

## K. K. WAGH INSTITUTE OF ENGINEERING EDUCATION & RESEARCH

### LIST OF EQUIPMENT S DEPARTMENTWISE /LABORATORY WISE WITH COST

Sr. No	Name of Department/ Laboratory	Equipment Cost		Equipment Cost	
		Without Software	With Software	Without Software	With Software
<b>E)</b>	<b>E. &amp; TC. DEPARTMENT</b>	<b>UG Courses</b>		<b>PG Courses</b>	
1	Power & VLSI Lab	4027279.13	3836503.00		
2	Industrial Electronics Lab	1020707.74	1050886.00		
3	Computer Lab	7998827.35	8876734.00		
4	Instrumentation & Control Lab	1613882.00	1680963.00		
5	Basic Electronics Lab	1339109.13	1225679.00		
6	Communication Lab	4353474.25	2714505.00	510920.00	60000.00
7	Medical Electronics Lab	2091651.13	2015010.75	292430.50	70700.00
8	Audio Video Hall (Lab)	56500.00	79697.13		
9	Hardware Lab	383619.61	525000.00		
10	Software Lab (PG)	0.00	0.00	56500.00	
	<b>TOTAL</b>	<b>22885050.34</b>	<b>22004977.88</b>	<b>859850.50</b>	<b>130700.00</b>

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<b>F)</b>	<b>INFORMATION TECHNOLOGY DEPARTMENT</b>	<b>UG Courses</b>		<b>PG Courses</b>	
1	Hardware Lab	1375780.00	1224584.00		
2	Network Lab(Programing Lab-I)	1981986.55	1300839.50		
3	Network Lab(Programing Lab-II)	2060590.00	1351368.25		
4	Software Lab-I	903240.00	996619.00		
5	Software Lab-II	986764.00	1233309.00		
6	Project Lab - I	2146468.00	2409599.00		
7	Project Lab - II	1060484.00	0.00		
8	Language Lab	36351.00	0.00		
9	Linux Laboratory	1481648.30	806648.30		
10	Audio Video Section	281797.16	164797.02		
11	Maintenance Section	310648.00	527706.50		
	<b>TOTAL</b>	<b>12625757.01</b>	<b>10015470.57</b>	<b>0.00</b>	<b>0.00</b>

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<b>G)</b>	<b>MECHANICAL DEPARTMENT</b>	<b>UG Courses</b>		<b>PG Courses</b>	
1	Engine Lab	2011877.00	30718877.00		
2	CAD/CAM Lab	3828503.00	3798562.00		
3	Fluid Machinery Lab	799142.00	799142.00		
4	Heat Transfer Lab	426630.00	426630.00		
5	Machine Lab	1009904.00	1009904.00		
6	Simulation and Modelling Lab	1586296.00	535558.00		
7	Refrigeration & Airconditioning Lab	285568.00	634027.00		
8	Steam Power Plant Lab	610310.00	610310.00		
9	Design Hall	513502.00	342412.00		
10	Mechatronix Lab	763478.00	966874.00		
11	Non conventional lab	587650.00	587650.00		
12	Design Software Lab(Cad-Cam New)	2670087.00	2582827.00		
	<b>TOTAL</b>	<b>15092947.00</b>	<b>43012773.00</b>	<b>0.00</b>	<b>0.00</b>

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<b>H)</b>	<b>PRODUCTION DEPARTMENT</b>	<b>UG Courses</b>		<b>PG Courses</b>	
1	Computer Graphics Lab	3835107.00	5077261.05		
2	Engineering Metallurgy Lab	1084403.00	1123278.00		
3	Metal Cutting Lab	250898.00	289773.00		
4	Automation Lab	514138.00	1891266.00		
5	Metrology & Quality Control Lab	619477.00	658355.00		
6	Foundry + LPDC Lab	765045.00	819420.00		
7	Dia & Mould Design Lab	159560.00	249035.00		
8	Engineering Graphics Hall (Lab)	186764.00	233114.00		
9	CAD / CAM Lab	0.00	0.00	1025658.00	1755022.00
10	Non Traditional Processing Lab	0.00	0.00	734066.00	800733.00
11	Robotics Lab	0.00	0.00	615483.00	575150.00
	<b>TOTAL</b>	<b>7415392.00</b>	<b>10341502.05</b>	<b>2375207.00</b>	<b>3130905.00</b>

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Sr. No	Name of Department/ Laboratory	Equipment Cost		Equipment Cost	
		Without Software	With Software	Without Software	With Software
<b>A)</b>	<b>COMPUTER DEPARTMENT(UG)</b>	<b>UG Course</b>		<b>PG Courses</b>	
1	Microprocessor Lab	3118880.43	2787849.77		
2	Network Lab	4653049.80	4418600.00		
3	Unix Lab	4493120.80	4005471.00		
4	Multimedia Lab	2568180.80	2083000.00		
5	Audio Vedio Section	6522500.00	6522500.00		
6	Maintenance.	4744086.00	4744086.00		
7	Project	4752974.90	3919883.50		
8	Basic Electronics Circuit	981430.80	817250.00		
9	Software Lab- I	150779.63	3600.00		
10	Software Lab- II	0.00	0.00		
11	Research Lab	2299013.80	1975653.00		
12	Software Lab - III & IV	3234989.90	2597360.50		
13	Software Lab - V & V	2570180.80	2072000.00		
14	PG Lab -I	0.00	0.00	2814060.40	1641700.00
15	PG Lab -II	1480720.00	1403809.00		
	<b>TOTAL</b>	<b>41569907.66</b>	<b>37351062.77</b>	<b>2814060.40</b>	<b>1641700.00</b>

