



POORNIMA

COLLEGE OF ENGINEERING

Approved by AICTE
Affiliated to Rajasthan Technical University, Kota
Recognized by UGC under Section 2(f) of the UGC Act, 1956

4.1.1 Research Facilities in Poornima College of Engineering

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)
• Phone: +91-9829255102, +91-9414728922 • E-mail: principal.pce@poornima.org
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Criteria	4 - Infrastructure and Learning Resources
Key Indicator	4.1 Physical Facilities
Metric No.	4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga center etc. in the institution

Research Facilities in Poornima College of Engineering

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4.1.1 Research Facilities in Department of Electrical Engineering

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Research Facilities

S. No	Name of Equipment	Laboratory	Date of purchase se & cost	Bill no. & Date
Research Facility in Electric Drives Lab Engineering				
1	3-Phase Induction motors, S.no. A-090270-271, (Rotomatic A-090271, 71)	Electric Drives Lab	9.9.2014	1415/3272/9.9.2014
2	AC Synchronous motor, S.no. 983	Electric Drives Lab	9.9.2014	1415/3272/9.9.2014
Research Facility in Electrical Machine Lab Engineering				
3	Control panel OC/SC test of 3 phase transformers	Electrical Machine Lab	20.02.20 06	20.02.2006
4	Control panel Scott connection of 3 phase transformer	Electrical Machine Lab	20.02.20 06	20.02.2006
Research Facility in Protection Lab Engineering				
5	Burden effect of CT (setup)	Power System Protection Lab	18.08.20 04	EL8831/18.08.2004
6	40 litre oil filtering test set	Power System Protection Lab	10.09.20 12	EL/3764/1213/10.09.2012
7	High voltage circuit breaker testing unit	Power System Protection Lab	10.09.20 12	EL/3764/1213/10.09.2012
8	High voltage transmission line simulation panel	Power System Protection Lab	10.09.20 12	EL/3764/1213/10.09.2012
9	HT & LT bushing, lightening arrester	Power System Protection Lab	10.09.20 12	EL/3764/1213/10.09.2012
Research Facility in Power Electronics Lab Engineering				

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10	Phase controlled rectifier SCR Aditron	Power Electronics Lab	24.04.20 04	1061/24.04.200 4
11	Single Phase Half Controlled Symmetrical & Asymmetrical Rectifier_ET THYSET_5/6 MR	Power Electronics Lab	17.11.20 10	EL5101/17.11. 2010
12	Voltage Commutated Chopper ET THYSET_20 MR	Power Electronics Lab	23.03.20 07	36194/23.03.20 07
13	Single phase PWM inverter Thyristor ET THYSET_25 MR	Power Electronics Lab	23.03.20 07	36193/23.03.20 07
14	Single phase PWM inverter_PET- 422	Power Electronics Lab	07.05.20 11	EL01040/07.05 .2011
15	Single phase Parallel inverter ET THYSET_18MR	Power Electronics Lab	23.03.20 07	36193/23.03.20 07
16	Buck Boost Regulator ET THYSET_21 MR	Power Electronics Lab	23.03.20 07	36193/23.03.20 07
17	Control the speed of AC motor using AC Converter with close loop option F/B with fan Rider_Powercon	Power Electronics Lab	15.02.20 06	998/24.02.2006
18	CRO 30 MHz Scientific EE/PE/CRO/4/1	Power Electronics Lab	28.01.20 03	28.01.2003
Research Facility in Research & Development lab in Electrical Engineering				
19	UV machine	Research & Development Lab	01.06.20 12	EL/01465/1213 /01.06.2012
20	Etching Machine	Research & Development Lab	01.06.20 12	EL/01465/1213 /01.06.2012
21	Roller tinning machine	Research & Development Lab	01.06.20 12	EL/01465/1213 /01.06.2012
22	PCB drilling machine	Research & Development Lab	23.01.20 13	EL/06998/23.01.2013
23	Photo Resist Dip Coating Machine	Research & Development Lab	01.06.20 12	EL/01465/1213 /01.06.2012

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24	Dye Developer machine	Research & Development Lab	23.01.20 13	EL/06990/12-13/23.01.2013
Research Facility in PLC/SCADA lab in Electrical Engineering				
25	Computerised Variable Compression Ratio Diesel Engine coupled with Eddy current dynamometer	PLC/SCADA lab	10.09.20 15	08750/1563/10.09.15
26	PLC based monitoring and sequence controller system	PLC/SCADA lab	10.09.20 15	08790/1568/10.09.15



Equipment Name: 3-Phase Induction motors

Make and Model: Powercon

Cost: Rs. 16000/- **Year of Purchase:** 9.9.2014

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Equipment Name: AC Synchronous motor

Make and Model: Powercon

Cost: Rs. 32000/- **Year of Purchase:** 9.9.2014


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Equipment Name: Control Panel OC/SC Test of 3 Phase Transformer

Make and Model: PCE/EE/000173

Cost: Rs. 45000/- **Year of Purchase:** 9.9.2014


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Equipment Name: Control Panel Scott Connection of 3 Phase Transformer

Make and Model: PCE/EE/000148

Cost: Rs. 67000/- **Year of Purchase:** 9.9.2014


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Equipment Name: Burden Effect of CT

Make and Model: Powercon

Cost: Rs. 50000/-

Year of Purchase: 18.08.2004

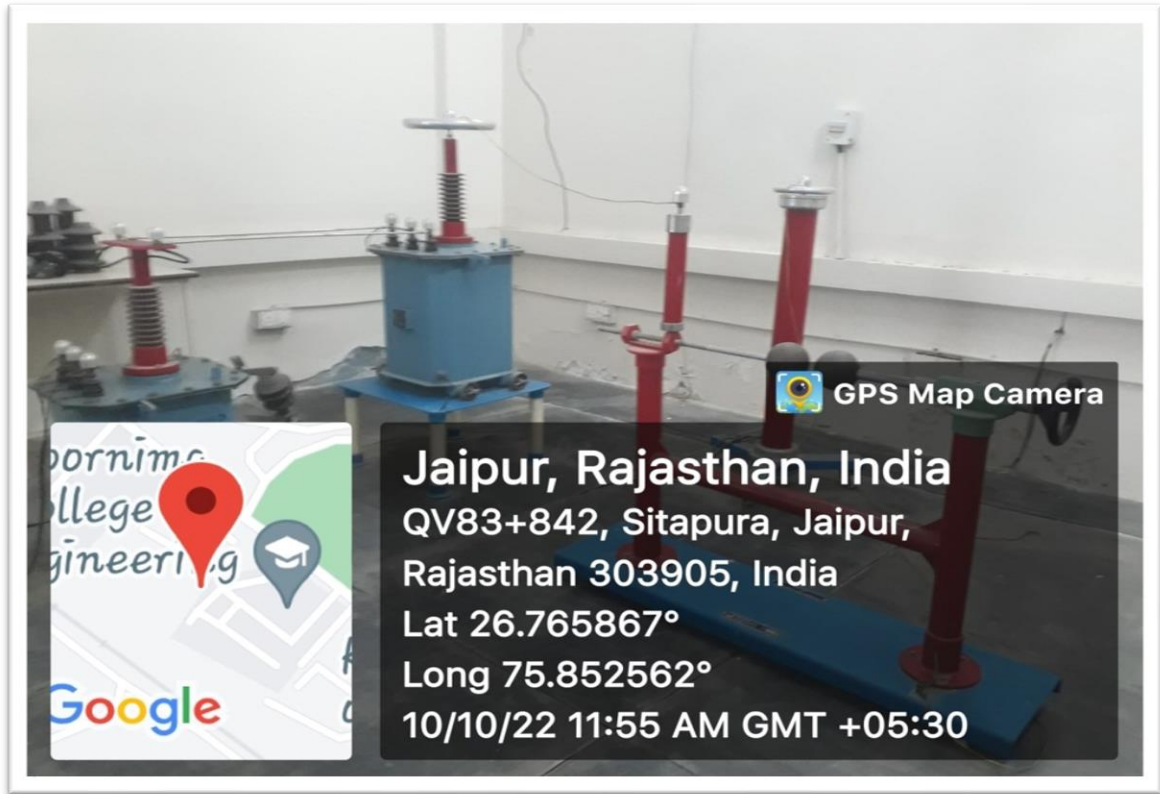

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Equipment Name: HT & LT bushing, lightening arrester

Make and Model: High voltage (INDIA)

Cost: Rs. 57000/- **Year of Purchase:** 9.9.2014


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Equipment Name: Oil Testing Machine
Make and Model: Protection systems (INDIA)
Cost: Rs. 87000/- **Year of Purchase:** 9.9.2014

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Equipment Name: High voltage transmission line simulation panel

Make and Model: Protection systems (INDIA)

Cost: Rs. 75000/- **Year of Purchase:** 9.9.2014

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Equipment Name: Transformer oil filtering Machine

Make and Model: High voltage (INDIA)

Cost: Rs.150000/- **Year of Purchase:** 9.9.2014

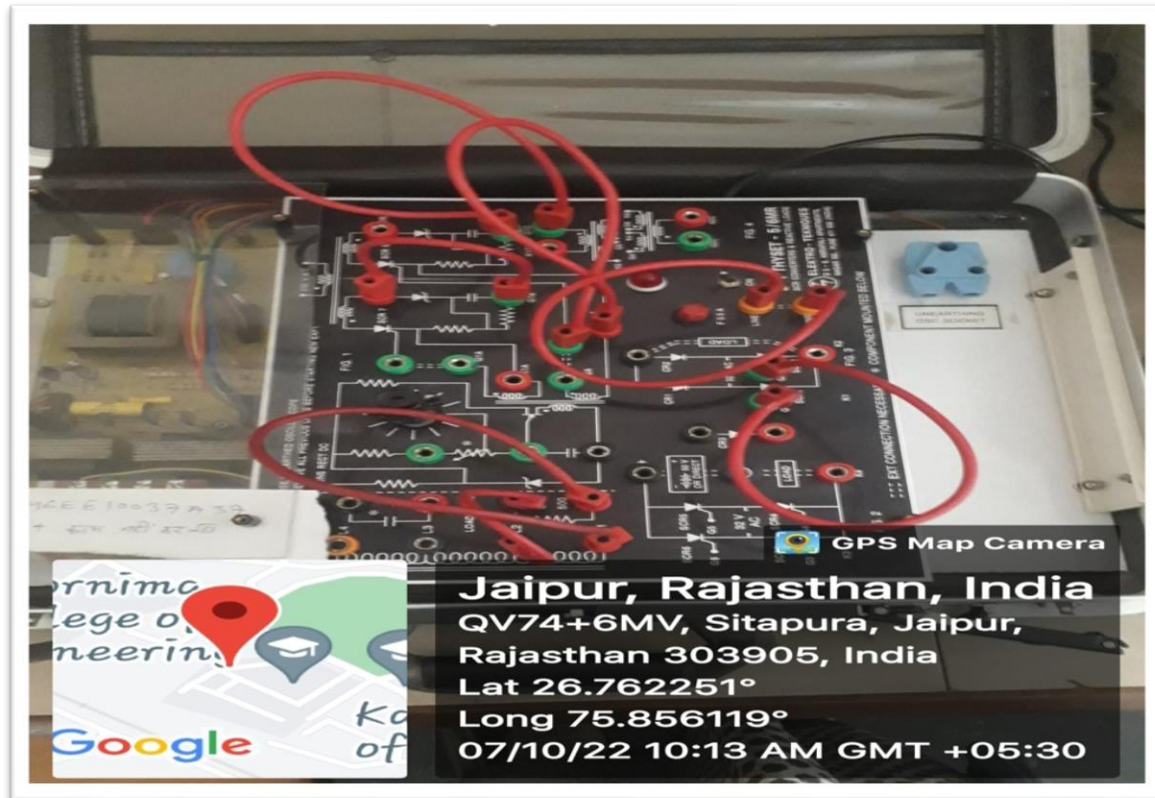
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Equipment Name: Single Phase Half Controlled Symmetrical & Asymmetrical Rectifier

