
22	Thermal imaging camera	1	1.50	1.50	
23	phase diffrence and frequency trainer	2		0.10	
24	machaine desine		15.00	15.00	
25	LVDT trainer	3	0.25	0.75	
26	flow rate by aenometer	2	0.35	0.70	
27	loadcell Trainer	3	0.20	0.60	
28	starin gague	3	0.20	0.60	
29	Trainer kit suitable to measure the tempture	1	0.40	0.40	
30	Calobration voltmeter and ampmeter	1	0.30	0.30	
31	Inductive load bank	2	0.50	0.48	
32	Measurment of voltge current resistance by potentiometer	2	0.50	1.00	
33	capacitive load bank	2	0.56	1.11	
34	3 phase dimmer	2	0.43	0.85	
35	Resistive load bank	2	0.12	0.24	
36	Trainer kit of Diode	2	0.30	0.60	
37	Trainer kit of BJT	2	0.25	0.50	
38	all in one printer	2	0.20	0.40	
39	Desktop Computer	10	0.50	5.00	<ul style="list-style-type: none"> • 8 courses in the curriculum offer computer based lab work(practicals). • 50% of the computers are more than 8-9 years old. • More no of teaching & non teaching staff appointed. Computer has to be given to them.
40	Trainer kit of MOSFET	2	0.25	0.50	
41	Trainer kit of IGBT	2	0.25	0.50	
42	Trainer kit of SCR	2	0.25	0.50	
43	Clamp On Meter 100mA-100A	2	0.07	0.14	
44	Clamp On Meter 1A-200A	2	0.08	0.16	
Total		84	57.9875	72.39	

Name of Department - Information Technology

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Windows 2012 server OS: Full OEM Version of Windows Server 2012 Standard Edition, 64-bit Simplified management console and clustering included Deduplication: Reduce wasted storage automatically Virtualization: Run up to two virtual machines on up to two CPUs	1	0.7	0.70	For performing Practicals of BTech as per new Autonomy curriculum.
2	Wacom Interactive Pen Display Screen Sixe: 15.6” Screen Resolution: 1366x768 (WXGA) Color Depth : 16.77 million color Contrast Ratio: 400:1 Video Interface: DVI-I video in/out Accessories: Pen with reaser, two customizable buttons	2	5	1.00	To setup digital classroom and enhance teaching learning.
3	Cloud Lab			1.00	To prepare institutional cloud
4	IOT Lab			15.00	Data Analytics for Water management & electricity management of total institute.
5	Digital Classroom Setup: Interactive Whiteboard, ViewSonic PJD5353LWS Short Throw XGA 3200 Lm, Projector, Wall Mount Kit for Projector, HDMI Cable for Projector 5M, Speakers 2.1 with 1-Year Warranty	2	1	2.00	To setup digital classroom and enhance teaching learning.
6	New Laboratory for PG: Desktop computers-18 (Inteli5, 8 GB RAM, 1TB HDD, DVD R/W drive, 18 Monitor, Optical mouse, keyboard)	20	0.5	10.00	New PG course is starting in the department from Academic year 2018-19. As per requirments of AICTE to setup PG Lab
7	Networking of proposed PG Lab	20	1	1.00	To setup & configure networking infrastructure for proposed PG Lab
8	Laptop- Processor:Intel core i5, 2.3 GHz, RAM 8GB DDR4 2133, HDD 1TB, Graphics coprocessor, card reader, display 15.6 inch.	5	0.6	3.00	To faculties for Course preparation & effective Teaching learning process
9	Visual Studio Professional 2015 software	1	0.35	0.35	For performing Final Year BTech and Mini-Project work
10	Data Recovery Software	1	0.06	0.06	To recover lost data in case of System Crash
11	Scanner:Flatbed with transparent materials adapter (TMA), 303 x 5088 x 108 mm, Scanning element:Charged-coupled device, USB 2.0 Hi-Speed, 4800 x 9600 dpi hardware resolution	2	0.15	0.30	Departmental office work
12	Wireless Speaker Amplifier	2	0.25	0.50	Classroom / Presentation
13	Digital Note Recorder + MyScript Software	3	0.15	0.45	To make digital recording of meeting and course preparation.
14	Wall Fan/ Pedestal Fan	5	0.03	0.15	Proper air circulation in Faculty cabin.

15	NetSim Standard Version(Research) Network Simulation Software: Component 1 - Internetworks, Component 2 – Legacy Networks, Component 3 – BGP Networks, Component 4 – Advanced Wireless Networks (MANET, Wi-Max), Component 5 – Cellular Networks: GSM and CDMA, Component 6 – Internet of Things, Component 7 – Cognitive Radio Networks, Component 8 – LTE and LTE-Advanced Networks, Component 9 – Vehicular Adhoc Networks, Network Emulator (Add On)	1	7.5	7.50	For performing simulation based practicals for Wireless Mobile communication and Computer communication Network subjects of BTech / Mtech. Useful for faculty research work.
16	LED touch screen display board / Monitor	1	4.5	4.50	To display notices remotely
17	LCD/LED Projector: Features & Score (view all)Type: XGADevice Chipset: DLPLamp Life : 2000 hrs and BelowBrightness : 2501 – 3000 lmResolution: 1024 x 768 pRemote Control: YesLamp: 190WContrast Ratio: 4,000:1 HzPower Consumption(Active Mode): 218 W	2	0.5	1.00	For teaching learning in classroom, Guest lectures, Presentations
18	CC TV Monitoring System in the department	1	3.5	3.50	For the security purpose.
19	Multifunction Laser Printer: Duplex Print auto, Print Speed Mono 20ppm, Duty cycle (monthly, A4) 8000 pages,Max Print Resolution (Mono)-1200 x 1200 dpi, Optical scanning resolution-1200dpi	5	0.15	0.75	Departmental Work
Total		74	25.94	52.76	

Name of Department - Electronics & Telecommunication

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	MATLAB Latest Version	25 Licences	15	15.00	Latest Version required as
2	dSPACE Platform	1	15	15.00	New Technology
3	MPLAB/ATMEGA IDE with all Hardware tools	5	1	5.00	For Project Work
4	LabVIEW Professional Development system	20 Licence	7	7.00	For virtual simulation
5	Beagle Bone Enhanced Board (Processor AM 3358)	10	0.05	0.50	Advance Technology
6	xilinx FPGA Spartan III E Family Trainer Kit (XE 3X400)	10	0.15	1.50	For HDL subject
7	FPGA Development Board (XE 3X 400)	10	0.15	1.50	For HDL subject
8	Virtex (Z board) Development Board	10	0.45	4.50	For HDL subject
9	ZYBO With accessories	10	0.45	4.50	For HDL subject
10	DSO	10	0.5	5.00	Required for EDC and AIC Lab
11	Windows 7 Lic. Copies	10	0.15	1.50	
12	LCR Meter	5	0.2	1.00	For BE Subject
13	Universal IC tester	4	0.25	1.00	For BE and EDC
14	CAD-FECO Software	5	1	5.00	For A&WP
15	Motorized Antenna Trainer	2	1.25	2.50	For A&WP
16	Laboratory Kits for Digital Communication	5	0.45	2.25	For Communication Practicles
17	Digital Circuit Development Platform	5	0.15	0.75	For DE
18	DS Processors from TI/Microchip	10	0.5	5.00	
	Total	112	43.7	78.50	

Name of Department - Applied Mechanics

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Black Board	1	25000	0.25	Existing board is not having graph and also not working properly
Total		2	25000	0.25	

Name of Department - Master of Computer Application

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Desktop Computer	40	0.5	20.00	For New research based Soft computing lab-10 and Computer graphics lab 30 against write off
2	SIM808 GSM+ GPRS+GPS Cellular Module SIM808 5 11000 Cellular Module for Data communication	20	0.022	0.44	For New Laboratory in the area of IOT to be developed under autonomous curriculum of TYMCA
3	Scanner	6	0.05	0.30	For scanning of Documents
4	Statistica Data Miner Tool	1	5	5.00	For Software Development Project Laboratory
5	Laptop	5	0.7	3.50	for department staff use
6	Printer	5	0.2	1.00	For Network Laboratory
7	Antivirus software	100	0.008	0.80	For New lab under Autonomous curriculum of TYMCA
Total		177	6.48	31.04	

Name of Department - Workshop

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Bench Grinder	1	0.2	0.20	We have only one machine which is not enough to work required for fitting section
2	Hydraulic Power hack saw machine:- Cutting Range at 900, Round mm 250 ,Saw Blade Dimensions-400 x 36 x 2	1	0.75	0.75	required to cut the material in fitting section.
3	4" Fitting vice	4	0.025	0.10	used for Pattern making & carpentry section for practicals.
4	<p>Bosch Electrician Kit GSB 550-Watt Impact Drill Kit (Blue, 77-Pieces),</p> <p>Robust and compact 550W impact drill with digital multimeter, electrical power tester, insulation tape, cutter and plier to enable you work on all your electrical fixing.</p> <p>Key features of drill- Robust 13mm keyed metal chuck and auxiliary handle with depth gauge , Dual mode functionality drilling/impact drilling, Electronic various speed trigger and trigger lock for continuous working</p> <p>Robust and powerful 550 watts motor, No load speed of 0-2800rpm;Impact rate of 0-41800bpm</p> <p>Drilling capacity in concrete is 13mm and in wood is 10/25mm, Ergonomically slim and compact design</p> <p>Includes 80 accessories - 4-Pieces Masonry Drill Bits, 4-Pieces Wood Drill Bits, 30-Pieces Screws, 30-Pieces Wall Plugs, 1-Piece Screw Driver Set, 1-Piece Multimeter, 1-Piece Electrical Power Tester, 1-Piece Insulation Tape, 1-Piece Cutter, 1-Piece Hammer and 1-Piece Plier</p> <p>Drill Wattage: 550 watts</p>	1	0.15	0.15	This tool kit is very much essential for electrician to repair/ maintenance of machines in workshop as well as electrical maintenace in the institute.
Total		7	1.125	1.20	

Name of Department -Physics

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Air Conditioner (1.5 tonn ,auto restrart, 5 stars rating, 3M microprotection filter, E saver mode, Rotary compressor, noise level indoar 36 DB.)	1	0.5	0.50	For safety of TGDTA and FTIR equipment in Nanotechnology Lab
2	Newton's Ring apparatus (Type- Plano - covex, Diameter 6cm Microscope- Magnification: 30 X , Least count :0.001cm)	2	0.2	0.40	For First Year B.Tech.Practical
3	Michelson Interferometer (Base dimension :290X212X168, mirrors 30mm dia, thickness 10mm , Least count :0.0001 mm, with He - Ne Laser source, Laboratory Jack, Object screen and cylindrical Base)	2	0.5	1.00	For First Year B.Tech.Practical
4	Table Top experiment for measurement of speed of light	2	0.1	0.20	For First Year B.Tech.Practical
5	Furnace (6" x 6" x 6", 3.6L approx with swing aside door at the front. Temp range - 1200 0CThe temperature controller should be a PID automatic control power control and. programmable with necessary safety features.A12O3 Sample Plate 1 pcs A12O3 Furnace Door Block 1 pcs Protection Glove 2 pairs Crucible Clip 1 pair Crucibles 6 pcs	1	1	1.00	Use to sinter or anniling the metal oxide thin film of alumina substrate, Glass substrate, Quartz substrate, FTO substrate at different temperature for different characterizatio
Total		8	2.3	3.10	

Name of Department - Chemistry

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	X ray diffraction spectroscopy	1	2500000	25.00	For development of research Lab - For characterisation of samples prepared in nanotechnology lab
2	High Performance liquid chromatography	1	900000	9.00	For development of research Lab - For analysis of samples prepared in nanotechnology lab and others
3	Chemical Balance	1	40000	0.40	For development of Laboratory
Total		3	3440000	34.40	

Name of Department - Dean Office

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	LCD Projector	1	0.5	0.50	For Meetings
2	Punching Machine	5	0.008	0.04	Heavy Duty for Big size Punch
3	Desktop computers	6	0.4	2.40	Paper Assessment, Result Processing, Record Maintaining and day to day Office work
4	Heavy Duty Scanner	1	0.4	0.40	
5	Printer small	2	0.1	0.20	
	Total	15	1.408	3.54	

Name of Department - Office

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Laptop	1	1	1.00	For Office and Meeting
2	Printer All in One	4	0.5	2.00	For Office Staff
3	Computer	3	0.5	1.50	For Office Staff
4	Server	1	2	2.00	For Tally
	Total	9	4	6.50	

Grand Total

359.60

Institute Level Fund - Equipment Replacement

B .Equipment Replacement Fund : (For Furniture)

Name of Department - Civil Engineering

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Steel cupboards with lock and key arrangement	10	0.06	0.6	for custody of used answerbooks of examinees
2	Desk Benches	30	0.04	1.2	For UG and PG students
3	Stools	20	0.02	0.4	For UG and PG students
4	Pedestral fan	2	0.03	0.06	For Geology lab and Computer lab
5	Table for Head of the department	1	0.2	0.2	For Head of the department
Total		63	0.35	2.46	

Name of Department - Information Technology

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Faculty Table	10	0.05	0.5	Faculty Seating arrangement
2	HOD Table	1	0.4	0.4	HOD Cabin
3	Visitors Chair	6	0.05	0.3	HOD Cabin
4	Faculty Chair	15	0.03	0.45	Faculty Seating arrangement
Total		32	0.53	1.65	

Name of Department - Master of Computer Application

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Teacher Table	5	0.05	0.25	For Teachers
2	Computer Table	4	0.05	0.2	For Lab
3	Computer Chair	20	0.015	0.3	For Lab
4	White Board with stand	1	0.05	0.05	For Lab
	Total	30	0.165	0.8	

Name of Department - Workshop

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Office revolving chair medium back	2	0.075	0.15	For workshop Supdt & supporting staff
2	Chairs	12	0.05	0.6	for wokshop staff
	Total	14	0.125	0.75	

Name of Department -Physics

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	chair	6	0.02	0.12	For staff Cabin
	Total	6	0.02	0.12	

Name of Department - Dean Office

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	Notice boards	2	0.03	0.06	Display of notices related to exam., scholarship etc. in the new area (Back side of Academic Section)
2	Document Storage for Dean Office and Examination	2	2	4.00	Safty storage for documents related Dean office and Examination
3	Water Cooler	1	0.15	0.15	Dean Office
4	Wooden Chairs and Cussions	12	0.05	0.60	For Dean office staff. Now using already scrapped chairs
5	Chairs	5	0.03	0.15	For guests
6	Storage Cupboards	5	0.1	0.50	Document Storage of Student Section
7	White Board	2	0.05	0.10	Day to day information display / reminder
Total		29	2.41	5.56	

Name of Department - Office

S.No.	Proposed Item with specification	Qty. required	Estimated Unit Rate	Estimate Amt	Justification
1	File Storage Floor	...	1.5	1.5	File Storage Floor in Account Section is very Old
2	Xerox Machine (Heavy duty)			2.5	For Office
3	Printer All in One			2	For Office Staff
4	Laptop	1	1	1	Principal
5	Server	1	5	5	For Office & software's
Total		2		12	