<b>B)</b>	<b>CHEMICAL DEPARTMENT</b>	<b>UG Courses</b>		<b>PG Courses</b>	
1	Mechanical Operation	804527.61	804227.61		
2	Process Modelling & Simulation	2873087.00	3567791.00		
3	Process Dynamics & Control	323882.00	323882.00		
4	Instrumentation & Instrumental Analysis	777069.00	777069.00		
5	Mass Transfer - I	506021.00	506021.00		
6	Mass Transfer -II	876908.00	876908.00		
7	Chemical Reaction Engg. Lab	294506.00	294506.00		
8	Project Lab	1509125.00	1509125.00		
9	Seminar Hall	67302.00	67302.00		
	<b>TOTAL</b>	<b>8032427.61</b>	<b>8726831.61</b>		

<b>C)</b>	<b>CIVIL DEPARTMENT</b>	<b>UG Courses</b>		<b>PG Courses</b>	
1	Geotechnical Engineering	1983385.00	2054629.00		
2	Transportation Engineering	1093020.00	826480.00		
3	Fluid Mechanics	2237764.00	2196862.00		
4	Computer	2233988.52	4041189.00	45418952.00	2777363.00
5	Environmental Engineering	1675889.00	1836016.00		
6	Engineering Geology	109493.00	109493.00		
7	Surveying	2472390.00	2277802.00		
8	Materials Testing	4095924.00	4538131.00	4893848.00	2411211.00
9	Engineering Machines	105164.00	317164.00		
10	Vishveswarya Hall	339989.00	339989.00		
	<b>TOTAL</b>	<b>16347006.52</b>	<b>18537755.00</b>	<b>50312800.00</b>	<b>5188574.00</b>

<b>D)</b>	<b>ELECTRICAL DEPARTMENT</b>	<b>UG Course</b>		<b>PG Courses</b>	
1	Electrical Machines - 1	986537.15	963375.15		
2	Electrical Machines - 2 & 3	5249392.22	5158268.97		
3	ACCT Lab	185806.24	185806.24		
4	Material & HV Lab	4319174.00	4319174.00		
5	Control System -1	453824.00	446200.00		
6	Network Lab	299509.00	299509.00		
7	Electrical Measurement Lab	2070399.14	2070399.14		
8	Switchgear & Protection Lab	4179717.42	6961349.42		
9	Software Lab	4058708.00	5819421.00		
10	ME Control System Lab	0.00	0.00	2703800.00	3227689.00
11	ME Power System	0.00	0.00	3102800.04	3102800.04
12	Research	0.00	0.00	2354698.23	4871525.23
	<b>TOTAL</b>	<b>21803067.17</b>	<b>26223502.92</b>	<b>8161298.27</b>	<b>11202014.27</b>

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<b>I)</b>	<b>SCIENCE</b>	<b>UG Courses</b>		<b>PG Courses</b>	
1	Physics	1823030.00	1707842.00		
2	Chemistry	1901375.00	954851.00		
	<b>TOTAL</b>	<b>3724405.00</b>	<b>2662693.00</b>		

<b>J)</b>	<b>WORKSHOP</b>	<b>UG Courses</b>		<b>PG Courses</b>	
1	Carpentry Pattarn Making	311384.00	139197.00		
2	Fitting Shop	156975.00	112733.00		
3	Black Smithy	46500.00	42000.00		
4	Welding & Fabrication Lab	403954.00	394527.00		
5	Tin Smithy	162157.00	162157.00		
6	Turning & Machine Shop	9866379.00	8162355.00		
7	CNC & Others	158470.00	158470.00		
	<b>TOTAL</b>	<b>11105819.00</b>	<b>9171439.00</b>		

<b>K)</b>	<b>M.B.A.</b>	<b>UG Courses</b>		<b>PG Courses</b>	
1	Computer Lab -I			780250.00	1117750.00
2	Computer Lab -II			1611830.00	1284280.00
	Computer Lab -III			99000.00	38500.00
3	Meeting Hall			239000.00	87000.00
	<b>TOTAL</b>			<b>2392080.00</b>	<b>2402030.00</b>

<b>L)</b>	<b>M.C.A.</b>	<b>UG Courses</b>		<b>PG Courses</b>	
1	MCA Lab -I			1857890.00	1953648.00
2	MCA Lab -II			1154298.00	1903680.00
3	MCA Lab - III			1676605.00	1676605.00
	<b>TOTAL</b>			<b>4688793.00</b>	<b>5533933.00</b>
	<b>Total Cost in Rs.</b>	<b>160601779.31</b>	<b>188048007.80</b>	<b>71604089.17</b>	<b>29229856.27</b>

Total No. of Laboratories (UG) 90


Total No. of Laboratories (PG) 15

105

Total Cost of Equipment 2172.78

Total Cost of Equipment including software UG 1880.48

Total Cost of Equipment including software PG 292.30

  
**PRINCIPAL**  
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 Education & Research  
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