Make and Model: ET THYSET_5/6 MR

Cost: Rs. 25000/- **Year of Purchase:** 17.11.2010

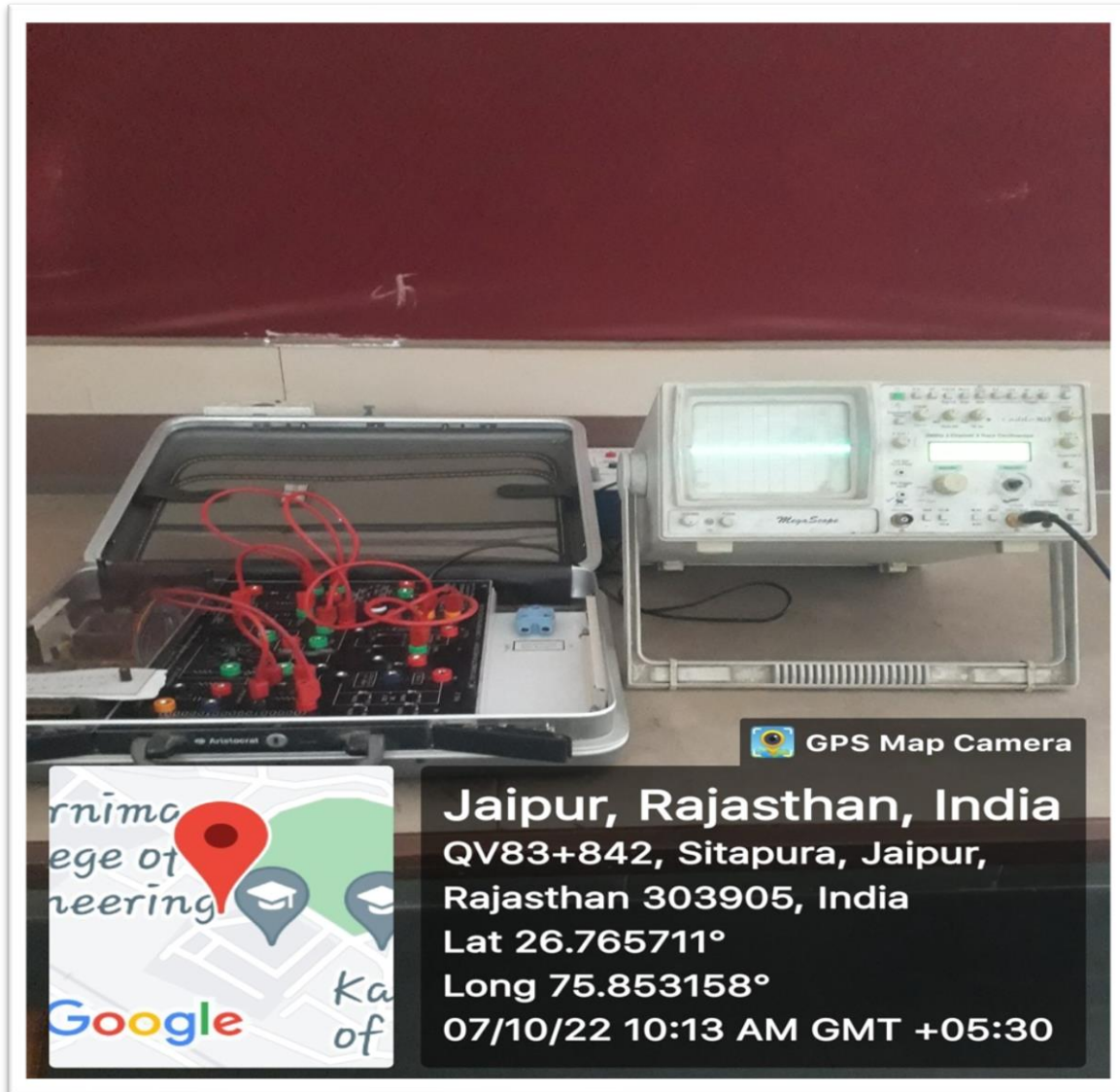

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Equipment Name: Voltage Commutated Chopper

Make and Model: ET THYSET_20 MR

Cost: Rs. 21500/- **Year of Purchase:** 23.03.2007


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Equipment Name: Single phase PWM inverter

Make and Model: OMEGA PET-422

Cost: Rs. 25000/- **Year of Purchase:** 23.03.2007

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Equipment Name: Single phase Parallel inverter

Make and Model: ET THYSET_18MR

Cost: Rs. 14500/- **Year of Purchase:** 23.03.2007

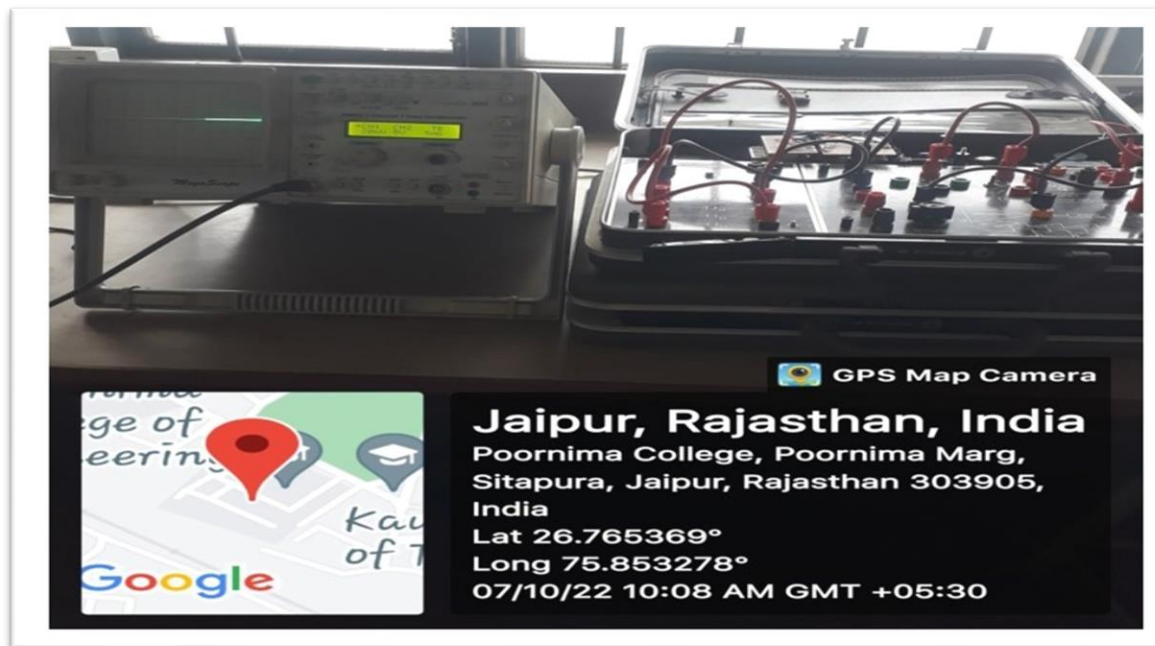

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Equipment Name: Buck Boost Regulator

Make and Model: ET THYSET_21 MR

Cost: Rs.25000/- **Year of Purchase:** 23.03.2007


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Equipment Name: Control the speed of AC motor using AC Converter with close loop option F/B with fan Rider

Make and Model: Powercon

Cost: Rs.35000/- **Year of Purchase:** 15.02.2006

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Equipment Name: Buck, Boost and Buck Boost regulator

Make and Model: ET-Thyset-21MR

Cost: Rs.35000/- **Year of Purchase:** 23.03.2007

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Equipment Name: UV machine

Make and Model: Ultra II

Cost: Rs.125000/- **Year of Purchase:** 01.06.2012

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Equipment Name: Roller tinning machine

Make and Model: Ultra II

Cost: Rs.56000/- **Year of Purchase:** 01.06.2012


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Equipment Name: Photo Resist Dip Coating Machine

Make and Model:

Cost: Rs. 26500/- **Year of Purchase:** 2012

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Equipment Name: Etching Machine

Make and Model: ULTRA-II

Cost: Rs.135000/- **Year of Purchase:** 2012


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Equipment Name: Dye Developer Machine

Make and Model: ME-5755DR-4

Cost: Rs.95000/- **Year of Purchase:** 2013


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Equipment Name: PCB drilling machine

Make and Model: ME-5565DR-2

Cost: Rs. 175000/- **Year of Purchase:** 2013


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Equipment Name: PLC based monitoring and sequence controller system

Make and Model: Technical Teaching Equipments, Bangalore (Kirloskar TV1)

Cost: Rs.13,15,139/- **Year of Purchase:** 2015

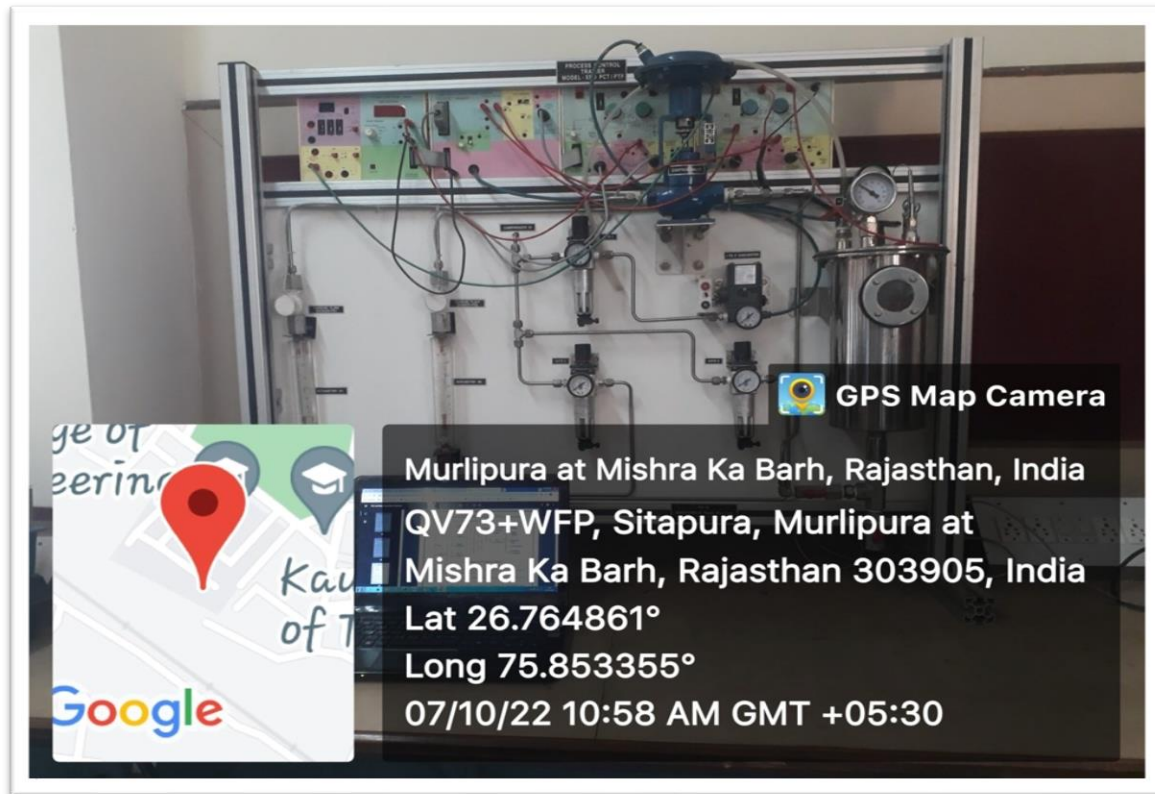
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Equipment Name: Computerised Variable Compression Ratio Diesel Engine coupled with Eddy current dynamometer