Grand Total

23.34

c. Maintenance Fund

Name of Dept - Civil Engineering

S. No.	Name of Laboratory/	Details	Unit cost	Qty	Total	Justification
1	Surveying Labs	Surveying Lab Maintenance & Repairs of Survey Instruments	-	-	0.40	Minor repair of survey instruments and purchase of Drawing sheets, lime powder, printer toner filling and repair etc.
3	Transportation Engg Lab	Maintenance & Repairs	-	-	0.60	Purchase of kerosene, bitumen maintenance of minor instruments
4	Geotechnical Engineering lab	Maintenance & Repairs			0.50	purchase of oil, grease, mercury and consumables of geotechnicals and maintenance of minor instruments etc.
5	Fluid Mechanics lab	Maintenance & Repairs	-	-	1.50	purchase of grease, mercury and maintenance and repairs of instruments
6	Computer lab	Maintenance & Repairs	-	-	1.00	maintenance of printers, CPU, Monitor, Mics, speakers etc.
7	Geology lab	Maintenance & Repairs	-	-	0.20	purchase of plastic trays, Streak Plate, pen knife etc.
7	Environmental Engineering lab	Maintenance & Repairs	-	-	0.30	purchase of chemicals, glasswares etc., maintenance of minor instruments
9	Building Services lab-	Maintenance & Repairs	-	-	0.50	maintenance of minor instruments
Total			0	0	5.00	

Name of Dept - Mechanical Engineering

S. No.	Name of Laboratory/	Details	Unit cost	Qty	Total	Justification
1		Air Blower, Screw Driver set, plier, brush, crimping tool,etc			0.50	For cleaning purpose of computer and peripheras
2		Replacement of Tonners, Refilling of Tonners, Repair of printers, USB cable for printer,etc				CAD-CAM Lab Regular maintainance
3		Mouse, SMF Batteries, small size pad locks, keyboard, RAM, SMPS Anti-virus, pen- drives, Lase pointer, HDMI cable,etc				
4		Multimedia Sound system				
5		Xerox Machine Parts, Accessories,etc				
6		Purchase of consumables, spares,etc				0.50	Heat transfer lab
7		Oil, Diesel,spares, salt and other Thermocouple and Digital Temperature Indicator			0.41	Thermodynamics Lab
8		AMC smoke meter and Morse Test			0.08	Consultancy work
9		2 Ammeter, 2 voltmeter, 2 Multimeter, 2 Rheostat, Multimeter cable, spares,etc			0.23	Renewable energy source Lab
10		Maintenance of Gyroscope, balancer,Elctromagnetic vibrator (Shakar),Compressor etc. Purchase of oil, grease, bearing, spares,etc			0.50	TOM lab Repair
11		Maintainance of laboratory equipments compressor and computers, Purchase of consumables for CNC lathe, milling, Robot, AGV, CMM, Dynamometer, Surface roughness meter etc tools,cutters, jig and fixtures for milling, turning operations. Charger for AGV, Replacement/Refilling of Tonners antivirus, Mouse, sensor change/repair, spare, toolkit ,AMC etc			1.50	CIM Lab maintenance and AMC
12		purchase of oil Refrigeerent, replacement, replacement of pressure gauges, drier filter etc. thermocouple Repair Electrolux Refrigeration,etc			0.25	Lab consumable and repair of RAC
13		Purchase of grease, sponges, ropes, pipes and hose Mercury, pressure gauges and servicing or repair of equipments spares etc			0.30	FM/FTM Lab repair and maintenance
14		Maintenance of laboratory equipments fatigue testing machine, jominy Hardenbilty set up, Foundry testing equipments and purchase of consumables, oil, calibration of microscope, forging specimen, Rolling specimen Extruded specimen, spares. Tensile test specimen, Erichion cupping specimen, Jominy hardenability specimen, Foundry sand, Bentanite			0.40	Metallurgy lab repair
15		Maintainance of laboratory equipments and purchase of consumables microprocessor, microcontroller and other electronics kits and PLC and its applications spares			0.20	IFP Lab repair

16	Measuring instrument repair and calibration , purchase of spare part, consumables for 3 D printers, Purchase of oil parafin cotton waste, toolkit, iso-profill alcohol , comparator spares etc			0.20	MQC lab Repair
17	Inserts and tool holder, Rack/Plastic Bins spares			0.50	Machine Tools Lab
18	Mouse, small size pad locks, key board, RAM, Anti-virus, pen drives, Replacement/Refilling of Tonners, Air blower ,spares etc			0.20	PG computer Lab
19	Purchase wire and DI water for EDM, Cotton waste, consumables for machineries / equipments , foundation material , spares for repair and maintenance of LASER cutting , USM, Injection and Blow moulding machine,			1.00	Non conventional machine lab
20	Purchase of consumables, spares for repair and maintenance,etc			0.50	Fluid Power Engg.
21	Purchase of consumables, spares for repair and maintenance,etc			0.50	Testing Measurement Lab
22	Purchase of consumables, spares for repair and maintenance,etc			0.50	Control Engineering
Total		0	0	8.27	

Name of Dept - Electrical Engineering

S. No.	Name of Laboratory/ Items / Discription	Details	Qty	Unit cost (Rs.)	Total	Justification
1	Computer lab1 &2, Electrical Dept	Repairs of computer including purchase of mouse , keyboard, SMPS, RAM, Hard disc,Mother board etc . Printer cartridge repais, Toner refilling, Printer repairing, LCD lamp replacement,batteries,PAGE RIM etc			1.00	Maintenance of computers, printers
2	Electrical Dept	multistrad cable 1.00 Sq.mm	15	1200	0.18	
3		multistrad cable 1.5 Sq.mm	10	1800	0.18	
4		multistrad cable 2.5 Sq.mm	10	2950	0.30	
5		4 core multistrad cable 4.0 Sq.mm	1	17000	0.17	
6		4 core multistrad cable 6.0 Sq.mm	1	30000	0.30	
7		MCB single pole 6 A	15	135	0.02	
8		MCB single pole 32 A	10	150	0.02	
9		MCB 2 pole 32 A	10	450	0.05	
10		MCB 3 pole 32 A	15	1000	0.15	
11		MCB 4 pole 32 A	10	1100	0.11	
12		MCB 4 pole 63 A	5	2500	0.13	
13		MCB Mounting Plastic Box 2-Pole	10	55	0.01	
14		MCB Mounting Plastic Box 4-Pole	10	80	0.01	
15		Service wire 2.5 Sq.mm	1	4500	0.05	
16		Rawal plug Box (Wooden & Plastic Type)	100	12	0.01	
17		PVC Board (Various Size)	20	100	0.02	
18		16 A Power point with box	25	190	0.05	
19		Insulation tape in R,Y,B,G colour also black	100	10	0.01	
20		20 watt led tube set 4feet	200	500	1.00	
21		20 watt led tube set 4feet	100	450	0.45	
22		9 w led tube set	100	350	0.35	
23		led square panel 2X2 Feet	50	3200	1.60	
24		Safty Belt & Helmet	2	4000	0.08	
25		Casing Caping patti (Double Lock)	100	55	0.06	
26		Dol Starter 3Ph	10	1950	0.20	
27		Dol Starter 1Ph	10	1950	0.20	
28		Three pin top 6A Anchor	50	40	0.02	
29		Three pin top 16A Anchor	50	80	0.04	
30		LED Spot Light 50W	10	3000	0.30	
31		LED Street Light 30W	15	2000	0.30	
32		CFL 18 Watt	10	180	0.02	
33		LED 1/2 Watt Lamp in R,Y,B Colour Each 3	10	75	0.01	
34		Cable Tai 150 mm Medium Size	10	100	0.01	
35		Motor Protection curcuit braker	10	3000	0.30	
36		Square Box	50	15	0.01	
37		MCCB 50A	10	5500	0.55	
38		MCCB 100A	10	6500	0.65	
39		MCCB 200A	5	10000	0.50	
40		Energy meter Electronics 3Ph.	5	5000	0.25	
41		Wall mount fan	5	2250	0.11	
42		6Amp Modular Switch	100	50	0.05	
43		6Amp Modualr Socket	100	80	0.08	
44		Fan Regulator Modular	50	250	0.13	
45		16Amp Modualr Combine Switch-Socket	50	400	0.20	
46		Powder coating panel for motor	10	7000	0.70	
47		5 w LED blub	100	120	0.12	
48		MOTOR REPAIR AND REWINDING	1	40000	0.40	
Total			1601	161327	11.40	

Name of Dept - Information Technology

S. No.	Name of Laboratory/ Items / Discription	Details	Unit cost (Rs)	Qty	Total	Justification
	Repair / Maintenance					
1	Printer AMC	Maintenance	20000	1	0.20	Printer Maintenance
2	Copier AMC	Maintenance	20000	1	0.20	Copier Manintenance
3	Computer Repair	Maintenance	2000	10	0.20	Computer Maintenance
4	Electrical Repair and Maintenance	Repair	500	150	0.75	Switch Boards damaged and not working properly
5	Laptop Maintenance	Maintenance	5000	3	0.15	Laptop Maintenance
	Technical Posters/Charts in the Lab	Lab Material	500	20	0.10	To display Technical Posters in the Lab
6	Misc. / Other non listed	Maintenance and Repair	–	–	1.00	Incidental Maintenance
					2.60	
	Consumables					
6	Network Tool Kit : Crimping tool, Cable tester, tool kit	Consumables	2000	5	0.10	Practical
7	Externl DVD writer	Consumables	2000	2	0.04	Software Installation
9	Extension Board	Consumables	800	5	0.04	Practical
10	Xerox Toner	Consumables	7500	2	0.15	Office work
11	Laser Printer Toner	Consumables	350	20	0.07	Office work
12	Portable weist band speaker	Consumables	5000	2	0.10	Presentation
13	External DVD writer	Consumables	2000	2	0.04	Writing CD/DVD
14	External HDD 1 TB	Consumables	5000	3	0.15	Storing data
15	Pen Drive	Consumables	500	10	0.05	To Carry data
16	RJ-45 connector	Consumables	15	100	0.00	Network Maintenance
17	Screen Hanging	Consumables	8000	2	0.16	Class room
18	Screen With Stand	Consumables	10000	2	0.20	Presentation
19	Slider and Pointer	Consumables	4500	2	0.09	Presentation
20	Table Cloth	Consumables	1000	10	0.10	Departmental Work
21	Curtones	Consumables	500	20	0.10	Laboratory
22	Key board and mouse	Consumables	500	20	0.10	Practical Use
23	Misc./ other non-listed items	Consumables	–	–	1.00	As per Incidental requirments
					2.49	
	Stationary Itmes					
23	Office Stationary Material	Stationary			0.60	Departmental Work
	Total		97665	392	10.78	

Name of Dept - Electronics & Telecommunication

S. No.	Name of Laboratory/ Items / Discription	Details	Unit cost	Qty	Total	Justification
1	E & TC	EPABX (AMC)	0.4	1	0.40	Annual Maintenance
2		Xerox Machine (AMC)	0.1	1	0.10	Annual Maintenance
3		Printers refilling and cartridges	LS		0.15	Maintenance
4		UPS Batteries			0.25	
5		Equipment Repairing	LS		0.10	
6		Electronics Consumable Purchase	LS		5.00	
7		Projector Repairs	LS		0.10	
8		PCB Drill bits	LS		0.50	
Total					6.60	

Name of Dept - Applied Mechanic

S. No.	Name of Laboratory/ Items / Discription	Details	Unit cost	Qty	Total	Justification
1	APM	Plain teen sheet for Concreting	4500.00	2.00	0.09	To prepare concrete mix
2		Glass measuring cylinders	1000	5	0.10	Consumables
3		Pycnometer	2000	2	0.04	Consumables
4		Stationary	5000		0.05	Consumables
5		Toner	1500	4	0.06	Consumables
Total			9500	11	0.34	

Name of Dept - Master of Computer Application

S. No.	Name of Laboratory/	Details	Unit cost	Qty	Total	Justification
1	Laboratories of MCA department				1.00	Maintenance of All laboratories lumpsum
2	Computer Center	Keyboards, Mouse, Switches, Patch cord other network related tools or parts			1.00	Maintenance and consumables
3	Computer Center	AMC for Computer	0.05 for two year (per year 2500/- for one computer)	150	7.50	For Hardware support of 150 computers in Computer Center
4	Computer Center	UPS AMC	0.19	1	0.19	for mantaning UPS
5	Computer Center	Printer Servicing	0.015	6	0.03	Required for Printing maintainance
6	Computer Center	Leserjet Printer Towner Refilling	0.017	6	0.10	Required for Printing of official work, proposals etc.
7	Computer Center	General Maintenance,	--	--	0.70	Maintenance,

8	Computer Center	stationary & consumables		5 Rim, Stappler, Stappler pins, Pencil, Rubber, whiteboard marker pen	1.38	Documentation
9	Computer Center	Carpet at Computer Center Lab	400 Sq ft	70*40 feet	1.60	For healthy and dust proof enviroment
10	Computer Center	Website plugging & hosting	1	1	1.00	for mantaning website
Total			1.222	164	14.50	

Name of Dept - Workshop

S. No.	Name of Laboratory/	Details	Unit cost	Qty	Total	Justification
1	Electric and mechanical maintenance	Repairs & Maintenance Lathe machine, shaping machine, Hacksaw, Drilling & other machines used in workshops etc.	.....	.....	1.00	Most of the machines in workshop are old and requires maintenance
2	Material & Supply	Workshop Consumables & tools Welding Rod, safety glass/helmet, glows, Cutting wheel, grinding wheel, HSS drill & bits, Hack Saw Blade, circular blade, machine & cutting Oil, greace, Files, spanner set etc.	0.03	06 set	2.00	Required Consumable & tools for day to day practical work
3	Material & Supply	Practical Materials (M.S. round & Square bar, teak wood, MS flat, Angle, GI sheet, Plywood, Sunmica Moulding patti etc ,.)	.....	.....	2.00	Material required for practical purpose
4	Material & Supply	Hardware Material Fevicol, Wire nails, Wood Screw, Polish Paper, Emery cloth, Abro Tape, Locks, rivets, hinges, stopper, Paint, Brush, wood Polish, Nut bolts etc.		---	1.00	Hardware material required in workshop/Institute work orders
5	Material & Supply	Cleaning material & Labour payment Brooms, Washing Powder, coconut brooms, life boy ,Match Box, First Aid, , other cleaning material etc.		.....	1.50	Required for all institute
6	Material & Supply	Stationary Tonner for printer & xerox machine, table cloth, table glass, paint marker etc.			0.25	office work
7	Material & Supply	Diesel	55	1400	2.50	Generator required during weakly power off and whenever electricity goes off
8	Material & Supply	Work Order Material			0.75	All departments works order material as per requirement
Total			55.03	1400	11.00	