Make and Model: Technical Teaching Equipment, Bangalore (Kirloskar TV1)

Cost: Rs.11,25,139/- **Year of Purchase:** 2015


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4.1.1 Research Facilities in Department of Electronics & Communication Engineering

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Research Facilities

S. No	Name of Equipment	Laboratory	Quantity	Cost	Bill no. & Date
1	SENSE- nut ProLab	Advancement in Wireless & Optical Fiber Lab	1	4,72,000/-	EGIEN/1819/T-72/ 25.3.2019
2	Advanced Fiber Optic Communication Trainer	Advancement in Wireless & Optical Fiber Lab	2	94,400/-	SAL-0145/27/03/2019
3	Power Meter	Advancement in Wireless & Optical Fiber Lab	1	35,400/-	SAL-0145/27/03/2019
4	ENA Vector Analyzer	Advanced Microwave Engineering Lab	1	8,37,000/-	SAL-0069/16/12/2019
5	Antenna Trainer Kit	Wireless Communication Lab	1	2,14,209/-	EL/01673/12-13/09/06/2012
			5	5,84,588/-	EL/03507/12-13/30/08/2012
			1	2,14,200/-	EL/01678/12-13/09/06/2012
6	Radar Trainer Kit	Wireless Communication Lab	2	1,12,613/-	EL/012271/12-13/24/05/2012
			1	51,350/-	EL/3930/09-10/10-09-2009
7	Satellite Trainer Kit	Wireless Communication Lab	2	1,68,919/-	EL/01299/12-13/28/05/2012
			1	80,106/-	EL/3423/09-10/24/08/2009
8	GPS Trainer Kit	Wireless Communication Lab	1	40,258/-	EL/3308/09-10/19/08/2009
			2	85,893/-	EL/01153/12-13/12/05/2012
9	Logic Analyzer Kit	Wireless Communication Lab	1	58,745/-	EL/3423/09-10/24/08/2009
10	Fiber Optic Trainer Kit	Wireless Communication Lab	4	61,103/-	EL/07307/11-12/23/01/2012
			3	71,820/-	EL/00199/11-12/11/04/2011
			2	35,256/-	EL/05677/15-16/05/01/2016
11	CDMA DSSS Trainer Kit	Wireless Communication Lab	1	1,40,000/-	EL/3423/09-10/24/08/2009
			2	3,42,672/-	EL/01153/12-13/12/05/2012

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12	Digital Storage Oscilloscope	Wireless Communication Lab	8	1,86,900/-	SAL-040/03/08/2015
13	SENSE- nut interface Software	Advancement in Wireless & Optical Fiber Lab	1	Mention in Above	EGIEN/1819/T-72/ 25.3.2019
14	CST MW Software 2020 (20 Users)	Advanced Microwave Engineering Lab	20 users	1,53,400/-	R-191/ 2019-20/16/12/2019
15	Spectrum Analyzer	Wireless Communication Lab	1	2,20,000/-	TS/20-21/0065/23/09/2020
			1	98,666/-	EL/2631/10-11/30/07/2010
16	Optical Communication Software (Optisystem Version-16)	Advancement in Wireless & Optical Fiber Lab	2 users	6,90,300/-	HRU/2018-19/17/26/03/2019
17	Digital Signal Processing Development	Wireless Communication Lab	10	3,38,000/-	EL/3027/09-10/03/08/2009
18	FPGA Trainer Kit (mission 10X)	Wireless Communication Lab	6	96,154/-	EL/07626/12-13/19/02/2013
			4	53,193/-	EL/07082/11-12/13/01/2012
19	Raspberry Pi	IOT Lab	1	3,500/-	MIC299/28/02/2020
			9	31,500/-	MIC299/28/02/2020
20	Microwave Test Bench	Microwave Lab	4	2,41,250/-	EL/1308/10-11/31/05/2010
			2	1,44,750/-	
			3	1,35,100/-	
			2	1,49,948/-	EL/1240/12-13/25/05/2012
21	RF/ Microwave Circuit Board	Microwave Lab	1	2,36,000/-	SAL-0069/16/12/2019
22	Advanced MIC Trainer Kit	Microwave Lab	2	2,53,151/-	EI/03065/17-18/25/05/2017
23	Art Work Film Maker Proto Contact	Project Lab	1	15106/-	EI/6739/07-08/22-01-2008
24	PCB Curing Machine	Project Lab	1	12450/-	
25	PCB Photo resist Dip Coat	Project Lab	1	19090/-	
26	PCB UV Exposure Proto	Project Lab	1		
27	PCB Etching Machine	Project Lab	1		

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28	PCB Drilling Machine	Project Lab	1	13280/-	EI/6739/07-08/ 22-01-2008
29	PCB Shearing Machine	Project Lab	1	11620/-	
30	PCB Tinning Machine	Project Lab	1	27390/-	
31	PCB Proto Dye Developer Machine	Project Lab	1	17430/-	
32	PCB Artwork Table Illuminated	Project Lab	1	7470/-	
33	PCB Etching Machine	Project Lab	1	17818/-	EL/155/10-11/ 09-04-2010

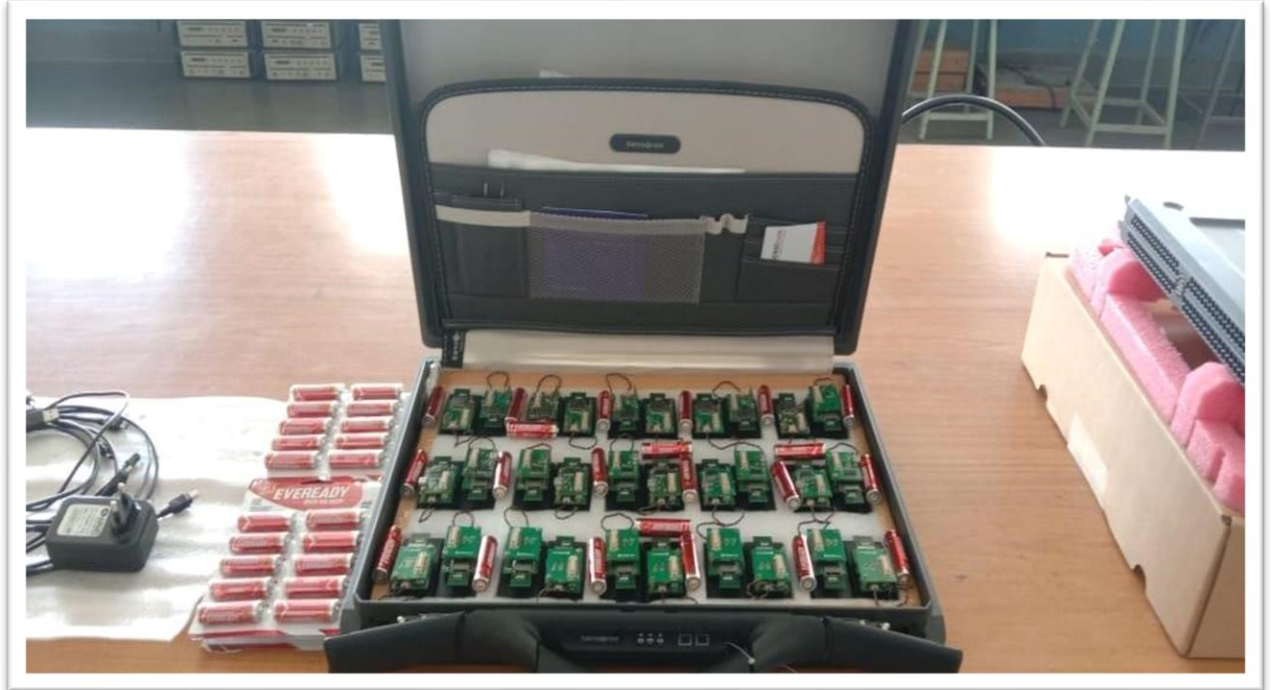

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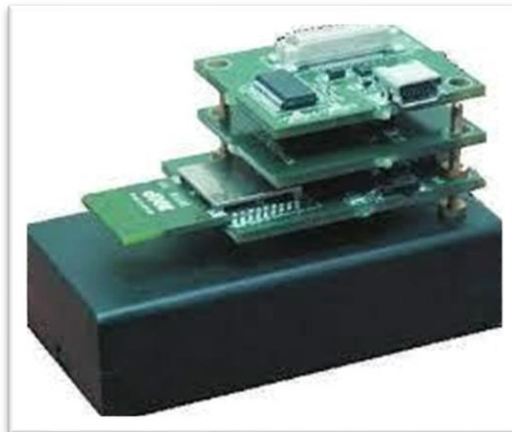
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SENSEnuts Kit



SENSEnuts Modules



Equipment Name: SENSEnut ProLab

Make and Model: EIGEN Technologies Pvt. Ltd.

Cost Rs. 4,72,000/-

Bill No. : EGIEN/1819/T-72/ 25.3 2019

Year of Purchase: 2019

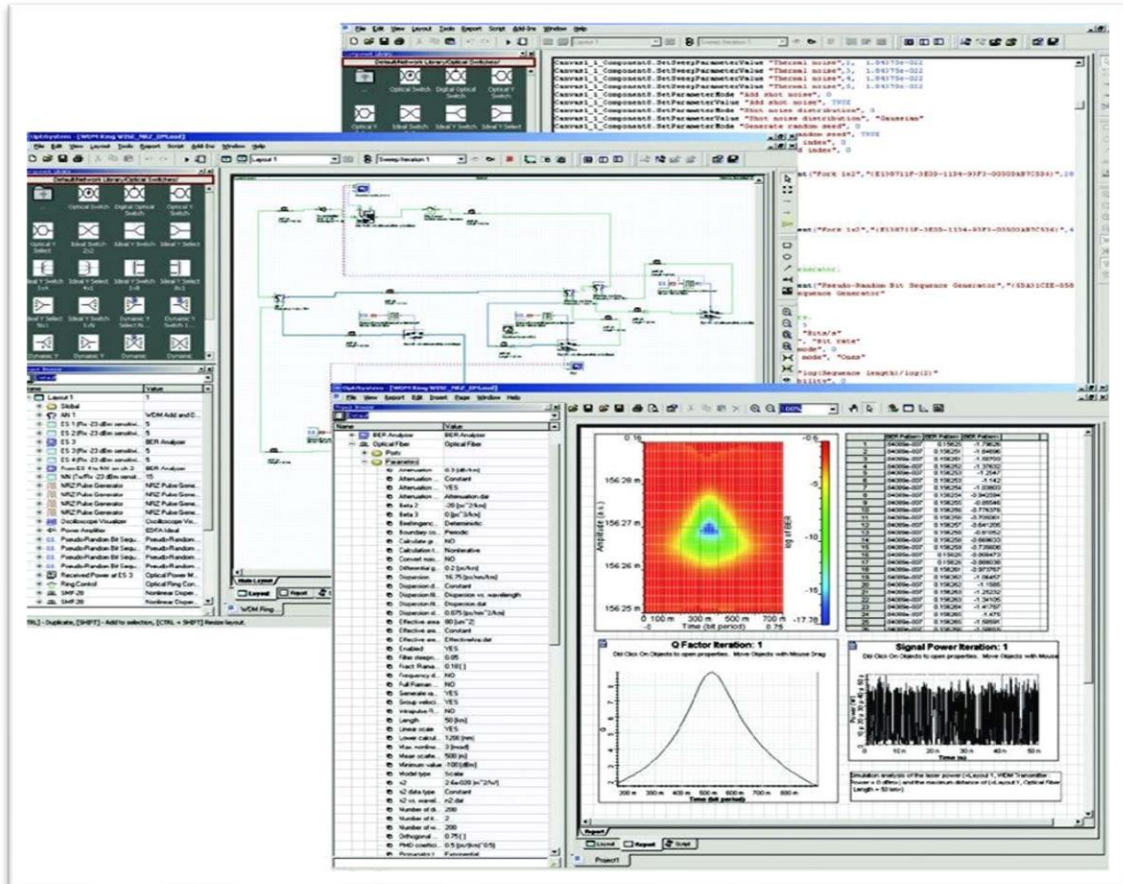
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Opti-system 17.1