Name of Dept - Physics

S. No.	Name of Laboratory/	Details	Unit cost	Qty	Total	Justification
1	Department of Physics	Chemicals			0.40	Different chemical required for different practical's
2		Laurent'z Tube	0.012	10	0.12	For Laurent'z Polarimeter Practical
3		Mercury Lamp	0.01	4	0.04	For Spectrometer Practical
4		Sodium Lamp	0.01	6	0.06	For Resolving Power Practical
5		Diffraction Grating	0.005	4	0.02	For LASER practical
6		Prism	0.002	2	0.04	For LASER practical
7		Printer tonner/refilling/cartilage	0.1	3	0.30	Refill /replace printer tonner in lab.
8		Laboratory Tool kit	0.05	1	0.05	Required for handle all the instruments
9		Scientists Frame with photo	0.005	9	0.05	In Laboratory
10		Lab. Manual	50	10	0.01	Autonomy Syllabus for lab and Different committees.
11		Stationary items	0.1		0.10	Including all item required for lecture and practical like stamps, chalk, marker pen, duster etc.Paint
12		Lab. Name plate and instruction boards, Equipment Name Plates	0.005	20	0.10	Required for new equipment in Nanotech Lab.
13		Regulator	0.03	1	0.03	For nitrogen cylinder
14		Refilling of Nitrogen cylinder	0.01	5	0.05	For Practical
15		Equipment repair	0.01	10	0.10	Laboratory equipment repair
16		Hard Disc	0.05	2	0.10	For departmental data storage
Total			50.40	87	1.56	

Name of Dept - Chemistry

S. No.	Name of Laboratory/	Details	Unit cost	Qty	Total	Justification
1	Chemical	Chemicals	0.5		0.5	For Practicals and research
2		Glasswares	0.5		0.5	For Practicals and research
Total			1	0	1	

Name of Dept - Mathematics

S. No.	Name of Laboratory/	Details	Unit cost	Qty	Total	Justification
1	MATHS	Repair: Xerox / Computer			0.1	
2		Consumable: Cartridge/Toner Refilling , Xerox Drum			0.1	
Total			0	0	0.2	

Name of Dept - Office

S. No.	Name of Laboratory/	Details	Unit cost	Qty	Total	Justification
1		Printer and Copiers Refilling, Repairing, AMC			0.50	Maintenance
2		Computer related Material			0.50	Maintenance
3		Software			0.60	For Tally solution and TDL for Accounting
4		Miscellaneous			4.00	
5		Refreshment			1.50	For Auditors, Visitors, Staff etc
6		Phone Expenses			0.90	For Office
7		Stationary and Printing			6.00	For Whole Institute
8		Legal Expenses			12.00	
Total			0	0	26.00	

Grand Total

82.16

Institute Level Fund - Institute Development Fund

A) Refurbishment

Name of Department - Institute

Sr. No.	Proposed Item	Area Details	Estimate Amount (Rs. In Lacs)	Justification
1	Refurbishment of chemistry lab - including experiment tables, otte, plumbing, granite top, furniture for cubboards, water tanks etc	205.11 Sqm	5.75	Demand from chemistry department to cater need of new equipments and renoation. It was budgeted last year but was not done as academics going on .
2	Extension of platform (katta) with canopy for entrance near chemistry laboratory	10.85 Sqm	1.05	To provide entrance for new laboratory in science dept.
3	Roof top water harvesting - for all existing buildings in the campus water harvesting including repair and proving new gutters, downtake pipes, horizontal pipeline upto tank, construction of sumps or tanks or farm tanks etc	4210.57 Sqm	15.75	To make our premises a smart campus
4	Roof cover for Open Theater - providing columns in steel structure with pre coated sheets supported on truss including foundation etc.	1031.32 Sqm	10.75	To conduct college level events for the mob to thge tune of 2000 plus audience.
5	Class room no-4 - Providing brick work and plaster to two sides including teak wood door, flooring and alluminium partition alongwith ceiling in soundproof roof	45	2.17	To seperate language lab and cabin for 1 faculty from class room.
6	Fall ceiling & acousty of auditorium	250Sqm	10.00	
7	Maintenance of heritage building		20.00	Colouring of stone masonry, roof coloring, Digital sineges showing institute name etc.
Total			65.47	

Name of Department - Mechanical				
Sr. No.	Proposed Item	Area Details	Estimate Amount (Rs. In Lacs)	Justification
1	Refrigeration and air conditioning lab-removing of old tiles, providing new natural stone tiles, Partition for faculty cabin	100.00 Sqm	2.00	Old flooring with lots off repair
2	PG building room carpet and allunimium partition with one door of 3.1 m height	8.17 Sqm	0.40	for PG computer lab and EDM machine
3	Removing old window panel, fiiting broken glasses to window panels, fitting latch of window and doors		0.40	PG Buliding
4	Thermodynamics Lab-- foundation (civil work) for set-up and water tank		0.60	For experimentation
5	CIM Lab Removing old window panels, fitting broken glasses to window panels, fitting broken glass to window panels		0.15	Regular Maintanance
6	Wash Basin in TOM lab		0.10	
Total			3.65	

Name of Department - Electronics & Telecommunication

Sr. No.	Proposed Item	Area Details	Estimate Amount (Rs. In Lacs)	Justification
1	Computer Lab 1		6.00	Wooden tables and chairs as per design
2	Converting empty space in toilets in to tutorial rooms	60 sq. m	2.00	Need to develop tutorial rooms in ENTTC department
Total			8.00	

Name of Department - Applied Mechanical

Sr. No.	Proposed Item	Area Details	Estimate Amount (Rs. In Lacs)	Justification
1	Sliding windows for CR 10	210 Sq ft	0.45	To make noice proof
Total			0.45	

Name of Department - IT (Information Technology)

Sr. No.	Proposed Item	Area Details	Estimate Amount (Rs. In Lacs)	Justification
1	HOD Cabin: Removing wall mounted cupboards	Removing wall mounted cupboards to make space	1.00	To avail space in the HOD Cabin
2	HOD Cabin: Plywood and Glass showcase	6*4 Feet Showcase with two doors	0.50	To keep liscenced software copy, Memento, Trophy
3	Changing Tiles in the coridore of the department	Good quality tiles	2.00	To improve ambience
4	Sliding window to Laboratory, class and faculty cabins	3*6 Feet Window	0.90	Old windows are broken so it should be replaced by new sliding window
5	POP of Classroom	50 Sq. Meter	0.60	To improve ambience
6	POP of Laboratory	250 Sq Meter	3.00	To improve ambience
7	Carpet for Laboratory	250 Sq Meter	1.50	To improve ambience
Total			9.50	

Name of Department - Electrical

Sr. No.	Proposed Item	Area Details	Estimate Amount (Rs. In Lacs)	Justification
1	Power electronics Laboratory	Staff Cabin,2	0.70	
2	PG Laboratory	Partation and Table	7.50	
Total			8.20	

Name of Department - Civil

Sr. No.	Proposed Item	Area Details	Estimate Amount (Rs. In Lacs)	Justification
1	Fluid mechanics lab		0.30	Elevated platform for tilting flume experiment set up for observation (6.5'x 1'x 2.5')
2	Transportation Engineering lab		0.30	Shuttering of underneath platform
Total			0.60	

Name of Department - Workshop

Sr. No.	Proposed Item	Area Details	Estimate Amount (Rs. In Lacs)	Justification
1	Scrap Yard civil work		6.00	To keep scap material
2	Store room attic (Loft)		4.00	For storage light weight items
Total			10.00	

Name of Department - Physics

Sr. No.	Proposed Item	Area Details	Estimate Amount (Rs. In Lacs)	Justification
1	Nanotech Lab.	Refurbishment of Nanotech Lab. Like Carpet, Window, partition, Doors , Wall, electric fitting, wash Basin colouring etc.	1.00	
Total			1.00	

Name of Department - Office

Sr. No.	Proposed Item	Area Details	Estimate Amount (Rs. In Lacs)	Justification
1	Alluminium Partion Cabin in Establish Department		2.00	For Developing Establishment Section
2	Refurbishment Expenses (Office)		60.00	
3	Partition & Support		20.00	
Total			82.00	

B) Maintenance (office)

Sr. No.	Proposed Item	Expenditure per month	Expenditure for 2017-18	Budget For 2018-19 (In lakhs)
1	Water Expenses	1.50	4.07	6.00
2	Electricity Expenses	3.56	31.52	37.00
3	Telephone Expenses	0.08	0.75	0.75
4	Tab for Smart classroom	Rs. 2Lakhs per department		12.00
5	CC TV in class rooms & other buildings, like MCA, ENTC, PG & Workshops.	Lumsum	-	17.00
6	Garden Development		1.97	22.50
7	NSS			1.62
Sub Total				96.87

Grand Total

285.74

Institute Level Fund - Institute Development Fund

B) Student Activity

Name of Department - Civil

Academic support for weak students for the year 2018-19 (please consider GATE classes, pre-placement training, additional soft skill training, industry visits, expert lectures and other proficiency for students.

Training

Sr. no.	Name of the Training programe	Target Participants	Training Agency	Esitimated amount (In lacs)
1	Soft Skill/ General Proficiency	UG	As decided by college	3.00
2	GATE Classes	UG	As decided by college	4.00
3	Preplacement Activity	UG	As decided by college	1.00
Total				8.00

Industry visits (Min 2 visits per class for each UG classes: Max Rs. 20000/- per visit)

Sr. no	Name of the industry	Target Participants	Tentative Schedule	Estimated amount in lacs
1	Industry visits : Two for each sem	UG	Aug 18	1.20
2	Industry visits : Two for each sem	UG	Feb-19	1.20
Total				2.40

Expert (Industry/ Academics) lectures (Min 3 per class for each UG classes)

Sr. no	Name of the industry	Target Participants	Tentative Schedule	Estimated amount in lacs
1	Construction industry(minimum 3 per class)	UG	Aug , Oct 18	1.50
Total				1.50

Details of reforms for the year 2018-19 (please include expenses on meeting, hospitality and other reforms)

Sr.no	Details of reforms (BoM/ FC/ BWC/AC/ APEC/ BoS meetings etc	Exp. Per meeting	No. Of meeting	Total cost
1	Industry board, BoS, DBoS, Departmental meetings	Rs. 4000	10	0.40
Total				0.40

Grand Total of Civil

12.30

Name of Department - E&TC

Academic support for weak students for the year 2018-19 (please consider GATE classes, pre-placement training, additional soft skill training, industry visits, expert lectures and other proficiency for students.

Training

Sr. no.	Name of the Training programe	Target Participants	Training Agency	Esitimated amount (In lacs)
1	Smart Antenna and Antenna Design	TY	Expert from Industry	0.25
2	Rasberi Pi and Arduino	SY/TY	Expert from Industry	0.25
3	Electronic Circuit Simulation and PCB Fabrication	SY/TY	Expert from Industry	0.25
4	Recent trends in Powr Electronics and Power Quality	SY/TY	Expert from Industry	0.25
5	VICADO	TY/Final Yr	Expert from Industry	0.25
6	Image processing using FPGA	TY/Final Yr	Expert from Industry	0.25
7	FECO	TY/Final Yr	Expert from Industry	0.25
8	DS Processors	TY/Final Yr	Expert from Industry	0.25
	Total			2.00

Expert (Industry/ Academics) lectures (Min 3 per class for each UG classes)

Sr. no	Name of the industry	Target Participants	Tentative Schedule	Estimated amount in lacs
1	Expert (Industry/ Academics) lectures (Min 3 per class for each UG classes)		Aug/Sep/Jan/Feb	3.00
	Total			3.00

Details of reforms for the year 2018-19 (please include expenses on meeting, hospitality and other reforms)

Sr.no	Details of reforms (BoM/ FC/ BWC/AC/ APEC/ BoS meetings etc	Exp. Per meeting	No. Of meeting	Total cost
1	BOS Meetings	0.25	3	0.75
2	DIB	0.25	3	0.75
	Total			1.50

Grand Total of E & TC

6.50

Name of Department - Information Technology

Academic support for weak students for the year 2018-19				
(Please consider GATE classes, pre-placement training, additional soft skill training, industry visits, expert lectures and other proficiency for students)				
Name of Dept.: Information Technology				
Training				
Sr. No.	Name of the Training Program	Target participants	Training Agency	Estimated Amount in lacs
1	GATE Classes	40		3.50
2	Pre Placement training	85		0.80
3	Soft-Skill Training	85		0.50
Total				4.80

Industry visits (Min 2 visits per class for each UG classes; max Rs 20,000/- per visit)				
Sr. No.	Name of the Industry	Target participants	Tentative Schedule	Estimated Amount in lacs
1	Pune Based MNC	50	July, 2018	0.40
2	Pune Based MNC	50	July, 2018	0.40
3	Aurangabad Based MNC	50	Nov, 2018	0.40
Total				1.20

Expert (Industry/ Academics) lectures (Min 3 per class for each UG classes)				
Sr. No.	Name of the Expert	Target participants	Tentative Schedule	Estimated Amount in lacs
1	Expert Lecture(SY BTech)	85	Sept,2018	0.90
2	Expert Lecture(TY BTech)	85	Sept,2018	0.90
3	Expert Lecture (Final Year BTech)	85	Jan, 2019	0.90
Total				2.70

Details of reforms for the year 2018-19 (please include expenses on meeting, hospitality and other reforms)				
Name of Dept. Information Technology				
Sr. No.	Details of reforms (BoM/ FC/ BWC/ AC/ APEC/ BoS meetings etc.)	Expenses per meeting	Number of Meetings	Total Cost lacs
1	BOS Meeting	0.5	2	1.00
2	IEB Meeting	0.5	2	1.00
Total				2.00

Grand Total of IT

10.7

Name of Department - MATHS

Details of reforms for the year 2018-19 (please include expenses on meeting, hospitality and other reforms)

Sr. No	Details of reforms (BoM/ FC/ BWC/AC/ APEC/ BoS meetings etc	Exp. Per meeting	No. Of meeting	Total cost
1	BOS Meetings	0.2	2	0.40
Total				0.40

Grand Total of MATHS

0.40

Name of Department - Physics

Academic support for weak students for the year 2018-19

(Please consider GATE classes, pre-placement training, additional soft skill training, industry visits, expert lectures and other proficiency for students)

Name of Dept. : Mechanical Engineering

Training				
Sr. No.	Name of the Training Program	Target participants	Training Agency	Estimated Amount in lacs
1	Quiz Competition	300		0.05
2	Expert lecture	300		0.1
3				
Total				0.15

Grand Total of Physics

0.15

Name of Department - Mechanical

Academic support for weak students for the year 2018-19

(Please consider GATE classes, pre-placement training, additional soft skill training, industry visits, expert lectures and other proficiency for students)

Name of Dept. : Mechanical Engineering

Training				
Sr. No.	Name of the Training Program	Target participants	Training Agency	Estimated Amount in lacs
1	Preplacement Training	T.Y.B.Tech, B.E.	Globarena	0.90
2	Gate Coaching	T.Y.B.Tech, B.E.	Gate Forum/Imperial	4.00
3	ISHRAE/ASHRAE/SAE/IE cha	UG & PG Mecha	HRAE/ASHRAE/SAE/	3.00
Total				7.90

Industry visits (Min 2 visits per class for each UG classes; max Rs 20,000/- per visit)				
Sr. No.	Name of the Industry	Target participants	Tentative Schedule	Estimated Amount in lacs
1	Suyash castings, Garware wall ropes etc.	S. Y. B. Tech	October-18/February-19	0.20
2	IGTR, Aurangabad	T. Y. B. Tech	October-18/February-19	0.20
5	M. B. Tools Pvt. Ltd., Rocket Engg. Pvt. Ltd.	F. Y. M. Tech Production Engg.	October-18/February-19	0.20
Total				0.60

Expert (Industry/ Academics) lectures (Min 3 per class for each UG classes)				
Sr. No.	Name of the Expert	Target participants	Tentative Schedule	Estimated Amount in lacs
1	Faculties from reputed institutes and industries etc.	S.Y. B. Tech	October-18/February-19	0.20
2	Faculties from reputed institutes and industries etc.	T.Y. B. Tech	October-18/February-19	0.20
3	Faculties from reputed institutes and industries etc.	B. E.	October-18/February-19	0.20
4	Faculties from reputed institutes and industries etc.	F. Y., S. Y. M. Tech HP	October-18/February-19	0.20
5	Faculties from reputed institutes and industries etc.	F. Y., S. Y. M. Tech Production	October-18/February-19	0.20
Total				1.00

Details of reforms for the year 2018-19				
(please include expenses on meeting, hospitality and other reforms)				
Name of Dept. : Mechanical Engineering				
Sr. No.	Details of reforms (BoM/ FC/ BWC/ AC/ APEC/ BoS meetings etc.)	Expenses per meeting	Number of Meetings	Total Cost lacs
1	BOS, Industrial Advisory Board & APEC Meeting	0.3	3	0.9
Total				0.9

Total of Mechanical	10.4
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GRAND TOTAL	40.45
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Budget for Different Clubs

Sr. No.	Name of Clubs	Budgeted Amount in lacs
1	Robo Club	4.15
2	Startup Club	7.00
3	Divine Club	0.32
4	Herald Club	0.80
5	Dais Club	6.95
6	Aerobic Club (W)	0.50
7	Incubation Club	2.00
8	Spicn Macay	1.20
9	Open Source	1.45
10	Electro Chaser	1.94
11	Idea Club	2.50
12	Words Worth	2.33
13	SAE/ Baja Club	0.65
Total		31.79
Grand Total		31.79

CLUB BUDGET

DAIS CLUB

I. Home/Host Events					
Sr. No.	Semester	Name of Event	Description	Associated Costs	Amount
1	1&2	The DAIS competition	Inter-college competition	1x36950	0.37
2	1&2	The DAIS Talks	3 talks per semester	6x46500	1.86
3	-	Mock Interview	Mock interview (evaluation)		0.83
TOTAL(A):					3.06
II. Outside College Events					
Sr. No.	Semester	Name of Event	Description	Associated Costs	Amount
1	1&2	MUNs	Participation fees and accomodation	30x4000	1.20
2	1 or 2*	TEDxGCEK	Independent TED conference	1x269258	2.69
TOTAL(B):					3.89
III. Facilities/Components Required					
Sr. No.	Semester	Name of Event	Description	Amount	
TOTAL(C):					-
Grand Total					6.95

*Subject to convenience as per academics and extra curriculares.

AEROBICS CLUB

	1	Aerobics club	Training and other	Training, speakers and other	0.50
Total					0.50

DIVINE CLUB

Sr. No.	Activity	Amount
1	Computer literacy	0.04
2	Career guidance to school students	0.03
3	Visit to orphanage	0.03
4	Project on solar panel	0.02
5	Solid waste management	0.05
6	Women welfare activities	0.15
Total		0.32

ELECTRO CHASER CLUB

Sr. No.	Semester	Name of Event	Description	Associated Costs	Amount
1	I	Workshop 1	Softwares For Electronics (Proteus, Express PCB, Scilab, LabView, VLSI, HDL)	20000	0.20
2	I	Guest Lecture 1	Evaluation of electronics and Beyond	10000	0.10
3	I	Workshop 2	Automation or Embedded Design	20000	0.20
4	I	Event 1	Project Exhibition	20000	0.20
5	II	Guest Lecture 2	Automotive electronics	8000	0.08
6	II	Workshop 3	XBEE Wireless workshop	21000	0.21
7	II	Event 2	Tractacus(Avishkar Event)	25000	0.25
8	II	Guest Lecture 3	Selecting And Development of last year project	9000	0.09
Total					1.33

II. Outside College events					
Sr. No.	Semester	Name of Event	Location	Description	Amount
1	I	Techfest	IIT Bombay	To attend workshop	0.10
2	I	Mindspark	Collage of Engineering Pune	Workshop	0.05
Total					0.15

III. Facilities/Components required			
Sr. No.	Name of Components	Description	Amount
1	Copper Clad	Used in making PCB	0.46
2	Soldering Gun	In PCB making	
3	Bread Boards	General	
4	3 Multimeter	General	
5	Resisters ,Capacitors And Diode	General	
6	Transisters ,Transformer	General	
7	Glue Gun	General	
8	Arduino UNO ,Mega	General	
9	Battery chargable 2	General	
10	Devolpment Board	General	
11	Sensors(UV , IR ,etc)	General	
12	Basic componends (Push buttons , Plastic boards	General	
13	First Aid Kit	Treatment	
14	Ics	General	
15	LED Display	Project Making	
Total			0.46

Grand Total				1.94
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OPEN SOURCE CLUB

S.no	Activity	Amount
1	Workshop On Augmented Reality and Artificial Intelligent.	0.20
2	Expert Lecture on cloud computing	0.10
3	Certification course in Python	0.50
4	Workshop on Android Development	0.25
5	Open Source Development for College	0.10
	• API for college website	
	• Digital Library API for Live Classrooms	
6	Project Competition Smart Campus.	0.10
7	Workshop on OS Design and Development	0.20
Total		1.45

START-UP CLUB

Sr. No.	Activity	Amount
1	Teach your skill and earn	0.50
2	Business Talks	1.25
3	Startup Visits	1.00
4	Workshops	0.75
5	Competitions	1.00
6	Global Entrepreneur Summit	2.50
Total		7.00

WORDSWORTH CLUB

I. Home/Host Events			
Sr. No.	Semester	Name of Event	Amount
1	Summer	Event	0.1
			0.1
II. Facilities/Components required			
Sr. No.	Name of Facility	Description	
1	Literary Classics (English)	50 books	0.35
2	Short Stories	35 books	0.2
3	Indian Classics	35 books	0.15
4	Marathi Novels	25 books	0.15
5	Fiction	80 books	0.6
6	Autobiographies/ Biographies/ Mo	30 books	0.25
7	GRE,TOFEL IELTS Books	50 books	0.5
8	Miscellaneous	Record Books, website hosting, maintenance	0.01
9	Other Clubs	T.A, D.A. For purchasing books / delivery charges if ordered online	0.02
Total			2.33

SAE/BAJA CLUB

I. Outside College events				
Sr. No.	Semester	Name of Event	Description	Amount
1	I	Go Kart	To participate in competition	0.10
2	I	BAJA		0.10
3	II	SAE aero design		0.10
Total				0.30

II. Facilities/Components required			
Sr. No.	Name of Components	Description	Amount
1	Automobile componenets	Braking system, steering system etc	0.25
2	Wiring and connections	Cables and connector	0.02
3	Fabrication	General	0.08
Total			0.35
Grand Total			0.65

ROBO CLUB

Sr.No	Name of Event	Amount
1	Workshop	0.20
2	Guest Lecture	0.10
3	Event	0.10
4	Expo	0.10
5	Techfest Participation	0.10
6	Mindspark Participation	0.05
7	Robocon Participation	3.50
Total		4.15

Sr.No.	Name of Club	Amount
1	Herald Club	0.80
2	Incubation Club	2.00
3	Spic Macay	1.20
4	Idea Club	2.50
Total		6.50

Grand Total of All Club

31.79

e. Salary Fund:

Honorarium to Visiting Faculty, visiting fellows, Professor emeritus, Adjunct faculty etc.

Sr. No.	Post	No. of Posts	Honorarium per month	Budget for 2018-19
1	Visiting Faculty	50	0.40	240.00
2	Adjunct Faculty	10	0.65	78.00
TOTAL		60	1.05	318.00

Outsources Services (salary)

Sr. No.	Post	Expenditure per month	Expenditure for 2017-18	Budget for 2018-19
1	Security (MESCO)	3.25	39.00	44.85
2	Cleaning expenses (Sankalp)	1.50	18.00	20.70
3	Electrician (Global)	0.11	1.32	1.52
4	Outsourcing (Shriram)	9.00	108.00	144.40
TOTAL		13.86	166.32	211.46

Grand total **529.46**

Institute Level Fund : Gymkhana

Details of Expinditure(Furniture)				
Branch/ Intake	Proposed Furniture with specifications	Quantity Required	Estimated Unit Rate (Rs.in Lacs)	Estimated Amount (Rs.in Lacs)
Dean Student Affairs Office	Office Table With four drawers	01	0.5	0.50
	Table Glass wih green table cloth	01	0.04	0.04
	Revolving Chair	01	0.15	0.15
	Plastic Chairs with cusion	10	0.035	0.35
	Computer Table	01	0.04	0.04
	Steell Cupboard (Full Size) or Wardrob	4	0.07	0.35
	Steell Cupboard (Small Size)	01	0.05	0.05
	Mirror (Big Size) 2X5	01	0.02	0.02
			TOTAL	1.50

Name of The Department: Gymkhana (Nonrecurring)			
Sr.No.	Proposed Item with specification	Estimated Amount (Rs. In Lacs)	Justification
1	Dean Student Office Furniture (Details attached sheet attached)	1.50	Dean Office Furniture
2	Water Supply on Ground	1.00	To provide water connection on ground(Pipeline etc.)
3	Fencing to ground	1.50	To construct fencing to ground to avoide transpassenger vehicles.
Total Rs. Lacs		4.00	

Name of The Department: Gymkhana (Recurring)**Annual Budget for the year 2018-19**

Sr.No.	Proposed Item with specification	Estimate Amount	Justification
1	Annual Collaage Day	5.00	Celebration of Annual College Day/ Students cultural activities
2	College Magazine	2.00	Publication of College Magazine
3	Sports Material	4.00	Purchase of sports material required for different Games.
4	Sports Kits(T Shirt, Pant) Track Suits	1.50	To provide Colors (T shirt, Pant) to players
5	Ground Maintanance material, Labour etc.	2.00	Repaire and Maintenance of Play Ground, clay, Labour charges etc.
6	Sports TA/DA	2.00	TA DA to the students and accompaning staff when they go to play outstation for Zonal/ Int. Zonal/ ZEST Games
7	Culturatial Activities / Youth Festival	1.50	To conduct cultural programme during academic year
8	Ladies Activities	0.50	To conduct lady student activities/ programme during academic year
9	Blazers to Student Council	0.70	To provide Blazers to student council members
10	Remuneration of supporting staff	3.00	Remuneration to Physical Instructor & Gymkhana Peon
11	P. A. System	1.00	To purchase Public Adress System to install in Auditorium (Presently there is no any such arrengement)
12	Musical Instruments, Camera purchase (Octapad, Dholaki, Mridangam, Electric Guitar, Flutes, etc.) and Maintenance of Instruments	2.50	To purchase Musical Instruments to use of Cultural Events team
13	Miscellaneous	1.50	For hospatilities, Stationary, Cartridge, Photographs, repairs other minor purchases etc.
TOTAL		27.20	

GRAND TOTAL**32.7**

ISTE

Expected Income in 2018-19			
Student Admitted to	No. of Student	Fee Collection	Total Fee
F. Y. B.Tech	317	250	0.79
DSE	60	200	0.12
MCA	29	200	0.06
M. Tech	107	150	0.16
Total Expected Income in Rs.			1.13

Expected Expenditure in 2018-19					
Sr. No.	Department	Activity	Budget		
A. Central Activity					
1	Avishkar	Sponsorship for Technical Event	0.25		
2	Common Program	Lecture on Preparation of Competative Exams, Higher Study Exams, Stress Management, Persnolity Devolopment etc.	0.25		
B. Department wise Activity					
3	Civil	Lecture on selection of Project/ dessertation topic, preparation of Project / dessertation report, industrial and subject oriented Expert Lecture (7*7500)	0.52		
4	Mechanical				
5	electrical				
6	Information Technology				
7	ETC				
8	Master of computer Application				
9	M. Tech. (All specialization)				
C. Institute Level Students/Faculty Assistance					
10	ISTE Students Convention			Participation Reg. Fee, TA/DA, Boarding	0.20
11	Students Participation in Outside Competition				
12	Student ISTE Membership	Registration Fee	0.64		
Grand Total			1.86		

Training & Placement: to be submitted by TPO dept.