Equipment Name: Opti-system Version-17.1

USER: 2 users

Make and Model: Optiwave Photonic Software

Cost Rs. 6,90,300/-

Bill No.: HRU/2018-19/17/ 26/03/2019

Year of Purchase: 2019

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Advanced Fibre Optical Communication Training Kit



Equipment Name: Advanced Fiber Optic Communication Trainer

Make and Model: Optiwave Photonic Software

Cost Rs.: 94,400/-

Bill No. : SAL-0145/ 27/03/2019

Year of Purchase: 2019


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ENA vector network Analyzer



Equipment Name: ENA vector network Analyzer

Make and Model: keysight technologies

Cost Rs.: 8,37,000/-

Bill No. : SAL-0069/ 16/12/2019

Year of Purchase: 2019


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Power Meter



Equipment Name: Power Meter

Make and Model: Techtest

Cost Rs.: 35,400/-

Bill No. : SAL-0145/ 27/03/2019

Year of Purchase: 2019

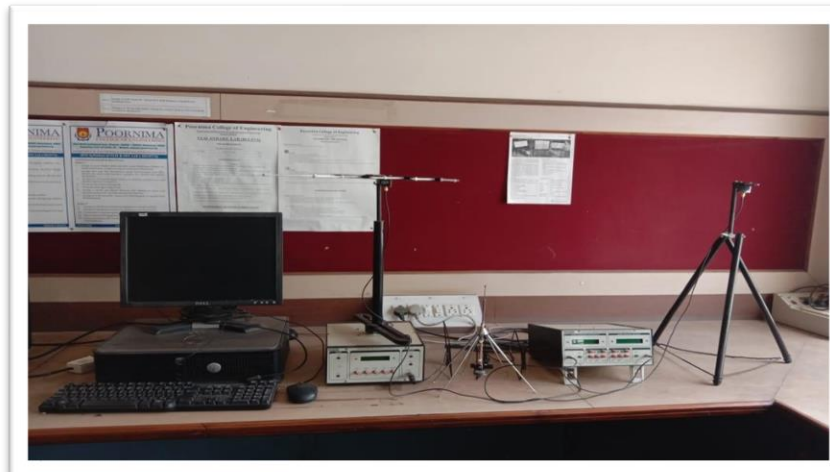
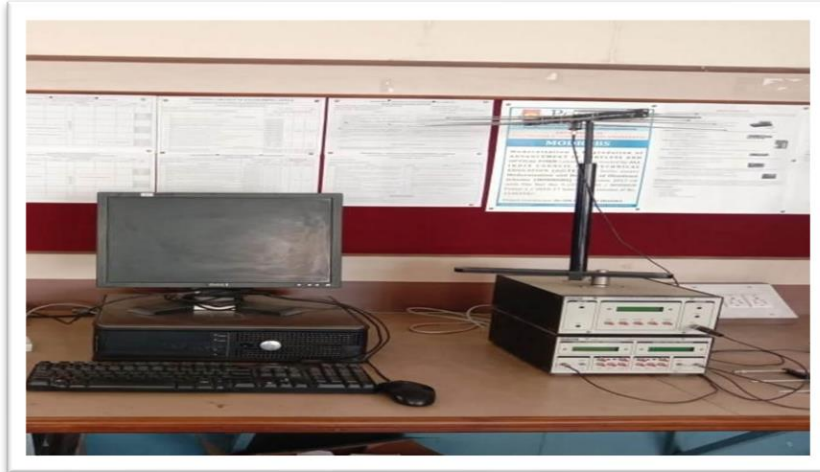

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Antenna Trainer Kit



Equipment Name: Antenna Trainer Kit.

Make and Model: Amitech India Pvt Ltd


Cost Rs.: 1. 2,14,209/- 2. 5,84,588/- 3. 2,14,200/-

Bill No.: 1. EL/01673/12-13/ 09/06/2012

2. EL/01678/12-13/ 09/06/2012

3. EL/01678/12-13/ 09/06/2012

Year of Purchase: 2012


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GPS Trainer Kit



Equipment Name: GPS Trainer
Make and Model: Scientech Technology^{re}
Cost Rs.: 1. 40,258/- 2. 85,893/-
Bill No.: 1. EL/3308/09-10/ 19/08/2009
2. EL/01153/12-13/ 12/05/2012
Year of Purchase: 2009, 2012


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Satellite Communication Trainer Kit



Equipment Name: Satellite Communication Trainer Kit

Make and Model: Scientech Technology

Cost Rs.: 1. 1,68,919/- 2. 80,106/-

Bill No. : 1. EL/01299/12-13/ 28/05/2012

2. EL/3423/09-10/24/08/2009

Year of Purchase: 2009, 2012


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RADAR Trainer Kit



Equipment Name: Radar Trainer
Make and Model: Scientech Technology
Cost Rs.: 1. 1,12,613/- 2. 51,350/-
Bill No. : 1. EL/012271/12-13/ 24/05/2012
2. EL/3930/09-10/ 10-09-2009
Year of Purchase: 2009, 2012

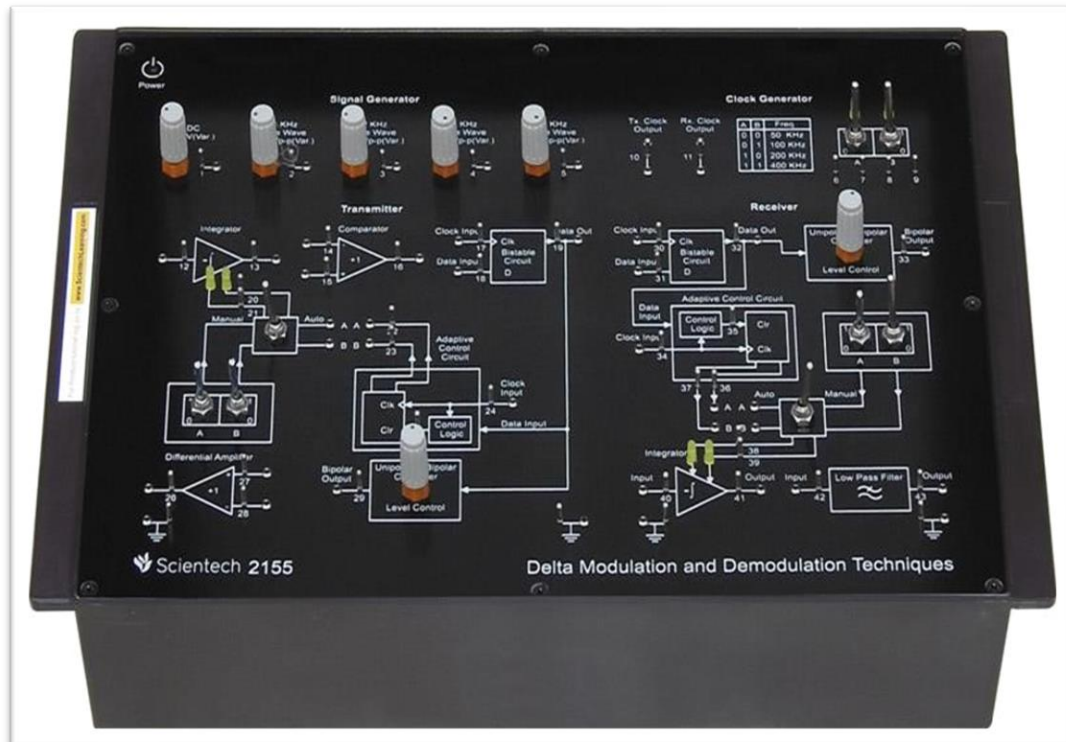

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CDMA Trainer Kit



Equipment Name: CDMA Trainer Kit
Make and Model: Scientech Technology re
Cost Rs.: 1. 1,44,602/- 2. 3,42,672/-
Bill No. : 1. EL/3423/09-10/ 24/08/2009
2. EL/01153/12-13/ 12/05/2012
Year of Purchase: 2009, 2012

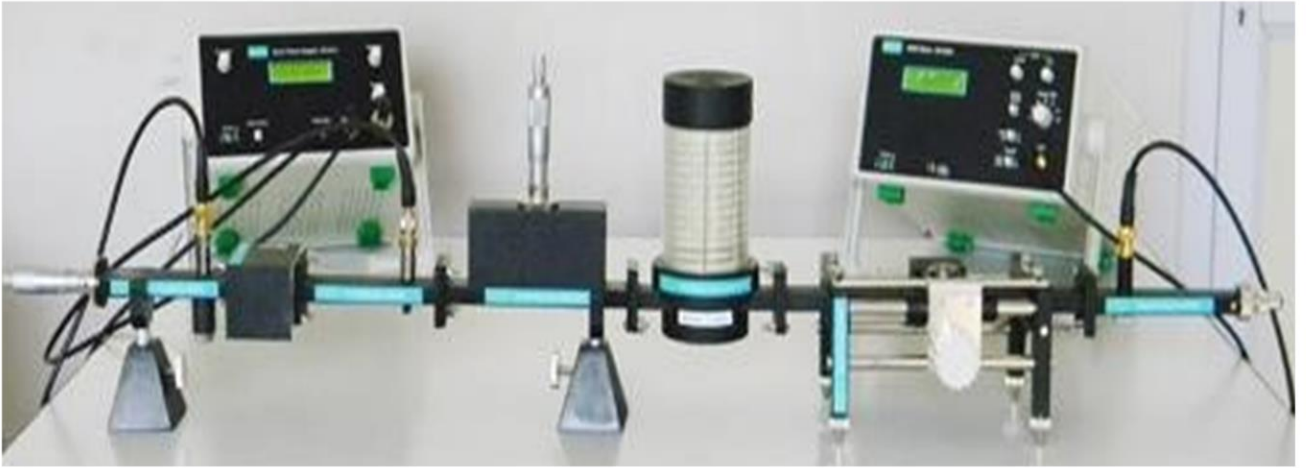

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Microwave Test Bench Trainer Kit