Budget of T&P Cell for 2018-2019

Sr. No.	Item	Category	Proposed Expenditure	Remark
Employability Enhancement Training				
1	Corporate Training	Aptitude / GD / Mock interview	4.20	70% of 400 students training with Rs1500 per student
2	Psychometric Test	To know students strengths and weaknesses	3.20	Rs 800/- per student remaining amount from students contribution of 400 students
3	Add on courses / Online certification courses / Finishing Courses	Particular programming skill / specialised training to boost employability in particular area of demand	7.50	1.5 lakh will be allotted to each department. Department according to need of skill and available certification will decide the course. It will be monitored by department TPO coordinator
4	Leadership Lectures	Eminent persons from Industries / Corporate Sector / Govt.	1.80	3 expert sessions per semester for all branches 3*2*.3
5	Students Finishing Workshop	Hands on skill	4.80	2 workshop per class per semester for 6 branches with 0.20 per session 1*2*6*0.2
6	GATE Coaching	Boost for career to deserving students	5.00	For total 100 students. 20 meritorious students from each class training with Rs 5000 per student
7	Career Counselling Program	Career in Other than core companies	1.20	2 programs per semester for Competitive exams, Opportunities in Research, Banks and Agriculture 4*.3
8	Internship assistance tro students	Boost for career to deserving students	12.00	Each student from Final and Third year will be suopported with Internship assistance worth Rs. 2000 each

Industry Institute Interaction				
9	Industrial Visits,	Field Knowledge	6.00	2 visits per class per semester for 6 branches with .20 per session $2*2*6*0.2$ and for 1 for PG students $6*.1*2$
10	IEB Meeting	Outside Interaction	2.40	one meeting in each semester for 6 branches $2*6*.2$
11	Expert Lectures	Eminent persons from Industries / Corporate Sector / Govt.	3.60	2 expert sessions per class per semester for 6 branches with .05 per session $6*3*4*0.05$
12	Faculty visit to industry	To know current status of technology use	3.60	Each department will arrange 3 Faculty Industrial Visit in a semester. Group of 5 faculty will visit industry on Saturday / Sunday $3*2*6*.1$
Placement				
13	Phone	Office Expenses	0.10	
14	Membership Fees (CII, MACCIA etc.)	CII, MACCIA etc.	0.50	
15	Tea, Break fast for Guests	For Guests	0.50	
16	Lunch and Hospitality for placement	Placement	2.00	
17	TA DA for TPO staff to attend placement drives, CII. MCAIA, NASSCOM meetings		1.20	
18	Latest LED TV, Camera, Mic system, TAB	Arrange for interview through Video Conferencing	1.60	Some companies are taking demanding such interviews
19	Misc. (TPO Brochure, paper, books Xerox, cartridges etc.)	Office Expenses	1.00	
Grand Total			62.20	

EXAMINATION CELL

Expenditure			
11. Examination Cell (COE)			
Budget provision for various activities to be conducted during 2018-19			
Sr. No	Events	Details	Expected Budget
1	Remuneration to Paper setters	Total subjects for B.Tech, M.Tech and MCA of two sem	4.00
2	Assessment work	Tot.Ans book for S-17, ST-17 &W-17= 20000 @ Rs. 9/-	1.80
3	Honorarium for practical Exam. (Ext. Exam) at dept. level	2 Ext. Exam per programs, total= 52 @ Rs-2000	1.04
4	Honorarium to Exam cell functionaries and Dean Acad.	Dean acad, CoE, Printring Cord, Setting Cord. Assessment Cord .. Rs-34500 per exam.	1.04
5	Honorarium for Theory Exam. (Ext. Exam) at dept. level	Rs-7000/- Per Exam per dept- S-17= 35000, ST-17=15000, W-17= 35000	0.85
a) SubTotal			8.73
Consumable			
1	Stationary : Xerox papers, ESE/ Class test- Answer book, supplements and other exam stationary	As per requirement	4.20
2	Xerox m/c & Printer Cartridges and refilling for Printing of Q.P and other laser printers	Cartridges: Xerox m/c : 01 no, Printers: 02	0.20
3	Cartiage (RICO) 6 No.		0.12
4	Stensil Roll (RICO) 6 No.		0.20
5	Samsung Xerox Machine toner No. 4		0.16
6	Samsung Xerox Machine maintainance		0.20
b) Sub Total			5.08
TOTAL			13.81

Details of reforms for the year 2017-18 (please include expenses on meeting, hospitality and other reforms)

Name of Dept.				
Sr. No.	Details of reforms (BoM/ FC/ BWC/ AC/ APEC/ BoS meetings etc.)	Expenses per meeting	Number of Meetings	Total Cost
1	Graduation Ceremony Expences	1		2.00
2	Expenditure for conduct of APEC Meetings	6	800	0.05
3	Expenditure for Dean office meeting and hospitality			0.05
Total				2.10

Exam

d. Maintenance Fund : (Maintenance, Semi consumables and Consumables)

Name of Dept.: Dean Academics

Sr. No	Name of Dept	Unit Cost	Quantity	Total	Justification
1	Xerox Papers	170	A-4, 150 rim	0.26	Day to day consumables
2	Xerox Papers		A- 3, 15 rim	0.05	
3	Tonner(Refill+ New)		5 New, 15 refill	0.21	Day to day consumables
4	Pen Drive 32 GB	0.01	6	0.06	Office work
5	Calculator	0.002	5	0.01	Office tool
6	Other consumable stationary items Including Pen, Pencil, Stepler, Pins, Files, Ink Pad, Envelope, Rubber, marker, CD-DVD, Less file, etc.		LS	1.00	Exam. Work and Day to day consumables
7	Wall Clock	0.01	2	0.02	For Office and Dean Cabin
8	UPS Maintenance		LS	0.10	AMC
9	Curtains		4	0.10	For Office use - day to day activities
10	Dustbin	0.002	6	0.01	
11	Tea Cups+Tray	0	1 Dz	0.01	
12	Cool Water Jar		6	0.05	
13	Paper weight		12	0.01	
14	Mouse		6	0.02	
15	Filming to Cabin glass		LS	0.50	For Cabin in Academic Section
16	Table glass		4	0.08	
17	Door Closer		6	0.05	
18	Wireless Bell	0.004	3	0.01	For Cabins
19	Door Mat (Big)		2	0.02	For Office entrance
	Total			2.56	

Outsource services

Sr.no	Type of Services	Exp.	No. of months	Estim. Amt
1	MIS	-----	12	10.00
	1) Annual Technical Support Services	-----	-----	
	2) Hosting charges	-----	-----	
	3) DSS services facility	-----	-----	
2	Teaching Provision for General Proficiency (For weaker students)	-----	-----	10.00
	Total			20.00

Grand Total

38.46

Central Library

Proposed Budget for 2018-19

3. State Government Plan Library :

Sr. No.	Component	Budget	Remark
1	Development of Library	2.00	List Enclosed (Annexure A)
2	Book Bank	2.00	List Enclosed (Annexure B)
Total		4.00	

Sr. No.	Component	Budget	Remark
1	Book Bank :SWBC	4.00	List Enclosed (Annexure C)
Total		4.00	

5. Institute Level Funds: to be submitted by concern departments.

8. Library Fee : to be submitted by library dept.

(Books/Furniture, Journals, Software & equipments, refurbishment)

Library Books :

Sr. No.	Author	Title	Publisher, Cost,Copies	Total Cost
1	Development of Library	Separate list attached		5.00
2	Book Bank			3.00
Total				8.00

e books

Sr. No.	Component	Type (Online / Hard Copy)	Quantity	Subscription
1	e_books	online	1500 +	20.00

Journals

Sr. No.	Name of Journal	Type (Online / Hard Copy)	Quantity	Subscription
1	IEEE-ASPP+POP	Online	149+	9.00
2	ASCE	Online	37	3.00
3	ASME	Online	28	2.50
4	Springer	Online	586	7.00
5	Elsevier-Science Direct	Online	275	7.50
Total				29.00

Print Journals

Sr. No.	Name of Journal	Type (Hard Copy)	Quantity	Subscription
	CIVIL			
1	NICMAR Journal of construction Management	Jan to Dec 2018	4	0.03
2	IEJ: Civil, Architectural Engg., Environmental Engg., agricultural Engg.,(Series A)	Jan to Dec 2018	4	0.07
3	TERI Information Digest on Energy & Environment	Jan to Dec 2018	4	0.04
4	Indian Geotechnical Journal	Jan to Dec 2018	4	0.02
5	Indian Road Congress Journal + Indian Highways	Jan to Dec 2018	4	0.03
6	Journal of Indian Water Works Association	Jan to Dec 2018	4	0.03
7	Indian Concrete Journal	Jan to Dec 2018	12	0.04
8	Journal of Structural Engineering	Jan to Dec 2018	6	0.02
9	ACI Structural Journal	Jan to Dec 2018	6	0.03
10	ACI Material Journal	Jan to Dec 2018	6	0.02
11	ACI Concrete International Journal	Jan to Dec 2018	12	0.03
12	Bulletin of Material Science	Jan to Dec 2018	6	0.02
13	Journal of Geological Society of India	Jan to Dec 2018	2	0.08
14	New Building Materials & Construction World	Jan to Dec 2018	12	0.02
15	Indian Journal of Engineering & Materials Sciences	Jan to Dec 2018	6	0.02
	Electrical			
16	IEJ: Electrical, Electronics & Telecommunication, Computer,(Series B)	Jan to Dec 2018	4	0.06
17	Journal of Energy Storage & Conversion	Jan to Dec 2018	2	0.03
18	Electrical India	Jan to Dec 2018	12	0.03
19	Power line	Jan to Dec 2018	12	0.03
20	JI of Inc'l Asso.on Electricity Generation Transmission & Distribution	Jan to Dec 2018	2	0.03
21	Power Engineering Journal	Jan to Dec 2018	2	0.03
	ELECTRONICS & TELECOMMUNICATION			
22	International Journal of Electronics & Telecommunications	Jan to Dec 2018	2	0.06
23	IUP Electrical & Electronics Engineering	Jan to Dec 2018	4	0.02
24	Electronics For You	Jan to Dec 2018	12	0.02
25	Telnet	Jan to Dec 2018	12	0.02
26	IUP Telecommunication	Jan to Dec 2018	4	0.01

MCA				
27	International journal of computer Science and Information Technology	Jan to Dec 2018	2	0.04
28	International journal of Information Technology and Database Systems	Jan to Dec 2018	2	0.04
29	International journal of Intelligent Information Processing	Jan to Dec 2018	2	0.04
30	International journal of information Analysis and Processing	Jan to Dec 2018	2	0.04
31	International journal of Applied Artificial Intelligence in Engineering System	Jan to Dec 2018	2	0.04
32	International journal of Computational Intelligence Research and Applications	Jan to Dec 2018	2	0.04
33	International journal of Computer Engineering and Software Technology	Jan to Dec 2018	2	0.04
34	International journal of Computer Science and Communication	Jan to Dec 2018	2	0.03
35	International journal of Soft Computing and Bioinformatics	Jan to Dec 2018	2	0.03
36	International journal of Image Processing and Applications	Jan to Dec 2018	2	0.03
37	Linux for You (Now:Open Source For You)	Jan to Dec 2018	6	0.02
38	Digit	Jan to Dec 2018	12	0.03
39	Data Quest	Jan to Dec 2018	24	0.04
40	Developer IQ	Jan to Dec 2018	12	0.03
I.T				
41	Indian Journal of Networks and Applications	Jan to Dec 2018	2	0.04
42	Indian Journal of Advances in Computer Science and Technology	Jan to Dec 2018	2	0.04
43	Indian Journal of Information Security and Computer	Jan to Dec 2018	2	0.04
44	Indian Journal of Wireless and Mobile Communication	Jan to Dec 2018	2	0.03
45	Indian Journal of Computing and High Speed Networks	Jan to Dec 2018	2	0.04
46	Indian Journal in Computer Simulation	Jan to Dec 2018	2	0.04
47	CSI Communications	Jan to Dec 2018	12	0.04
Mechanical				
48	IEJ: Mechanical, Production, Aerospace, Marine Engg.(Series C)	Jan to Dec 2018	4	0.06
49	Manufacturing Technology Today (CMTI)	Jan to Dec 2018	12	0.03
50	Journal of Scientific & Industrial Research	Jan to Dec 2018	12	0.04
51	Journal of Entrepreneurship	Jan to Dec 2018	2	0.04
52	Overdrive	Jan to Dec 2018	12	0.02
53	Journal of Space Craft Technology	Jan to Dec 2018	2	0.03
54	IEJ-Metallurgical & Material / Mining Series	Jan to Dec 2018	2	0.03

Science				
55	Pramana Journal of Physics	Jan to Dec 2018	12	0.02
56	Resonance (Journal of Science)	Jan to Dec 2018	12	0.03
57	Advances in Fuzzy Mathematics	Jan to Dec 2018	3	0.04
58	Indian Journal of Physics	Jan to Dec 2018	12	0.08
Interdisciplinary				
59	University News	Jan to Dec 2018	52	0.01
60	Frontline	Jan to Dec 2018	26	0.02
61	Outlook	Jan to Dec 2018	52	0.02
62	Readers Digests	Jan to Dec 2018	12	0.02
Proposed Amount- Rs.				2.07

c. Equipment

Sr. No.	Proposed Item	Qty. Required	Unit Cost	Total
1	CCTV Camera	8	0.11	1.5
2	Barcode scanner	5	0.04	0.2
3	ID Card Printer	1	1.5	1.5
4	Web Camera	2	0.15	0.3
5	Digital Signature Pad	2	0.1	0.2
6	Hard disc 4tb	4	0.9	0.36
Total-				4.06

d. Maintenance Fund

Name of Dept.: Central Library

Sr. No.	Details of Repairs/ Material & Supply/ Maintenance, AMC, lab consumables, spares,	Unit Cost	Qty	Total
1	Slim21 AMC (Slim S/W Support & Upgradation)	0.3	1	0.3
2	Xerox M/C AMC (Maintenance)	0.05	1	0.07
3	Computer (Maintenance)	0.025	50	0.5
4	CCTV AMC		1	0.25
Total				1.12

Recurring Expendiure

Sr No	Particulars	Estimated Unit Rate
1	Newspapers, Periodicals and Magazines	1.00
2	Binding: Books & Journals, Lib. Stationary	1.50
3	Manpower (Skilled 2 & Unskilled 4)	4.00
4	Remuneration for Earn & Learn Scheme	2.00
5	Identity Cards	0.35
Total		8.85

Summary

Sr.No	Particulars	Expenditure	Total
1	3.State Government Plan Library	4	4.00
2	4.Development of Library/Book Bank: to be demanded from Social Welfare	4	4.00
3	8.Library Fee : to be submitted by library dept.		
	Library Books :		8.00
	e books	20	20.00
	Journals		31.25
	Journals Online	29	
	Print Journals	2.25	
	Maintenance Fund	1.12	1.12
	Equipments	4.06	4.06
	Recurring Expendiure	8.85	8.85
	Newspapers, Periodicals and Magazines		
	Binding: Books & Journals, Lib. Stationary		
	Manpower (Skilled 2 & Unskilled 4)		
	Renumeration for Earn & Learn Scheme		
Total			73.28