Equipment Name: Microwave Test Bench

Make and Model: NVIS

Cost Rs.: 1. 521100/- 2. 1,49,948/-

Bill No. : 1. EL/1308/10-11/ 31/05/2010

2. EL/1240/12-13/ 25/05/2012

Year of Purchase: 2010

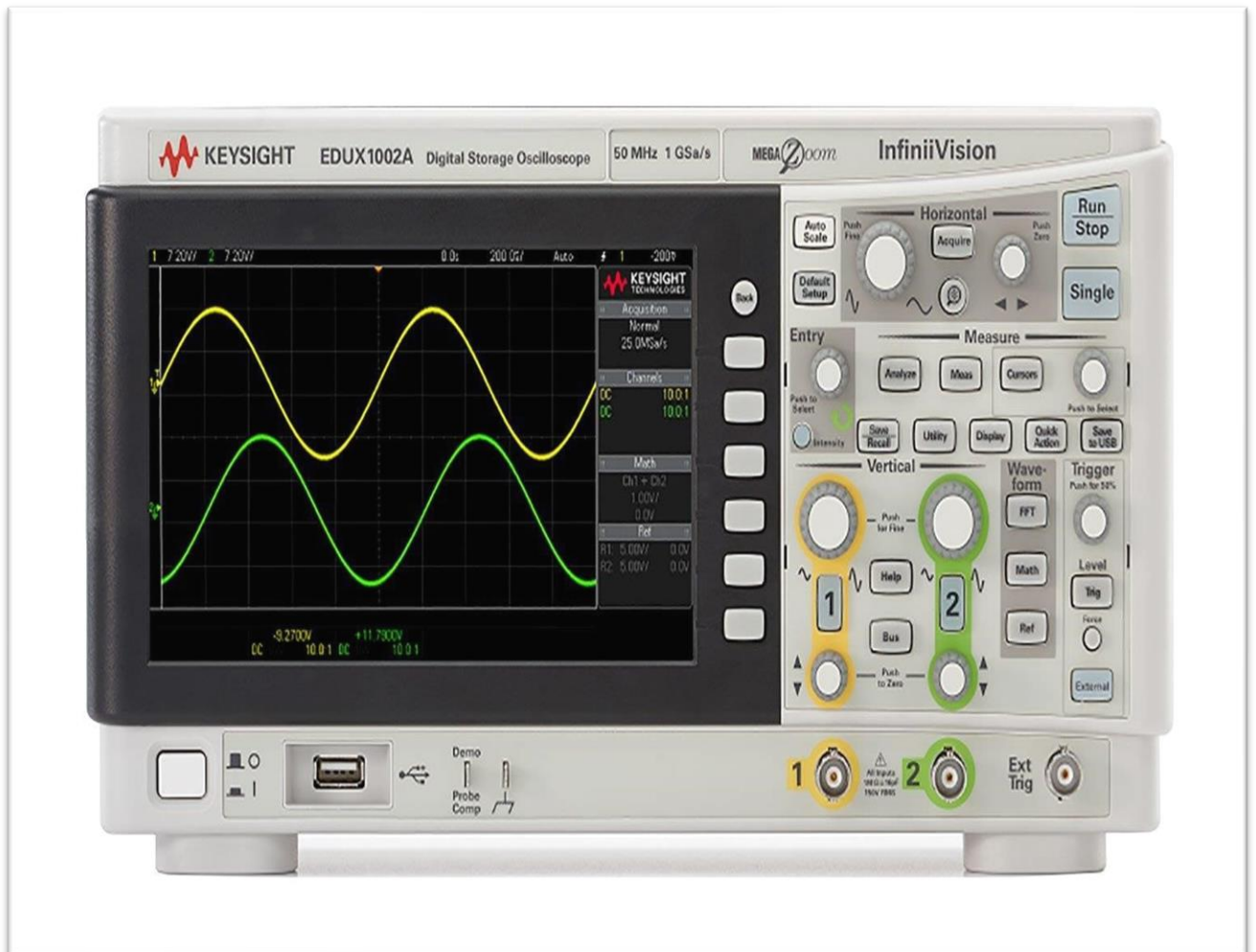

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Digital Storage Oscilloscope



Equipment Name: Digital Storage Oscilloscope

Make and Model: keysight technologies

Cost: Rs.: 1,86,900/-

Bill No. : SAL-040/ 03/08/2015

Year of Purchase: 2015

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FPGA Trainer Kit



Equipment Name: FPGA Development Board

Make and Model: Scientech technology

Cost: Rs.: 1. 96,154/- 2. 53,193/-

Bill No. : 1. EL/07626/12-13/ 19/02/2013

2. EL/07082/11-12/ 13/01/2012

Year of Purchase: 2012, 2013

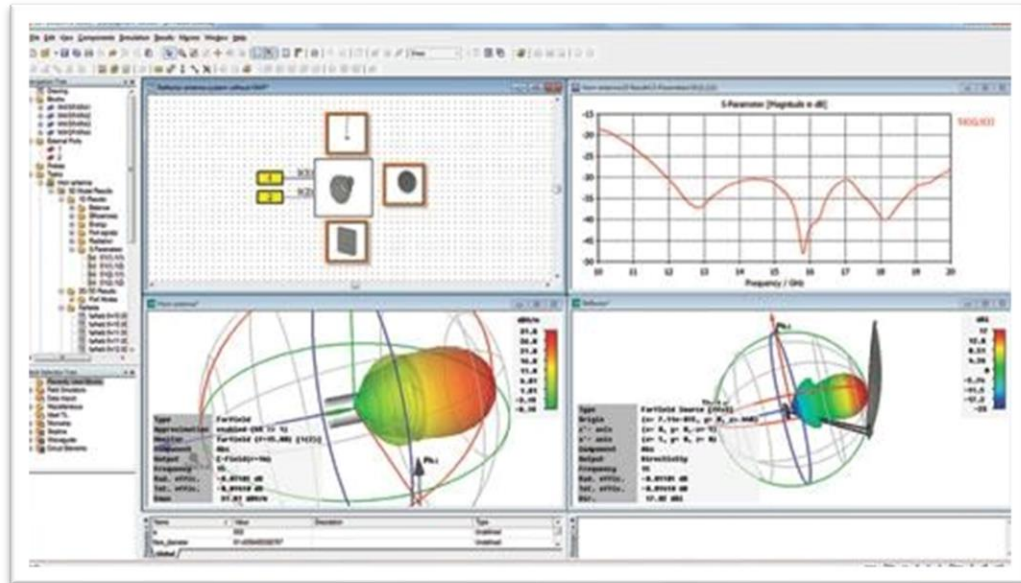

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CST Studio Suite



Equipment Name: CST STUDIO SUITE (Software)

Make and Model: Dassault Systems

User: 20 Users

Cost: Rs.: 1,53,400/-

Bill No.: R-191/ 2019-20/ 16/12/2019

Year of Purchase: 2019


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4.1.1 Research Facilities in Department of Mechanical Engineering

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COLLEGE OF ENGINEERING

Research Facilities

S. No	Name of Equipment	Laboratory	Date of purchase	Bill no.
1	Refrigeration Test Rig	Thermal Lab	05/10/2016	SAL-037
2	3D Printer	CAD Lab	15/07/2020	L3d/inv/2020-21/005
3	High Speed 3D Printer	CAD Lab	22/05/2022	SG/22-23/011
4	Vickers Hardness Test	Material Testing Lab	05/10/2016	SAL-037
5	Disc Polishing Machine	Material Testing Lab	05/10/2016	SAL-037
6	Digital Vernier Calliper	Material Testing Lab	05/10/2016	SAL-037
7	Muffle Furnace	Material Testing Lab	05/10/2016	SAL-037
8	Universal Vibration Apparatus	Vibration Lab	18/07/2015	EME/32/15-16/TRD
9	Critical Shaft Speed Apparatus	Vibration Lab	18/07/2015	EME/32/15-16/TRD
10	Emissivity Measurement Apparatus	Thermal Lab	01/01/2017	123758
11	Parallel and Counter Flow Double Heat Exchanger Apparatus	Thermal Lab	18/07/2015	EME/32/15-16/TRD
12	TIG Welding	P&I Lab	08/09/2016	SAL-025
13	SPOT Welding	P&I Lab	10/07/2015	SAL-18
14	MIG Welding	P&I Lab	10/06/2017	SAL-013
15	Submerged Arc Welding	P&I Lab	08/09/2016	SAL-013

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Equipment Name: Lathe Machine


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Submerged Arc Welding


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Surface Polishing Machine

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Refrigeration and Air Conditional Experimental Setup

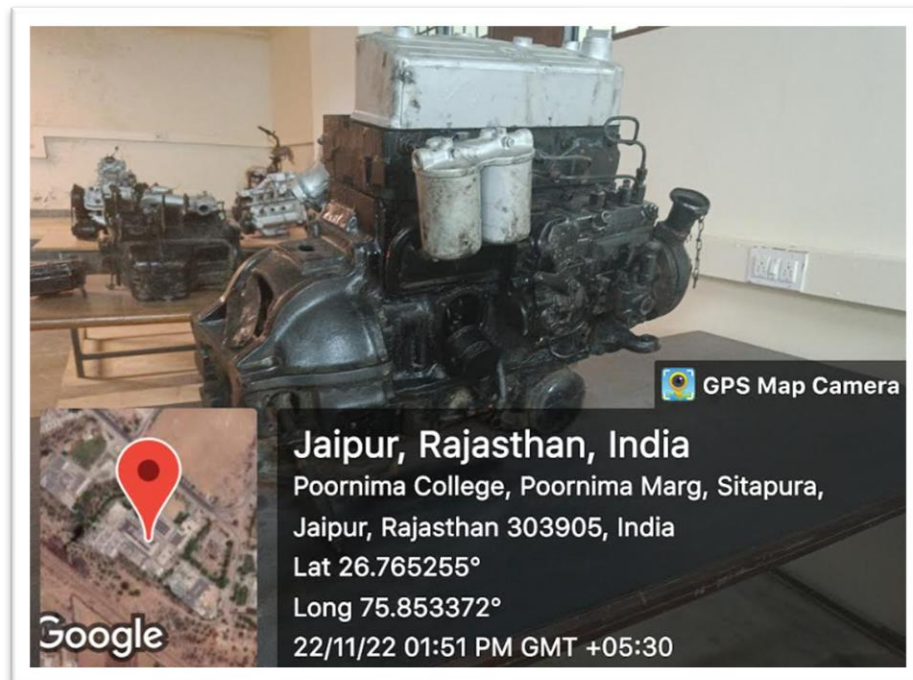
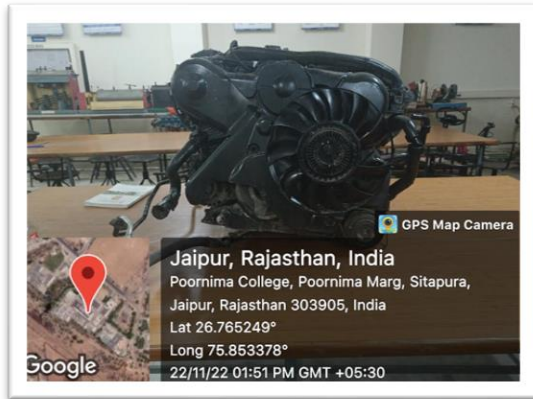

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Experimental Setup

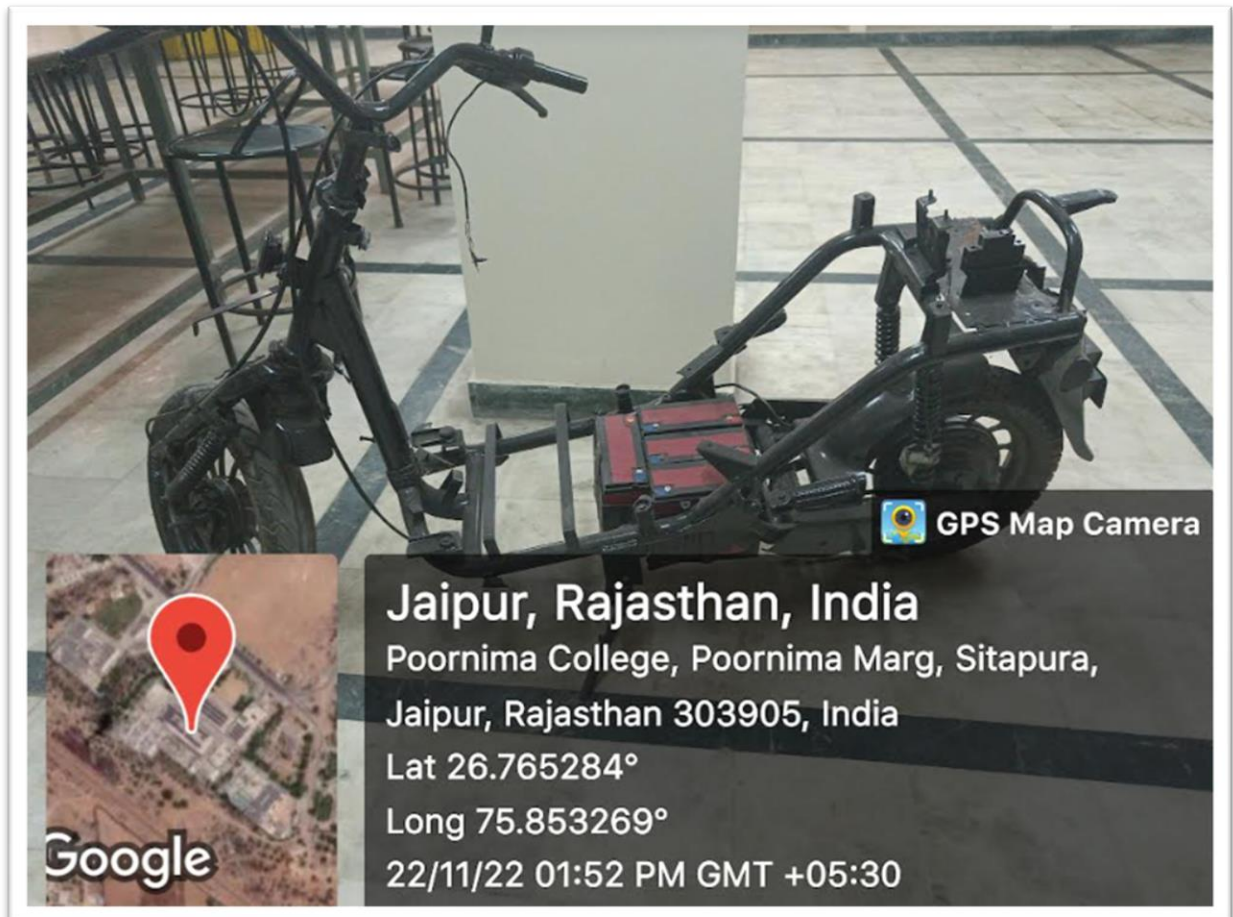
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Electrical Vehicle Setup