Recommended Book List for 2018-19

Sr. No.	Title	Author	Publisher	ISBN	Qty	PRICE	Amount
1	Fluid power with Applications	Anthony Esparito	Pearson	978-1292023878	3	550	1650
2	Pneumatic Controls	Joji P	Wiley India	978-8126515424	5	499	2495
3	Fluid power	Jagdisha T	Wiley India	978-8126539543	3	649	1947
4	Mechanical Vibration	S.S.Rao	Pearson	978-0132128193	5	859	4295
5	Machine Drawing	K.L.Nararyana	New age International	978-8122425185	3	397	1191
6	Thermal Engineering	Mahesh Rathore	Tata Mc-Graw hill	978-0070681132	5	965	4825
7	Theory of Machine	S.S.Rattan	Tata Mc-Graw hill	978-9351343479	3	650	1950
8	Theory & Design of Pressure Vessels	Harvey	CBS	978-8123910413	3	387	1161
9	Design of Machine Elements	V.B.Bhandari	Tata Mc-Graw hill	978-1259083518	5	675	3375
10	Basic Mechanical Engineering	R.B. Patil, B.L.Singhal	Tech.max	978-9350771587	3	305	915
11	Welding Technology	O.Khanna	Dhanpat Rai		5	310	1550
Department :Electrical Engineering							
1	Instrumentation: Measurement and Analysis	Nakra and Chaudhari	Tata McGraw Hill		5	350	1750
2	Electronic Instrumentation	H. S. Kalsi	McGraw Hill Education	978-0070583702	3	525	1575
3	Electrical Measurement and Measuring Instruments	E. W. Golding and Widdies	A. H. Wheeler and Co. Ltd		5	828	4140
4	Theory of Alternating Current Machinery	Alexander S Langsdorf	Tata McGraw-Hill	978-0070994232	3	200	600
5	Electric Machines	Kothari D.P, Nagrath I.J.	TMH Publications	978-0070699670	3	595	1785
6	Electric Machinery	Dr.Bimbhra P.S.	Khanna Publisher	978-8174091734	3	475	1425
7	Modern Digital Electronics	R. P. Jain	Tata McGraw Hill	978-0070494923	3	299	897
8	Fundamentals of Digital Circuits	Anand Kumar	Prentice-Hall India	978-8120350526	3	350	1050
9	Digital Principles and Applications	Donald P Leach, Albert Paul Malvino, GoutamSaha	Tata McGraw Hill	978-0028018218	5	1308	6540
10	Power System Analysis	Grainger John J and W D Stevenson Jr.	McGraw Hill	978-0070585157	5	695	3475
11	Modern Power System Analysis	I. J. Nagrath, D. P. Kothari	Tata McGraw Hill Publishing Co. Ltd	978-0071077750	5	599	2995
12	Power System Analysis and Design	J. D. Glover and M. Sarma	Brooks/ Cole Publishing	978-1111425791	3	24095	72285
13	Electric Power Systems	Weedy B M, Cory B J, John	Wiley Publication	978-0470682685	3	4650	13950
14	Electrical Engineering Drawing	Surjit Singh	Ktson books.	978-9350143056	3	164	492
15	Optimization G.V. Reklaites	A. Ravindran and K.M. Rogsdeth	Wiley, New York		2	569	1138
16	Power Electronics: Circuits Devices and Applications	M. H. Rashid	Pearson/Prentice Hall Publications	978-8129702296	2	950	1900
17	Power Electronics Converters, Applications and Design	Ned Mohan	Jonh Wiley and Sons.	978-8126510900	2	809	1618
18	Power Electronics: Principles and Applications	Joseph Vithayathil	McGraw Hill Publication	978-0070675551	3	945	2835
19	Modern Power Electronics and Drives	B. K. Bose	Prentice Hall PTR	978-0130167439	2	709	1418
20	Control Systems-Principles and Design	M. Gopal	Tata McGraw-Hill Education Pvt. Ltd	978-0071333269	5	640	3200
21	Modern Control Engineering	K. Ogata	Eastern Economy	978-8120340107	2	550	1100
22	Control System Engineering	I.J. Nagrath and M. Gopal	Anshan Publishers	978-9386070111	5	599	2995
23	Digital Control and State Variable Methods	M. Gopal	Tata McGraw Hill	978-0071333276	2	690	1380
24	Electronic Communication Systems	Roy Black	Indian edition, CengageLearning	978-0766826847	5	11455	57275

25	Principles of Electronic Communication System	Louis E. Frenzel		978-0073373850	3	4044	12132
26	Power System stability and Control	P.Kunder	McGraw Hill,	978-0070635159	2	899	1798
27	Power System Stability	E.W.Kimbark	Dover Publications	978-0471476191	3	949	2847
28	Real Time Control Of Electric Power System	B.Handschlw		978-0780334557	2	450	900
29	Recent Trends In Electric Energy System	J.Nanda And D.P. Kothari			3	625	1875
30	Flexible AC transmission systems	Yong Hua Song		978-0852967713	2	12952	25904
31	Electrical Power Systems Quality	Roger C. Dugan, Mark F. McGranton & H. Wayne	McGraw Hill		2	585	1170
32	Power System harmonics	J. Arillaga, DA Bradley & PS Bodger	John Wiley Sons	978-0471906407	2	2900	5800
33	Gate MCQS (Electrical) VOL.I,Vo	R.K.Khondia	Nodia & Company		2	735	1470
34	Gate made Easy (electrical)	Made easy	made easy publication		2	800	1600
Deparment :Civil Engineering							
1	Building Construction	B.C.Punmia	Laxmi Publication	978-8131807637	3	525	1575
2	Water and water engineering	Metcaf & Eddy		978-0073401188	2	12929	25858
3	Environmental Engineering	Peary & Rowe	Mc Graw Hills	978-9351340263	2	1050	2100
4	Environmental Impacct Assesmen	Larry Carter	Mc Graw Hills	978-0070097674	2	12186	24372
5	Soil Mechanics & Foundation	B.C.Punmia	Laxmi Publication	978-8170087915	3	695	2085
6	Construction Planning Equipmen	R.L.Peurifoy	Mc Graw Hills	978-0070706996	5	799	3995
7	Bridge Engineering	S.K.Pounsawany	Mc Graw Hills		3	1075	3225
8	Basic & Applied Soil Mechanics	Gopal Ranjan	New Age	978-8122440393	3	475	1425
9	Strength of Materials	R.K.Bansal	Laxmi Publication	978-8130808146	3	750	2250
10	Strength of Materials	S.Ramamrutham	Khanna Publication	978-8187433545	3	670	2010
11	Building Construction & Technolo	S.P.Arora	Dhanpat Rai	978-8189928803	3	300	900
12	Surveying Engineering -I	T.P.Kanetkar	Sri Padmavati	978-8185825007	3	250	750
13	Surveying Engineering -II	T.P.Kanetkar	Sri Padmavati Pub	978-8185825007	3	250	750
14	Strength of Materials	S.K..Hirde		978-9381432341	3	280	840
15	Bridge Engineering	S.C.Rangwala	Charotar Pub	978-8185594880	2	400	800
16	Tunnel Engineering	S.C.Rangwala		978-9385039133	3	350	1050
17	Building Construction & Material	S.Duggal		978-8122433791	2	350	700
18	Estimating, Costing & Evaluation	B.N. Datta		978-8174767707	3	504	1512
19	MPSC Civil Engineering (Part -1)	Gate		978-9351444923	3	450	1350
20	MPSC Civil Engineering (Part -2)	Gate			3	435	1305
21	Dynamics of Structure	Mukhopdhay		978-9350771587	5	809	4045
22	Programming in ANSI C 6th editio	E.Balguruswamy	Mc Graw Hill	978-1259004612	3	410	1230
23	CONTINUUM MECHANICS	George E.Mase	Mc Graw.Hill Book	978-0070406636	3	1625	4875
24	Dynamics of Structure	Mario paz		978-0412074615	3	394	1182
Deparment :MCA							
1	Introductory Methods of Numeri	S.S.Sastry	PHI	978-8120327610	4	195	780
2	Principles of Management	P.C.Tripathi & P.N. Reddy		978-1259050572	3	450	1350
3	Programming in c++: A Primer	E.Balguruswamy	Mc Graw Hill	978-0070702073	4	465	1860
4	Professional c++	Simon Robinson	Wrox publiction	978-0764557590	2	500	1000
5	Database System Concept	Korlh Sudarshan	Mc Graw Hill	978-0073523323	3	910	2730
6	Database Management Systems	Ramakrishnan & Gehrke	Mc Graw Hill	978-9339273114	2	799	1598
7	information network security	Neal Krawtz		978-1584504641	3	3929	11787

8	Database Management Systems	Raghuram krishnan	Mc Graw Hill	978-0072465631	3	799	2397
9	Wireless crime & Forensic inform	Gregory , kipper	CRC Press	978-1420013016	2	6192	12384
10	Embedded C	Michael J.Pont	Assison.Wesley	978-0201795233	3	6300	18900
11	E- Government concepts & case	C S R Prabhu		978-8120326477	5	325	1625
12	Fundamentals of computar algor	Horowitz & sahani,galgotia		978-8175152571	3	410	1230
13	Data Mining	Jiawai Han,Micheline K	M K	978-9380931913	2	510	1020
Department : Electronics and Telecommunication							
1	Sattelite communication	gerard maral & michel bousquet	Willey Publication, 5th edition	978-0471496540	2	5900	11800
2	Digital video processing	A. Murat tekalp	B.S. Publication	978-0131900752	2	6904	13808
3	Integrated Electronics	Jacob Millman,	Mc Graw Hill second Edition	978-0070151420	3	685	2055
4	Op-Amp and Linear Integrated Circuits	Ramakant A. Gayakwad	Pearson Education	978-9332549913	2	499	998
5	Linear Integrated Circuits	D. Roy Choudhury	New Age International Ltd.	978-8122430981	3	350	1050
6	Circuit & Network – Analysis & Synthesis	A. Sudhakar , Shyammohan S.Palli	Illrd Edition – Tata McGraw Hill Publication	978-9339219611	3	535	1605
7	Circuit Theory (Analysis & Synthesis)	A.Chakrabarti	Illrd Edition Dhanpat Rai & co.	978-8177000009	2	650	1300
8	Network Analysis	M.E.Van Valkenburg	Illrd Edition, Pearson Education/PHI		3	474	1422
9	Communication Systems	S. Haykin	4th edition, John wiley & Sons, 2000	978-8126509041	3	639	1917
10	Signals & system	Hsu	(Schaum’s outlines), Tata McGraw Hill	978-0585267319	3	550	1650
11	“Signals & system	Ramesh Babu	SciTech Publication	978-8183710176	3	547	1641
12	Fundamentals of signals & systems	Michael J. Roberts	Tata McGraw Hill	978-0073404547	2	700	1400
13	Signals Systems and Communication	B. P. Lathi	BS Publications	978-0471518358	3	495	1485
14	Engineering Electromagnetics	W.H Hayt. and J.A. Buck	7th edition, Tata McGraw Hill, 2006.	978-0073104638	4	650	2600
15	Electromagnetic Waves and Radiating System	E.C. Jordan and K.C. Balamin	2nd edition, Prentice Hall of India Private Limited, 1985	978-0132499958	3	499	1497
16	Programming Arduino Getting Started with sketches	Simon Monk	The McGrw Hill Companies,Student Edition, 2011	978-0071784221	2	1665	3330
17	Programming the Raspberry Pi: Getting Started with Python”	Simon Monk	2 nd Ed., 2015	978-0071807845	3	1042	3126
18	Getting Started with Arduino	Massimo Banzi	Student edition, 2009	978-1449309879	2	1148	2296
19	Antenna Theory: Analysis and Design	C Balanis	Wiley, India, 4thEdition 2016	978-1118642061	2	779	1558
20	Antennas for all application	J. D. Krauss	TMH, 3rdedition, 2002		2	520	1040
21	Power Electronics	P. S. Bhimra	Khanna Publishers, 3rd edition, 2006	978-8174092793	3	495	1485

22	Power Electronics	K.B. Khanchandani,M.D. Singh	Tata McGraw-Hill Education, Student Edition, 2008	978-0074633694	3	625	1875
23	Probability, Random Variables and Stochastic Processes	Papoulis and S. Unnikrishnan Pillai	Fourth Edition, McGraw Hill. 2002	978-0070486584	2	715	1430
24	Probability and Random Processes with Applications to Signal Processing	H. Stark and J. Woods	Third Edition, Pearson Education. 2002	978-0128102459	2	1373	2746
25	Computer Organization and Architecture: Designing for performance	W. Stallings	Prentice Hall of India, 6 th Edition, 2003	978-0136073734	2	300	600
26	Computer Organization	C. Hamacher, V. Zvonko, S. Zaky	McGraw Hill, 6th Edition, 2002	978-1259005275	2	760	1520
27	Digital Image Processing	Gonzalez & Woods	Pearson Education, 3rd Edition, 2009.	978-9332570320	3	799	2397
28	Digital Image Processing: An Approach	Madhuri Joshi	PHI Learning Pvt. Ltd, 1st Ed., 2006	978-8120329713	2	325	650
29	Image Processing, Analysis and Machine Vision	Milan Sonka et a	Thomson Learning, 2nd Edition, 2001.	978-8131518830	2	390	780
30	Digital Image Processing and Analysis	B. Chanda & D. Dutta Majumder	PHI Learning Private Limited, 2nd Edition, 2004	978-8120343252	2	325	650
31	Industrial Engineering and Management	O.P. Khanna	Dhanpat Rai Publication,17th Edition, 2010	978-8189928353	2	516	1032
32	Operation Research	Panneerselvam,	PHI Learning Publication, 2ndEdition,2009.	978-8120329287	3	394	1182
33	ISDN and Broadband ISDN with Frame Relay and ATM William Stallings		Prentice-Hall, 4th edition	978-0139737442	2	749	1498
34	Television and Video Engineering	A.M. Dhake,		978-0074601051	3	625	1875
35	Applied Electronics	R.S.Sedha	S.Chand	978-8121927833	2	850	1700
Department : I T							
1	Web Technology, 2016, 1st editi	Ralph Moseley, M T savaliy	willey publication	978-8126559510	2	379	758
2	HTMLS and CSS3,Level Up with T	Brian p.Hogan	Pragmatic Bookshelf	978-1937785598	1	1625	1625
3	Head First jquery ,September 20	Ryan Benedetti,Ronan C.	O"Reilly Media	978-1449393212	2	2757	5514
4	Head First HTMLS programming	Eric Freeman,elisabeth R.	O"Reilly Media	978-1449390549	1	3309	3309
5	JavaScript, A beginner's Guide 3	John Pollock	Mc Graw Hill	978-1548110956	2	1592	3184
6	HTMLS:Up and Running :Dive int	Mark Pilgrim		978-9350230824	2	475	950
7	Data Warehousing Fundamentals	Paulraj Ponniah	John Willey & Sons	978-0471472540	2	562	1124
8	Data Mining:Concepts and Techn	Jiawei Han and Micheline K.	Morgan Kaufmann	978-0123814791	1	1549	1549
9	Data Mining:Introductory and Ac	Margaret H Dunham	pearson Education	978-0130888921	2	1967	3934
10	Introduction to Data Mining 200	Pang-Ning Tan,Michelline s.	Person India	978-8131714720	2	320	640
11	Data Mining: Practical machine L	Ian H.Witten and Eibe F.	Morgan Kaufmann	978-0123748560	1	3831	3831
12	The Elements of statistical learni	T.Hastie, R.Tibshirani	springer	978-0387848570	1	2640	2640
13	Pattern Recognition and machine	C.M.Bishop	springer	978-0387310732	1	6519	6519