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High Speed Three-Dimensional (3D) Printer


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Universal Testing Machine


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Vickers Hardness Tester

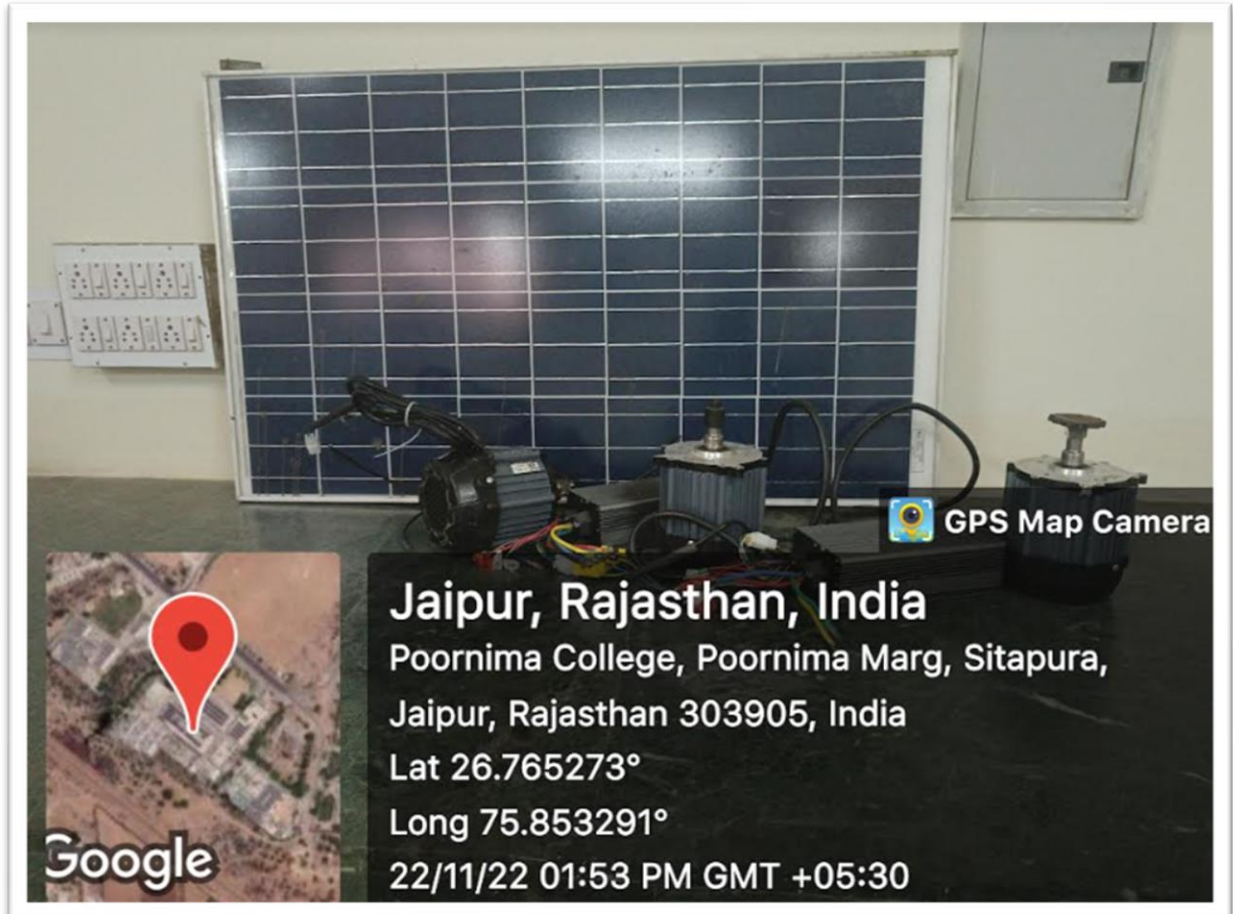
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Solar Energy based Experimental Setup


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4.1.1 Research Facilities in Department of Civil Engineering

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COLLEGE OF ENGINEERING

Research Facility in Geotechnical Engineering Lab

S. No.	Name of Equipment	Laboratory	Date of purchase & cost	Bill no. & Date
1	CORE-CUTTER APPARATUS	GEOTECHNICAL LAB	2/6/2014 2100/-	8 2/6/2014
2	CONE PENTOMETER APPARATUS	GEOTECHNICAL LAB	2/6/2014 3600/-	8 2/6/2014
3	PERMEABILITY TEST APPARATUS	GEOTECHNICAL LAB	2/6/2014 22500/-	9 2/6/2014
4	CBR TEST APPARATUS	GEOTECHNICAL LAB	2/6/2014 74500/-	9 2/6/2014
5	CONSOLIDATION TEST APPARATUS	GEOTECHNICAL LAB	2/6/2014 46000/-	9 2/6/2014
6	DIRECT SHEAR TEST APPARATUS	GEOTECHNICAL LAB	2/6/2014 70600/-	9 2/6/2014
7	TRI- AXIAL TEST APPARATUS	GEOTECHNICAL LAB	2/6/2014 138000/-	9 2/6/2014
8	UNCONFINED COMPRESSION TEST APPARATUS	GEOTECHNICAL LAB	2/6/2014 41800/-	8 2/6/2014
9	OVEN	GEOTECHNICAL LAB	2/6/2014 9400/-	9 2/6/2014
10	PLASTIC LIMIT APPARATUS	GEOTECHNICAL LAB	2/6/2014 1700/-	8 2/6/2014
11	PROCTER TEST (LIGHT)	GEOTECHNICAL LAB	2/6/2014 4200/-	82/6/2014
12	PROCTER TEST (HEAVY)	GEOTECHNICAL LAB	2/6/2014 6800/-	8 2/6/2014
13	CASSAGRANDE APPARATUS	GEOTECHNICAL LAB	2/6/2014 1300/-	8 2/6/2014


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Research Facility in Civil Engineering Material



Equipment Name: V CAT APPARATUS

Make and Model: ENGINEERING MODELS & EQUIPMENT

Cost: Rs. 2600/- Year of Purchase: 2012

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Equipment Name: WATER BATH
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs. 8800/- Year of Purchase: 2012

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Equipment Name: WEIGHT BALANCE MACHINE
Make and Model: ENGINEERING MODEL S & P
Cost: Rs. 8500/- Year of Purchase: 2017

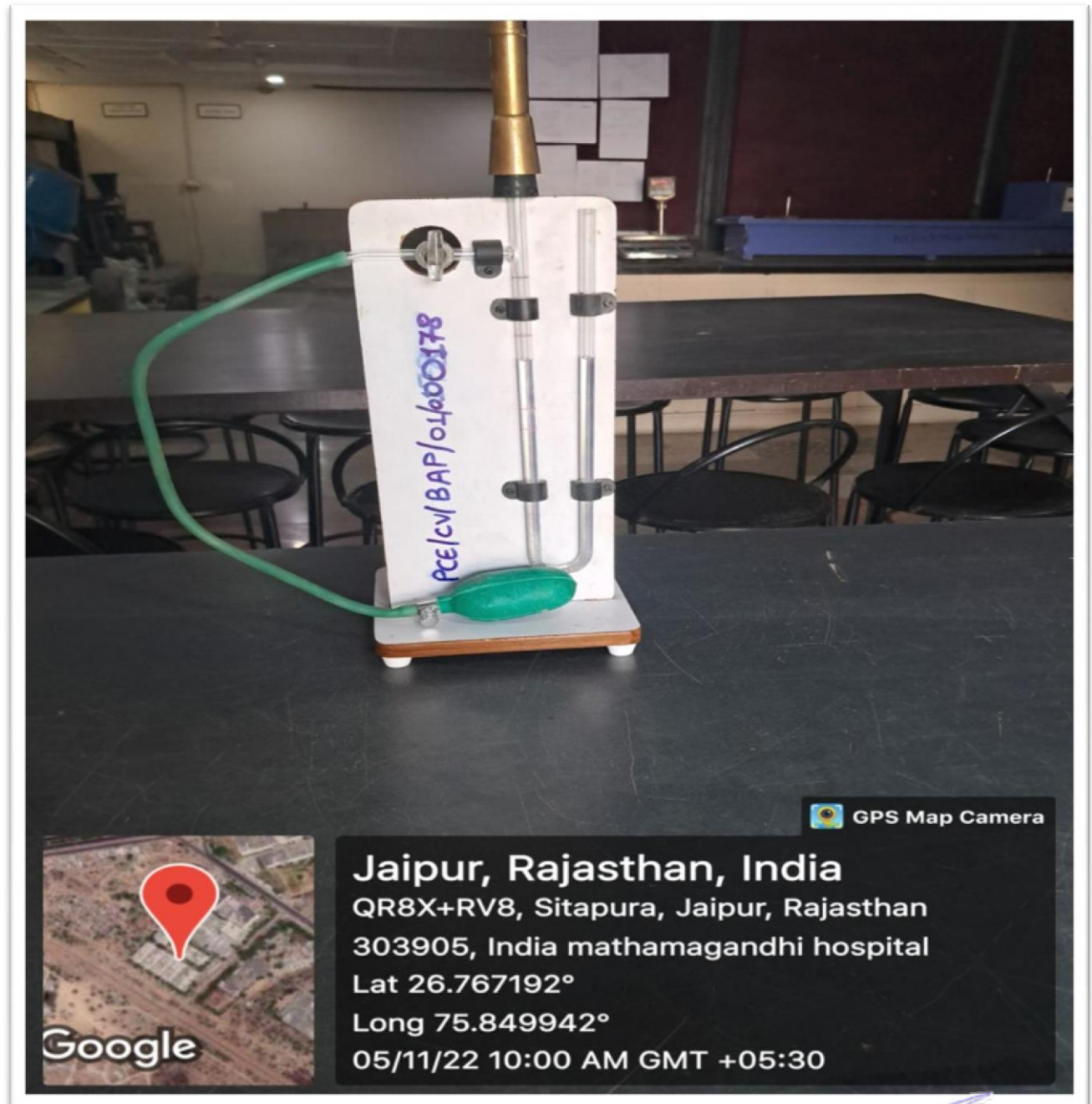
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COLLEGE OF ENGINEERING