14	fundamentals of computer algorithm	Horowitz Ellis, Sahani S.	Universities Press	978-8173716126	2	475	950
15	Design and Analysis of algorithms	A.Aho. J.Hopcroft	pearson Education	978-0201000290	1	4776	4776
16	The Art of computer programming	D.E.Knuth	Addison Wesley	978-0321751041	1	17342	17342
17	Introduction to design and analysis	Goodman		978-0070663008	3	325	975
18	Introduction to Algorithms, PH, I	Thomas cormen, Charles L.	MIT Press	978-0262033848	1	1060	1060
19	Object-oriented Modeling and design	James Rumbaugh,Michael	pearson Education	978-8131711064	2	729	1458
20	the Unified Modeling Language UML	Grady Booch, James Rumba	Pearson Education	978-8177583724	1	909	909
21	Software Engineering- A Practitioner's Approach,6th edition	Roger S. Pressman	TMH	978-9339212087	2	820	1640
22	Language,3rd edition	Martin Fowler	Addision Wesley	978-8131715659	2		
23	Fundamentals of Object Oriented Design in UML,2000	Meilir Page-Jones	Pearson Education	978-8177586770	2	639	1278
24	Object Oriented Analysis & Design,1st edition	Atul Kahate,	Tata McGraw-Hill	978-0071088374	2		
25	Web Engineering: The Discipline of Systematic Development of Web Appli	Gerti Kappel, Birgit, Siegfried	John Wiley	978-0470015544	1	2776	2776
26	Cryptography and Network security principles and practices, 5th edition	Williams Stallings	Pearson Education	978-9332585225	1	679	679
27	Cyber Security,1st edition	Nina Godbole	Wiley Publications	978-8126521791	2	769	1538
28	Cryptography & Network Security,5th edition	B.A. Forouzan	McGrawHill	978-9339220945	1	675	675
29	Cryptography and network security,2nd edition	Atul Kahate	TMGH	978-1259029882	2	595	1190
30	Handbook of Applied Cryptography", 5th edition	Menezes, A. J., P. C. Van Oo	Jaypee medical	978-0849385230	1	2495	2495
31	Systems Programming, 1st Edition	D.M. Dhamdhere	McGraw Hill	978-0074635797	2	161	322
32	Compilers principles, techniques, & tools, 2nd Edition	Alfred V. Aho	Pearson Educatio	978-8131797310	2	499	998
33	System Programming	J. J. Donovan	Tata Mc-Graw Hill	978-0074604823	2	610	1220
34	Advanced Compiler Design Implementation	Steven S. Muchnick,	Morgan Kaufmann P	978-8131214039	1	637	637
35	Introduction to Systems Software	Dhamdhere, D.M.	Tata Mc-Graw Hill		2		
36	System Programming	Srimanta Pal	Oxford University Pr	978-0198070887	2	710	1420
37	System Programming and operating systems 2nd Edition	D.M. Dhamdhere	TMGH	978-0074635797	2	161	322
38	Lex & Yacc 2nd Edition	Doug Brown, John Levine, T	O'Reilly Media	978-8173660627	1	325	325
39	Database System Concept,4thEdition	Henry F. Korth, Abraham Sil	McGrawHill Inc.	978-9332901384	1	860	860
40	Fundamentals of Database System,5th Edition	Elmasri & Navathe	Addison Wesely Pub	978-9332582705	1	849	849
41	Database Management System, 3rdEdition	RamKrishnan, Gehrke	McGraw Hill Inc	978-9339213114	2	799	1598
42	Principles of DataBase Systems	J.D. Ullman	Galgotia Publication	978-8175155459	2	320	640
43	Database Design	Wiederhold,	McGraw Hill Inc	978-0070701328	2	1242	2484
44	A first course in Database System, 2nd Edition	Jeffrey D Ullman & Jennifer	Pearson Educat	978-9332535206	1	759	759

45	An Introduction to Database System, 8th Edition	C. J. Date.	Pearson Publication	978-8177585568	1	899	899
46	Data communications and Networking 4th Edition	Behrouz A. Forouzan	McGraw-Hill Publica	978-1259064753	2	715	1430
47	Data and computer communication"	William Stallings	Pearson Education	978-9332518865	1	839	839
48	Computer Networks, 3rd Edition	Andrew S.Tanenbaum	Prentice Hall India	978-9332518742	1	729	729
49	Digital and Analog Communication Systems	Shanmugam K,	John Wiley & Sons (	9971-51-146-0	2	250	500
50	Data Communications", 2004	Gupta P	PHI,	81 - 203 - 1118 – 3	2	150	300
51	Introduction to Data Communications and Networking, 2007	Wayne Tomasi	Pearson Education	81-317-0930-2	1	899	899
52	Data Communications and Networks, 2002	Godbole	Tata McGraw-Hill Pu	0 - 07 - 047297 – 1	2	152	304
53	Introduction to Automata Theory, Languages, and Computation, 3rd Editio	Hopcroft, Motwani, Ullman	Pearson Publication	978-8131720479	1	749	749
54	Introduction to the Languages and the Theory of Computation, 2003, 3rd	John.C.martin	Tata McGraw	978-0070660489	1	599	599
55	An Introduction to Formal Language and Automata, 4th Edition	Peter Linz	Narosa Publishing h	978-9384323219	2	350	700
56	Introduction to the Theory of Computation, 1997	Michael Sipser	Thomson Learning	978-8131525296	1	460	460
57	Theory of Computer Science: Automata, Languages and Computation, 3rd	K.L.P.Mishra,	PHI	978-8120329683	1	275	275
58	Computer Architecture & Organization, 3rd Edition	J. P. Hayes	McGraw-Hill publica	978-0071159975	1	595	595
59	Computer Organization and Architecture: Designing for Performance, 6th	W. Stallings	Pearson	81– 7808 -792 –8	1	440	440
60	Computer Architecture and Parallel Processing	Kai Hwang,	McGraw-Hill	978-1259029141	1	840	840
61	Computer Organization	Hamacher Zaky	McGraw-Hill Publica	978-1259005275	1	760	760
62	Computer Architecture and organization: An integrated Approach	Murdacca	Wiley India	978-8126511983	2	699	1398
63	Structured Computer Organization	A. Tanenbaum	Prentice Hall of India	978-9332571242	1	769	769
64	IBM PC and Clones, 10th Edition	B. Govindrajalu	TMH Publication	978-0070483118	1	899	899
Department : Chemistry							
1	Elementary organic Spectroscopy		S.Chand	978-8121928847	2	525	1050
2	Instrumental Method for chemical analysis	Chatwal A	Himalaya publication	978-9351420880	2	464	928
3	Qualitative Chemical Analysis	Arthur Vogel		978-8131723258	2	919	1838
TOTAL							6.02

Recommended Book List for 2018-19 Book Bank

Department : Mechanical Engineering

SN	Title	Author	Publisher	ISBN	Qty	PRICE	Amount
1	Fluid power with Applications	Anthony Esparito	Pearson	978-1292023878	15	550	8250
2	Pneumatic Controls	Joji P	Wiley India	978-8126515424	10	499	4990
3	Fluid power	Jagdisha T	Wiley India	978-8126539543	15	649	9735
4	Dseign of Machine Elements	V.B.Bhandari	Tata Mc-Graw hi	978-1259083518	10	675	6750
5	Mechatronics	Boltan w			10	759	7590
6	Energy and power engineering	Arora			10	700	7000
7	Noice and vibration	Denharton J.P.			10	650	6500
8	Material science and metallurgy	codgiri			10	505	5050
9	Internal combustion engines	ganeshan			10	645	6450
10	Automation production system and computer integrated	groover			10	729	7290

Department :Electrical Engineering

1	Electronic Instrumentation	H. S. Kalsi	McGraw Hill Education	978-0070583702	10	525	5250
2	Theory of Alternating Current Machinery	Alexander S Langsdorf	Tata McGraw-Hill	978-0070994232	15	200	3000
3	Electric Machines	Kothari D.P, Nagrath I.J.	TMH Publications	978-0070699670	10	595	5950
4	Electric Machinery	Dr.Bimbhra P.S.	Khanna Publisher	978-8174091734	15	475	7125
5	Modern Digital Electronics	R. P. Jain	Tata McGraw Hill	978-0070494923	10	299	2990
6	Modern Power System Analysis	I. J. Nagrath, D. P. Kothari	Tata McGraw Hill Publishing Co. Ltd	978-0071077750	15	599	8985
7	Engineering Optimization Theory and Practice	S. S. Rao	John Wiley	978-8122427233	10	499	4990
8	Optimization for Engineering Design	Kalyanmoy Deb	Prentice Hall of India	978-8120346789	10	350	3500
9	Control Systems-Principles and Design	M. Gopal	Tata McGraw-Hill Education Pvt. Ltd	978-0071333269	10	640	6400
10	Modern Control Engineering	K. Ogata	Eastern Economy	978-8120340107	5	550	2750
11	Control System Engineering	I.J. Nagrath and M. Gopal	Anshan Publishers	978-9386070111	10	599	5990
12	Electrical generation and utilization	H pratap			10	750	7500
13	Electrical maintainance and energ	S Rao			10	850	8500
14	Basic electrical	gaikwad			10	349	3490

Department :Civil Engineering

1	Building Construction	B.C.Punmia	Laxmi Publication	978-8131807637	10	795	7950
2	Fluid Mechanica & Hydraulics	R.K.Bansal	Laxmi Publication	978-8131808153	15	650	9750
3	Soil Mechanics & Foundation	B.C.Punmia	Laxmi Publication	978-8170087915	10	695	6950
4	Construction Planning Equipments	R.L.Peurifoy	Mc Graw Hills	978-0070706996	15	799	11985
5	Bridge Engineering	S.K.Pounsawany	Mc Graw Hills		10	1075	10750
6	Strength of Materials	R.K.Bansal	Laxmi Publication	978-8130808146	15	750	11250
7	Strength of Materials	S.Ramamrutham	Khanna Publication	978-8187433545	5	670	3350
8	Building Construction & Technolog	S.P.Arora	Dhanpat Rai Publication	978-8189928803	15	300	4500

9	Surveying Engineering -I	T.P.Kanetkar	Sri Padmavati Publication	978-8185825007	10	250	2500
10	Surveying Engineering -II	T.P.Kanetkar	Sri Padmavati Publication	978-8185825007	15	250	3750
11	Strength of Materials	Dhale , Tajne	Sai Jyoti Pub	978-9381432341	15	280	4200
12	Bridge Engineering	S.C.Rangwala	Charotar Publication	978-8185594880	10	172	1720
13	Tunnel Engineering	S.C.Rangwala	Charotar Publication	978-9385039133	15	350	5250
14	Building Construction & Material	S.Duggal	New Age Interna	978-8122433791	10	350	3500
15	Estimating, Costing & Evaluation	B.N. Datta		978-8174767707	15	504	7560
16	Water resorse engineering vol-2	Garg	Khanna		10	435	4350
17	Basic Civil engineering	Hiraskar	Dhanpath		15	350	5250
18	Advanced construction techniques	Puroshottaman			10	720	7200
19	Advance concrete desing	Shetty m s			10	650	6500
Department : MCA							
1	Introductory Methods of Numeric	S.S.Sastry	PHI	978-8120327610	10	195	1950
2	Principles of Management	P.C.Tripathi & P.N. Reddy		978-1259050572	10	550	5500
3	Programming in c++: A Primer	E.Balguruswamy	Mc Graw Hill	978-0070702073	10	465	4650
4	Database System Concept	Korlh Sudarshan	Mc Graw Hill	978-0073523323	10	910	9100
5	Database Management Systems	Ramakrishnan & Gehrke	Mc Graw Hill	978-9339273114	10	799	7990
6	Database Management Systems	Raghuram krishnan	Mc Graw Hill	978-0072465631	10	799	7990
7	Fundamentals of computar algorit	Horowitz & sahni,galgotia		978-8175152571	15	410	6150
8	Data Mining	Jiawai Han,Micheline K	M K	978-9380931913	10	510	5100
Department : Electronics and Telecommunication							
1	Circuit & Network – Analysis & Synthesis	A. Sudhakar , Shyammohan S.Palli	McGraw Hil	978-9339219611	10	535	5350
2	Circuit Theory (Analysis & Synthesis)	A.Chakrabarti	Dhanpat Rai & co.	978-8177000009	10	650	6500
3	Network Analysis, Illrd Edition,	M.E.Van Valkenburg	Pearson Ed.		10	474	4740
4	Communication Systems,4th edition,	S. Haykin	John wiley & Sons	978-8126509041	5	789	3945
5	“Signals & system	Ramesh Babu	SciTech Publication	978-8183710176	10	610	6100
6	Engineering Electromagnetics	W.H Hayt. and J.A. Buck	Tata McGraw Hill, 2006.	978-0073104638	5	650	3250
7	Antennas for all application	J. D. Krauss	TMH, 3rd edition, 2002		10	520	5200
8	Power Electronics	P. S. Bhimra	Khanna Publishers, 3rd edition, 2006	978-8174092793	5	495	2475
9	Computer Organization,	zaky	McGraw Hill,	978-1259005275	10	760	7600
10	Indusrial Engineering and Management17th Edition, 2010	O.P. Khanna	Dhanpat Rai Publication,	978-8189928353	5	516	2580
11	ISDN and Broadband ISDN with Frame Relay and ATM William Stallings 4th edition	william Stallings	Prentice-Hall,	978-0139737442	10	2000	20000
12	Modern Television Practice – Principles, Technology and ServiceEdition III, 2006	R.R. Gulati	New Age International Publication,	978-8122418682	10	353	3530
13	Television and Video Engineering	A.M. Dhake,		978-0074601051	5	625	3125
14	Digital image processing	Gonzalez	Person		10	799	7990
15	Remote sensing and gps	Bhatta	Oxford		10	699	6990

Department : IT

1	Data Warehousing Fundamentals:A comprehensive guide for IT prof.	Paulraj Ponniah	John Willey & So	978-0471472540	10	619	6190
2	Data Mining:Concepts and Techniques, july 2011,3rd edition	Jiawei Han and Micheline K.	Morgan Kaufmar	978-0123814791	10	1549	15490
3	The Elements of statistical learning, Data mining, Inference, and predict.	T.Hastie, R.Tibshirani	springer	978-0387848570	10	6530	65300
4	fundamentals of computer algorithms,2 nd edi.	Horowitz Ellis, Sahani S.	Universities Pres	978-8173716126	12	475	5700
5	Software Engineering- A Practitioner's Approach,6th edition	Roger S. Pressman	TMH	978-9339212087	10	820	8200
6	Systems Programming, 1st Edition	D.M. Dhamdhere	McGraw Hill	978-0074635797	10	300	3000
7	Storage network	vif troppen	Wiley India		10	549	5490
8	Cloud computing explained	buyya broberg	Wiley India		5	679	3395
9	Business methodology	leon alexis			10	820	8200
10	Big data microsoft and hadoop	by adam torgermen			5	745	3725