Equipment Name: BLAIN'S AIR PERMEABILITY APPARATUS
Make and Model: ENGINEERING MODELS & EQUIPMENTS
Cost: Rs. 2200/- Year of Purchase: 2020

Department of Civil Engineering



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Equipment Name: CONCRETE PERMEABILITY TEST APPARATUS

Make and Model: ENGINEERING MODEL

Cost: Rs. 61600/- Year of Purchase: 2020

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Equipment Name: BEAM

Make and Model: ENGINEERING MODELS & EQUIPMENT

Cost: Rs. 3200/- Year of Purchase: 2022

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Equipment Name: FLEXURAL STRENGTH BEAM
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs. 1200/- Year of Purchase: 2020

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Equipment Name: COMPRESSION TESTING MACHINE
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs.80500/-
Year of Purchase: 2012

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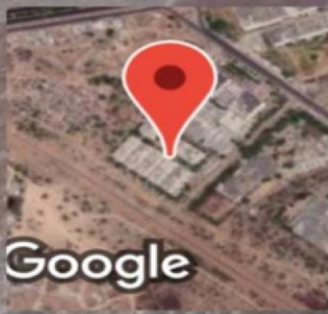


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GPS Map Camera



Google

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303905, India mathamagandhi hospital

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Long 75.849942°

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Equipment Name: CONCRET MIXER
Make and Model: ENGINEERING MODE
Cost: Rs.65000/- Year of Purchase: 2017

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Equipment Name: FLOW TIME

Make and Model: ENGINEERING MODELS & EQUIPMENT

Cost: Rs.15700/- Year of Purchase: 2012

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Equipment Name: REBOUND HAMMER
Make and Model: SHIVAM ENTERPRISES
Cost: Rs.9400/- Year of Purchase: 2016

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Equipment Name: SLUMP TEST APPARATUS
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs.2100/- Year of Purchase: 2012

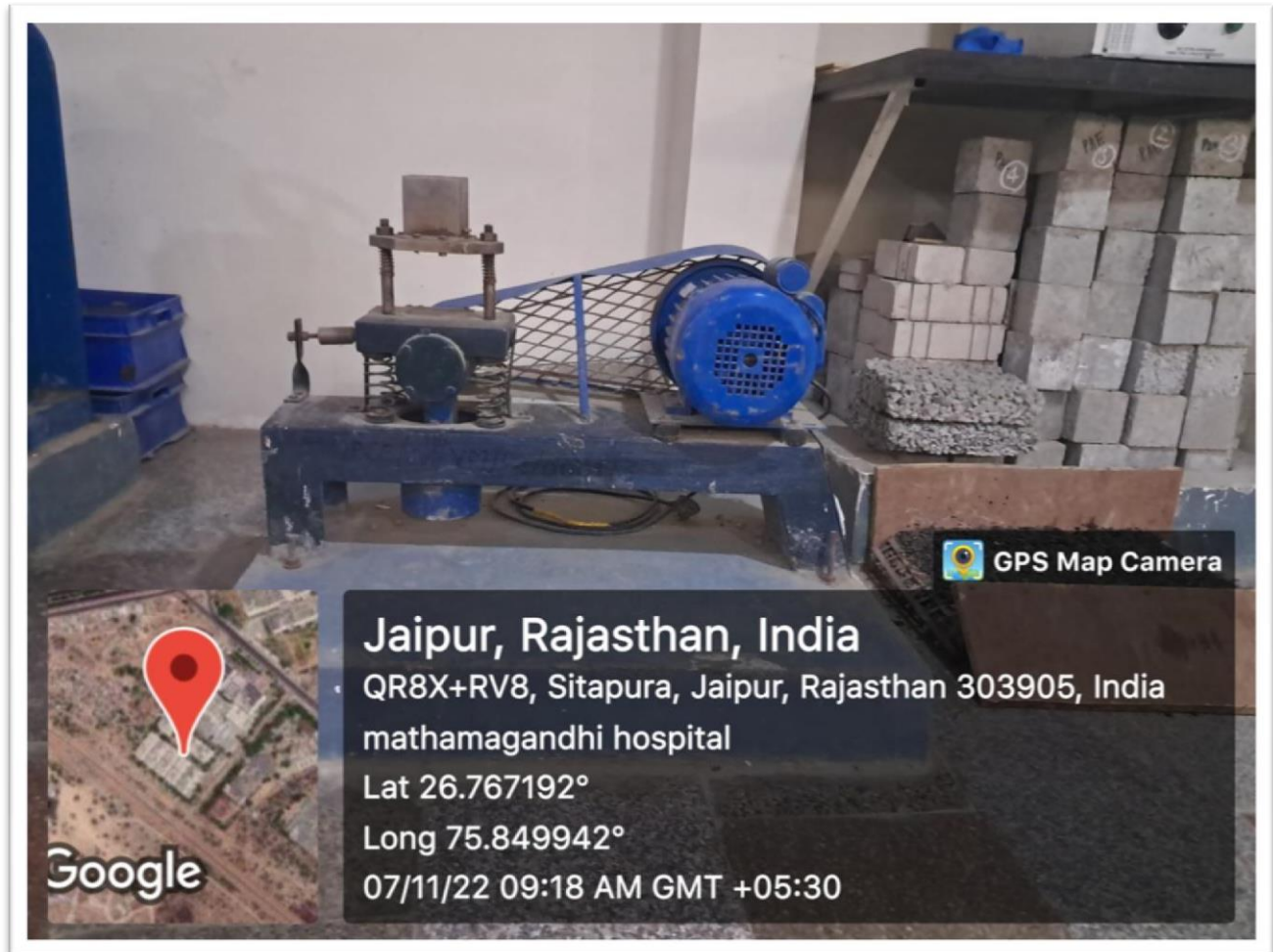
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Equipment Name: VIBRATING TABLE
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs. 23800/- Year of Purchase: 2012


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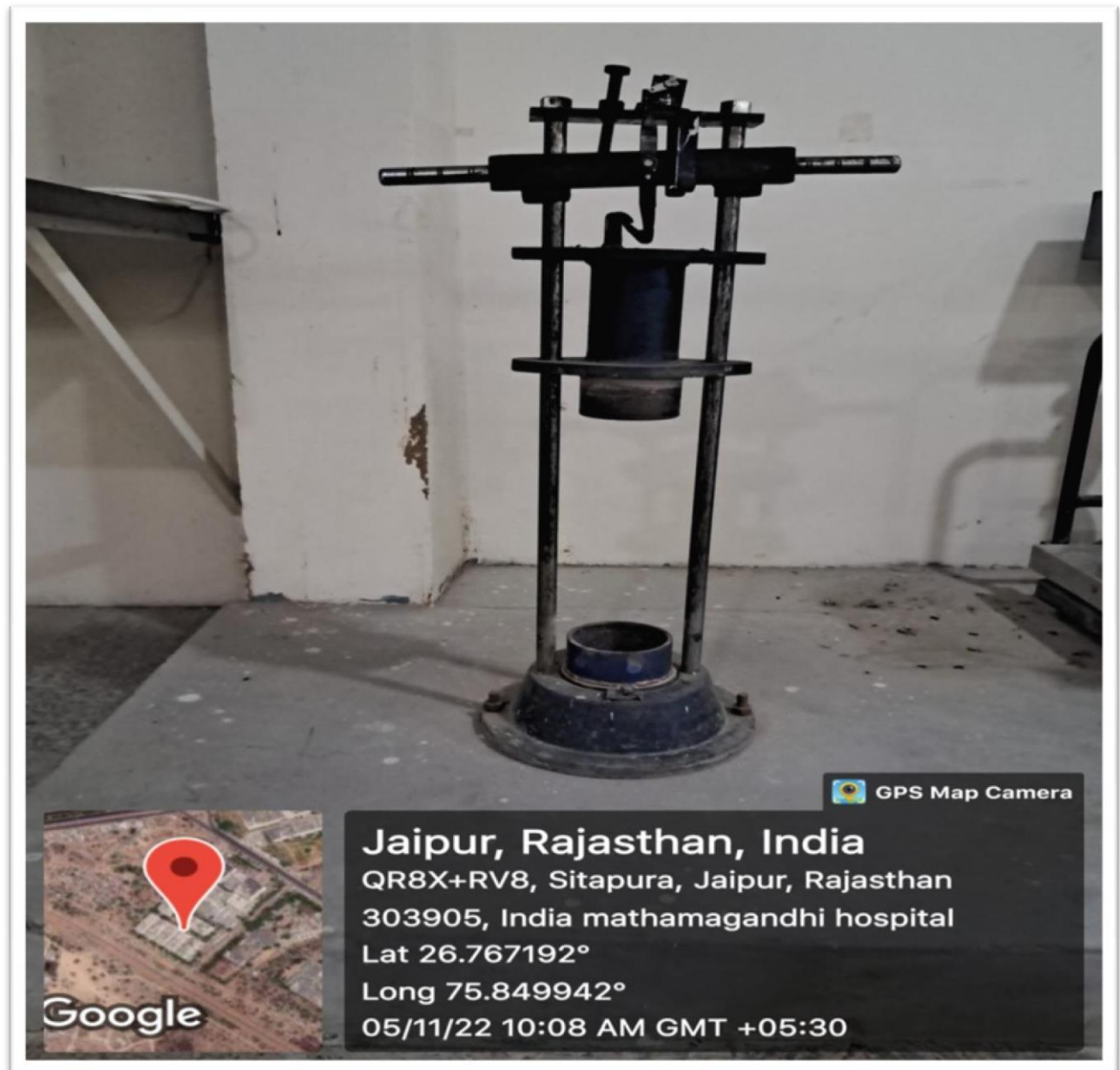
Department of Civil Engineering



POORNIMA

COLLEGE OF ENGINEERING

Research Facility in Road Material Engineering



Equipment Name: AGGRAGATE IMPACT TEST APPARATUS

Make and Model: ENGINEERING MODELS & EQUIPMENT

Cost: Rs.8500/- Year of Purchase: 2013

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Equipment Name: DUCTILITY TEST APPARATUS
Make and Model: ENGINEERING MODEL S.P. TO
Cost: Rs. 48100 /- Year of Purchase: 2015

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Equipment Name: LOS ANGELES ABRASSION TESTING MACHINE
Make and Model: ENGINEERING EQUIPMENT