Total- 645050

TOTAL

6.45

Recommended Book List for 2018-19 Book Bank

Sr. No	Title	Author	Publisher	ISBN	Qty	PRICE	Amount
Civil Engineering							
1	Surveying Vol., I, II and III	Dr. B.C. Punmia			5	550	2,750
2	Surveying Vol., I&II	S. K. Duggal			5	650	3,250
3	Surveying and Levelling	N.N. Basak			5	450	2,250
4	Surveying Vol., I, II and III	Dr. K.R. Arora			5	575	2,875
5	Soil Mechanics and Foundations	B. C. Punmia			5	650	3,250
6	Soil Mechanics and Foundation Engineering	K.R. Arora			5	600	3,000
7	Fluid Mechanics and Hydraulic Machines	Dr. R.K.Bansal			5	500	2,500
8	Surveying Vol., I, II and III	Dr. K.R. Arora			5	575	2,875
9	Soil Mechanics and Foundations	B. C. Punmia			5	650	3,250
10	Soil Mechanics and Foundation Engineering	K.R. Arora			5	600	3,000
11	Fluid Mechanics and Hydraulic Machines	Dr. R.K.Bansal			5	500	2,500
Applied Mechanics							
1	Engineering Mechanics(WBUT)	Bhavikatti S.S	--do--	81-224-3507-8	5	195	975
2	Textbook of Engineering Geology	N CHenna Kesavulu	Macmillan	0230-63870-8	10	275	2,750
3	Basic Civil Engineering	G.K.Hiraskar			10	500	5,000
Mechanical Engineering							
1	Numerical Methods	Dr. B. S.Grewal			10	225	2,250
2	Numerical Methods	E. Balguruswamy			5	395	1,975
3	Applied Numerical Methods with MATLAB for Engineers and Scientists	S.C. Chapra			5	500	2,500
4	Strength of Materials	Ramamurtham			5	350	1,750
5	Strength of Materials	Dr. R. K. Bansal			10	375	3,750
6	Hydraulics, Fluid Mechanics and Machinery	Modi P N & Seth S N			5	275	1,375
7	Theory of Hydraulic Machinery	V.P. Vasandani			5	650	3,250
8	Theory of Machines	Ratan S.S.			5	375	1,875
9	Theory of Machines	P. L. Ballany			5	350	1,750
10	Theory of Machines	Thomas Bevan			5	350	1,750
11	Material science and metallurgy for engineers	V.D. Kodgire			10	625	6,250
12	Machine drawing	N.D. Bhatt and V.M. Panchal			5	500	2,500
13	Instrumentation Measurement and Analysis	B. C. Nakra, K. K. Chaudhry	MGH, 3rd Edition,2012.		10	500	5,000
14	Theory of Hydraulic Machinery	V.P. Vasandani			5	650	3,250
15	Theory of Machines	Ratan S.S.			5	375	1,875
16	Theory of Machines	P. L. Ballany			5	350	1,750
17	Theory of Machines	Thomas Bevan			5	350	1,750
18	Material science and metallurgy for engineers	V.D. Kodgire			10	625	6,250
19	Machine drawing	N.D. Bhatt and V.M. Panchal			5	500	2,500
20	Instrumentation Measurement and Analysis	B. C. Nakra, K. K. Chaudhry	MGH, 3rd Edition,2012.		10	500	5,000

Electrical Engineering							
1	Op-Amp and Linear IntegAmountd Circuits	Ramakant A. Gayakwad			5	800	4,000
2	Circuit & Network – Analysis & Synthesis	A. Sudhakar			5	550	2,750
3	Electrical Circuit Analysis”	Soni Gupta			5	2,000	10,000
4	Engineering Circuit Analysis	William H Hayt			5	450	2,250
5	Network Analysis	M.E.Van Valkenburg			5	650	3,250
6	Signals & system	Hsu			5	475	2,375
7	Signals & system	Ramesh Babu			10	350	3,500
8	Signals & system	Simon Haykin			5	550	2,750
9	Let us C	V. Kanetkar			5	550	2,750
10	Cloud Computing	Anthony Velte			15	550	8,250
11	Storage Network	Willey			15	750	11,250
12	Electrical Generation	Gupta			20	850	17,000
13	Electrical Machine Design	A.K.Swaney			15	500	7,500
14	Electrical Drives	Dubey			15	400	6,000
15	Non -Conventional Energy	Rai G.D.			20	350	7,000
16	Mechatronics	Mahale/Bolton			20	350	7,000
17	Extra High Voltage(Ac Transmission Engineering)	Begamudre			15	400	6,000
18	Basic Civil	Hiraskar			15	300	4,500
19	Engineering Drawing	N.D.Bhatt			15	325	4,875
20	Instrumentation	Nakra and Chaudhari			10	250	2,500
21	Electronic Instrumentation	H. S. Kalsi			5	850	4,250
22	Electronic measurements and Instrumentation	A. K. Sawhney			5	550	2,750
23	Modern Digital Electronics	R. P. Jain			5	450	2,250
24	Fundamentals of Digital Circuits	Anand Kumar			5	650	3,250
25	Modern Power System Analysis	I. J. Nagrath, D. P. Kothari			5	1,000	5,000
26	Power System Analysis	Hadi Sadat			5	1,200	6,000
INFORMATION TECHNOLOGY							
1	Compilers principles, techniques, & tools	Alfred V. Aho			5	500	2,500
2	Principles of DataBase Systems	J.D. Ullman			5	1,100	5,500
3	Computer Architecture & Organization	J. P. Hayes			5	750	3,750
4	Computer Organization and Architecture	W. Stallings			5	1,000	5,000
5	Software Testing	Yogesh Singh	Cambridge University Press,2011	978-1107012967	20	650	13,000
6	Compilers principles, techniques, & tools	Alfred V. Aho			5	500	2,500
7	Principles of DataBase Systems	J.D. Ullman			5	1,100	5,500
8	Computer Architecture & Organization	J. P. Hayes			5	750	3,750
9	Computer Organization and Architecture	W. Stallings			5	1,000	5,000
10	Software Testing	Yogesh Singh	Cambridge University Press,2011	978-1107012967	20	650	13,000

E&TC ENGINEERING							
1	Op-Amp and Linear IntegAmountd Circuits	Ramakant A. Gayakwad			5	800	4,000
2	Circuit & Network – Analysis & Synthesis	A. Sudhakar			5	550	2,750
3	Electrical Circuit Analysis”	Soni Gupta			5	2,000	10,000
4	Engineering Circuit Analysis	William H Hayt			5	450	2,250
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9	Let us C	V. Kanetkar			5	550	2,750
10	Storage Network	Willey			15	750	11,250
11	Electrical Generation	Gupta			20	850	17,000
12	Electrical Machine Design	A.K.Swaney			15	500	7,500
13	Electrical Drives	Dubey			15	400	6,000
14	Non -Conventional Energy	Rai G.D.			20	350	7,000
15	Mechatronics	Mahale/Bolton			20	350	7,000
16	Extra High Voltage(Ac Transmission Engineering)	Begamudre			15	400	6,000
17	Basic Civil	Hiraskar			15	300	4,500
18	Engineering Drawing	N.D.Bhatt			15	325	4,875
19	Engineering Mechanics	Bhavikatti			20	500	10,000
20	Principles Of Electronics	V.K.Mehta			15	550	8,250
TOTAL							4.20

Hostel Fees Fund

Name of Dept.: Hostel (B,C,D , M & Jijau)

List of Equipment to be purchase for the year 2018-2019

Sr. No.	Proposed Item with specification	Qty. Required	Estimated Unit Rate	Estimate Amount	Justification
1	Hostel Cot Size 2.5*6"	150	0.025	3.75	To provide students at hostel
2	Hostel Study Table 2.5*2"	100	0.015	1.50	To provide students at hostel
3	Study Chairs (Powder Coated)	100	0.005	0.50	To provide students at hostel
4	Desktop Computer (Inteli5, 8 GB RAM, 1TB HDD, DVD R/W drive, 18 Monitor, Optical mouse, keyboard)	1	0.5	0.50	Hostel Documentation
5	Xerox Machine	1	0.9	0.90	Hostel Documentation
6	Printer Toner Refill	3	0	0.10	Hostel Documentation
7	Plumbing Material	All Hostel	Lumsum	2.50	For the Plumbing Matainance
8	New Solour Water System	2	8	16.00	For the Jijau & B Hostel Students
9	Mobile Phones along with Sim Cards	8	0.03	0.24	For the Communication Purpose of Watchman & Warden
10	Sintex Water Tank 2000 lit.	5	0.2	1.00	Old Tank Damage Hence Required new Purchase all 5 Hostel
11	New Electrical material (Tube, Choke, Wire, MCB.etc	5 Hostel	Lumsum	3.00	For the Electrical Matainance of All Hostel
TOTAL				29.99	

Hostel Fees Fund**Name of Dept.: Hostel (B,C,D , M & Jijau****List of Hostel Maintenance work for the year 2018-2019**

Sr. No.	Name of Item	Details of Repair	Approximate Unit Rate	Estimate Amount	Justification
1	Coloring of Hostel Rooms B	40 Rooms	0.01	0.40	To improve ambience at hostel
2	Coloring of Hostel Rooms C	60 Rooms	0.01	0.60	To improve ambience at hostel
3	Coloring of Hostel Rooms D	40 Rooms	0.01	0.40	To improve ambience at hostel
4	Coloring of Hostel Rooms M	20 Rooms	0.01	0.20	To improve ambience at hostel
5	Pest Control	5 Hostel	0.10	0.50	For Student safety
6	Water Tank cleaning	5 Hostel	0.25	1.25	To maintain Hygen
7	Hostel cleaning	5 Hostel	0	3.12	To maintain Cleanliness
8	Electrician Honorarium	5 Hostel	Lumsum	1.32	Electrician Honorarium
9	Plumber Honorarium	5 Hostel	Lumsum	0.60	Plumber Honorarium
10	Carpainter Material & Honorarium	5 Hostel	Lumsum	0.75	To repair Door, window etc.
11	Solar Maintenance	3 Hostel	0.5	1.50	To maintain Solar system
12	Grass Cutting	5 Hostel	0.05	0.25	Front and around Hostel
13	Mobile Recharge	All Hostel	Lumsum	0.10	To Recharge Watchman & Warden Mobiles
14	Parking Stands	4 Hostel	0.75	3.00	For Vehical Parking of Hostel Students (B, C, D. P.G.)
15	Mosquito Net (Ground Floor of each Hostel)	All Hostel	Lumsum	4.00	For Student safety
16	Dish T.V. Recharge With HD & Eklavya Channel	5 Hostel	0.07	0.35	For Education & Entertainment Of Student
17	Gardening	3 Hostel	Lumsum	1.00	For Beautification & Ambience at Hostel (C, D, Jijau)
18	Hostel Ganesh Festival	5 Hostel	0.10	0.50	For Student Tradition
19	Guest Room J Hostel	1 Hostel	1.0	1.00	It Required For Guest & Parents of Student
20	H Girls Hostel	1	1.50	1.50	H Hostel Net For Window
21	Hostel Clark	1	0.02	0.02	For Petrol Mobile Recharge.Etc.
22	Honorarium Of Doctor	1	Lumsum	0.60	Honorarium Of Doctor per anum
23	Hostel Clark	2	0.12	0.24	Girls & Boys Hostel Office
24	Plumber	1	0.10	0.10	Hostel Plumbing Maintenance
25	Car Painter	1	0.10	0.10	Hostel Car Painter Maintenance
TOTAL				23.40	

Budget for Hostel Internet

Sr. No.	Name of Equipment	Quantity	Unit Cost In lacs	Total Cost	Justification
1	Structured Cabling Networking consisting of cable (305m box), I/O box, Patch Cord, including capping, testing of nodes, OTDR and fluke meter	720	0.015	10.80	for 720 nodes (per room 3 wired connections), for four hostels having capacity C and D 60 each, girls hostel-80 and B Hostel-40, including capping, testing of nodes, OTDR and fluke meter
2	LeaseLine for 100 Mbps Subscription	1	10	10.00	
3	Server	1	3	3.00	
4	UPS	35	0.05	1.75	
5	Managable Switches	35	1.5	52.50	
6	Racks	35	0.05	1.75	
7	Jack Panel	35	0.05	1.75	
TOTAL				81.55	

GRAND TOTAL

134.94

9. Internet Fee : Budget for the year 2018-19

EQUIPMENT

Name of Dept.:		Computer Center and Data Center				
Sr. No	Name of Dept	Details of Repairs/ Material & Supply/ Maintenance, AMC, lab consumables, spares,	Unit Cost	QTY	Total	Justification
1	Computer Center	Keyboards, Mouse, Switches, Patch cord other network related tools or parts	--	--	1.00	Maintenance and consumables
2	Computer Center	Link Load Balancer	13	1	13.00	For Load balancing of Internet leased line for Establishing sapret
3	Data Center	NMS with Display	15	1	15.00	For Network Management System
4	Data Center	RFID based Monitoring System using hardware and software	for digitization of campus	1	25.00	Digitization of Campus using RFID
5	Computer Center	Air Conditioner for Computer Centre	1.5 tonne	15	6.75	
6	Computer Center	Wireless Routers	0.1	30	3.00	For widening Wireless infrastructure in campus
Total					63.75	

MAINTAINANCE

Name of Dept.:		Computer Center and Data Center				
Sr. No	Name of Dept	Details of Repairs/ Material & Supply/ Maintenance, AMC, lab consumables, spares,	Unit Cost	QTY	Total (Rs. in lacs)	Justification
1	Data Center	Man Power (Maintenance Engineer for CWN)	1	1	5.00	Maintenance of newly established CWN for three years as per terms and conditions of PO. One year already paid
2	Data Center	Antivirus New Purchase or renewal	Rs 2.75 lakh for 500 users per year	For 500 Users till '1 year	2.75	For Computer Safety and security from malious data
3	Computer Center	AMC for Computer	0.025 for two year (per year 2500/- for one computer)	150	3.75	As the machines are 3 year old hence need to have AMC. For Hardware support of 150 computers in Computer Center
4	Data Center	AMC for Biometric, Fire Alarm/ Water leak Detection System/ Fire Suppression kit etc.	for one year lumpsum		1.50	Safety, Security and survilance at Data Center

5	Data Center	Websence renewal of liscence	Rs 4.15 lakh for 500 users per year	For 500 Users till '1 year	4.15	For Computer Safety and security from malious data
6	Data Center	Internet Leased Line Subscription for upgradtion	300 Mbps BSNL leased line	1	25.00	For Internet Speed and bandwidth
7	Data Center	Website Hosting and Domain Renewal Subscription	Renewal of website space and domain	1	0.50	For Website Management
8	Computer Center	UPS AMC	0.19	4	0.38	For maintaining UPS
9	Computer Center	Printer Servicing	0.015	6	0.03	Required for Printing maintainance
10	Computer Center	Leserjet Printer Towner Refilling	0.017	6	0.10	Required for Printing of official work, proposals etc.
11	Computer Center	General Maintenance,	--	--	0.70	General Maintenance,
12	Computer Center	Stationary & consumables	--	5 Rim, Stappler, Stappler pins, Pencil, Rubber, whiteboard marker pen	0.06	For Documentation and official purpose
13	Computer Center	Carpet at CCF	200 per Sqft	70 X 40 feet	0.60	For Healthy and dust proof Enviroment
14	Data Center	Insurance For data center and computer center and components in entire campus for used for campus wide network including digital library	lumsump for one year	1	10.00	For insuring components of campus wide network
Total					54.52	

GRAND TOTAL

118.27

MODROB

Information Technology

Sr. No	Particulars	Qty	Amount	Justification
1	Modrob Network Lab	1	1.08	
Total			1.08	

Master of Computer Application

Sr. No	Particulars	Qty	Amount	Justification
1	Laptop	3	1.50	for Staff use
2	Printers latest laser printer with scanner 3 in one	2	0.30	for Department use
Total		5	1.80	