Cost: Rs.62500/- Year of Purchase: 2013

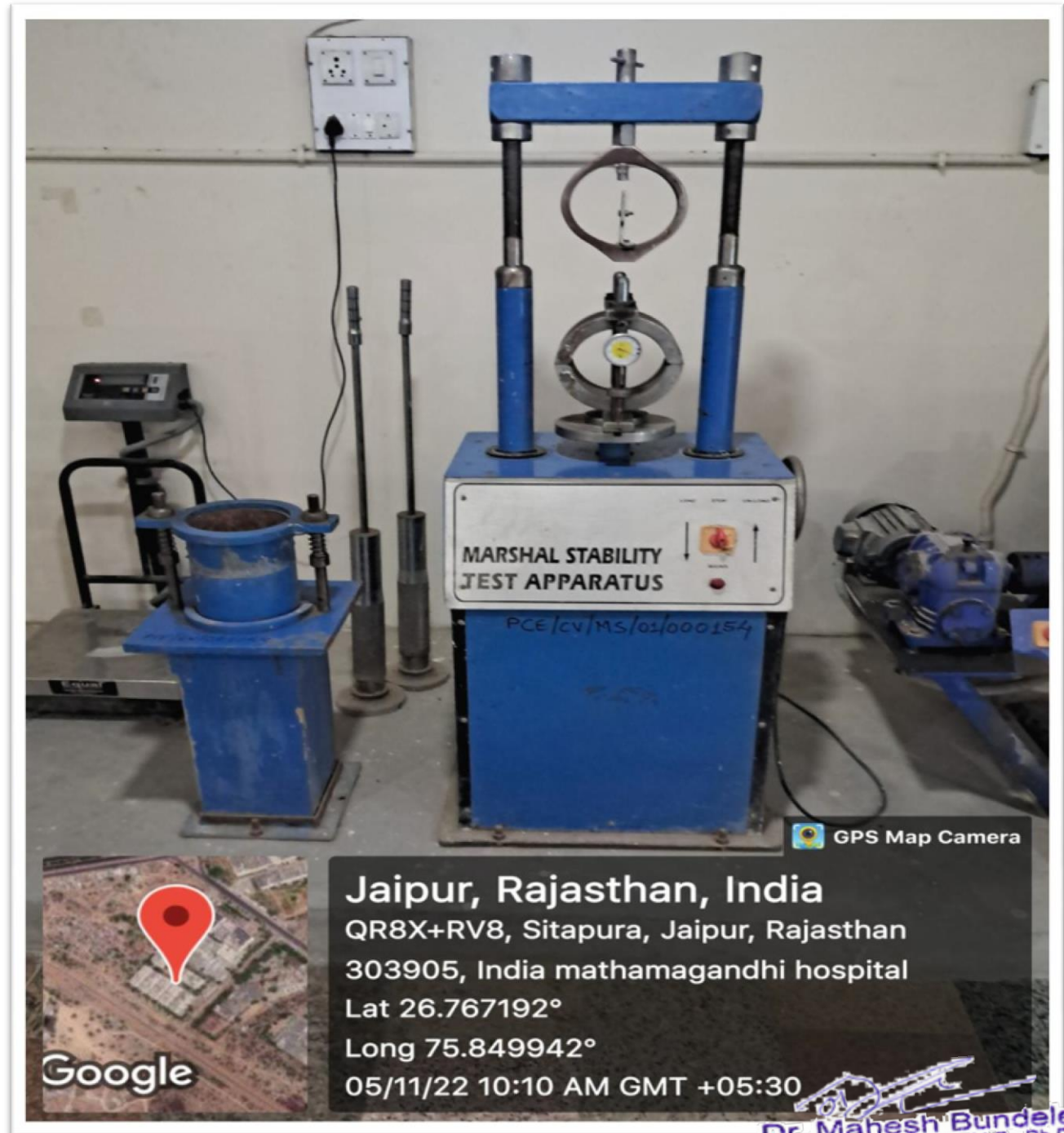
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Long 75.849942°

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Equipment Name: MARSHAL STABILITY TEST APPARATUS

Make and Model: ENGINEERING MODELS & EQUIPMENT

Cost: Rs.65200/- Year of Purchase: 2013

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Equipment Name: RING & BALL APPARATUS
Make and Model: ENGINEERING MODELS & EQUIPMENT

Cost: Rs.7600/- Year of Purchase: 2013

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Equipment Name: STANDERD TAR VISCOMETER
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs. 7600/-
Year of Purchase: 2013

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Equipment Name: CRUSHING VALUE APPARATUS
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs.6700/- Year of Purchase: 2015

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Equipment Name: SIEVE SHAKER
Make and Model: ENGINEERING MODELS &
Cost: Rs.23800/- Year of Purchase: 2013

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POORNIMA

COLLEGE OF ENGINEERING

Research Facility in Geotechnical Engineering



Equipment Name: CORE CUTTER APPARATUS

Make and Model: ENGINEERING MODELS & EQUIPMENT

Cost: Rs.2100/- Year of Purchase: 2014

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GPS Map Camera

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Equipment Name: CONE PENTOMETER APPARATUS
Make and Model: ENGINEERING MODELS & EQUIPMENT

Cost: Rs.3600/- Year of Purchase: 2014

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Equipment Name: PERMEABILITY TEST APPARATUS

Make and Model: ENGINEERING MODELS & EQUIPMENT

Cost: Rs. 22500/- Year of Purchase: 2014

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Equipment Name: CBR TEST APPARATUS

Make and Model: ENGINEERING MODELS & EQUIPMENT

Cost: Rs. 74500/- Year of Purchase: 2014

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Equipment Name: CONSOLIDATION TEST APPARATUS
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs. 46000/- Year of Purchase: 2014

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Equipment Name: DIRECT SHEAR TEST APPARATUS
Make and Model: ENGINEERING MODELS & EQUIPMENT

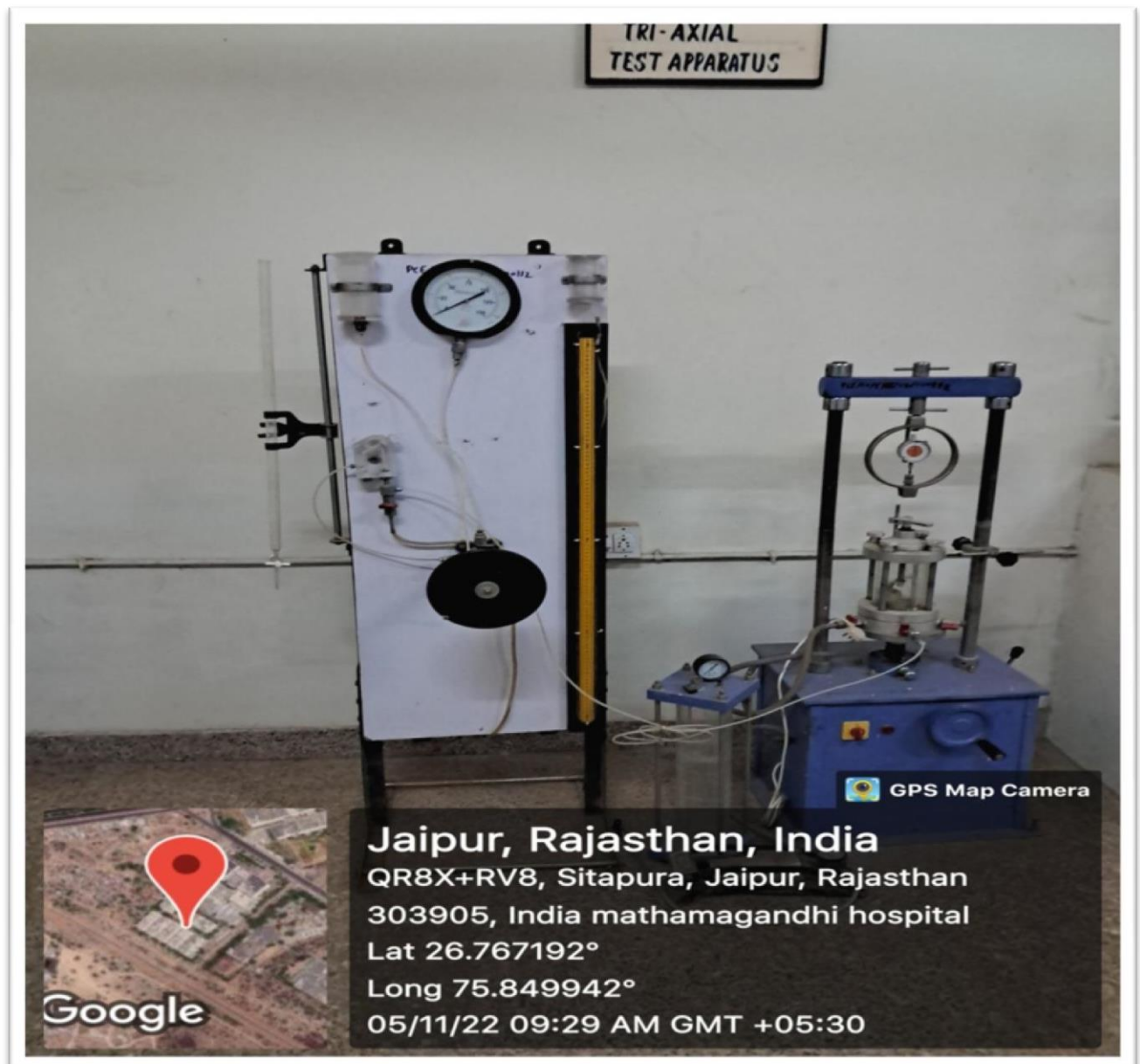
Cost: Rs. 70600/- Year of Purchase: 2014
Department of Civil Engineering

Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
1310, FULCO Institutional Area
Sitapura, JAIPUR



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Equipment Name: TRI- AXIAL TEST APPARATUS
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs. 138000/- Year of Purchase: 2014

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Department of Civil Engineering



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Equipment Name: UNCONFINED COMPRESSION TEST APPARATUS

Make and Model: ENGINEERING MODELS & EQUIPMENT

Cost: Rs.4 1800/- Year of Purchase: 2014

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Equipment Name: OVEN
 Make and Model: ENGINEERING MODELS & EQUIPMENT
 Cost: Rs.9400/- Year of Purchase: 2014

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Equipment Name: PLASTIC LIMIT APPARATUS
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs.1700/- Year of Purchase: 2014

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Equipment Name: PROCTER TEST (LIGHT)
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs.4200/- Year of Purchase: 2014

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Equipment Name: PROCTER TEST (HEAVY)
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs.6800/- Year of Purchase: 2014

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Equipment Name: CASSAGRANDE APPARATUS
Make and Model: ENGINEERING MODELS & EQUIPMENT
Cost: Rs.5200/- Year of Purchase: 2014

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Approved by AICTE

**Affiliated to Rajasthan Technical University, Kota Recognized by
UGC under Section 2(f) of the UGC Act, 1956**

4.1.1 Research Facilities in Department of Computer Engineering & IT

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)

• Phone: +91-9829255102, +91-9414728922 • E-mail: principal.pce@poornima.org

Website: www.pce.poornima.org




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Research Facilities

S. No	Name of Equipment/ Software	Laboratory	Quantity	Cost	Bill no. & Date
1	Operating System: Microsoft Windows 10 Pro Processor: Intel(R) Core(TM) i5-6400 CPU @ 2.70GHz, 2712 Mhz, Core(s), 4 Logical Processor(s) RAM: 8.00 GB HDD: 1 TB	AI & Big Data Lab (COE)	70	34,27,500.00	BDCS/16-17/1590 BDCS/16-17/1591 BDCS/16-17/1592
2	Raspberry Pi Model 3, with case	IOT Lab (COE)	30 Nos	114,000.00	116 31-10-2017
3	Operating System: Microsoft Windows 10 Pro Lenovo Think Station P310, Intel(R) Core(TM) i5-6400 CPU @ 2.70GHz, 2712 Mhz, Core(s), 4 Logical Processor(s) Memory (RAM): 8.00 GB HDD: 1 TB	IOT Lab (COE)	42	1919400.00	BDCS/16-17/1594 BDCS/16-17/1595 (2285000 Rs for 50 PCs)
4	GPU Server: Dell Power Edge R 750 Server CLX 4208 2P 8C/16T 2.1G 11M 9.6GT 85W 3647 R1 32GB 2933MHz DDR4 RAM NVIDIA A100 40GB Passive card	Computer Vision Lab (COE)	1	19,48,521.00	Voucher No. 58
5	Higher Configuration Desktop with Graphic Card Intel Core i7 10700 F X 2 Cooler Master Cabinet SMPS 600-watt Cooler Motherboard Gigabyte B560M DS3H AC X 2 RAM 16 GB DDR4 2656 8TB HDD Seagate 500 GB SSD Graphic card 8gb 3050 Gaming RTX	Computer Vision Lab (COE)	2	2,12,457.62	BDCS/5573/21-22
6	FujiFilm-FX-X-100V S-EE Digital Rangefinder Camera	Computer Vision Lab (COE)	1		
7	BASLER ACE GIGE Camera	Computer Vision Lab (COE)	1	1,40,000.00	BDCS/5573/21-22
8	Operating System: Microsoft Windows 10 Pro	Data Science Lab	24	1142500.00	BDCS/16-17/1589


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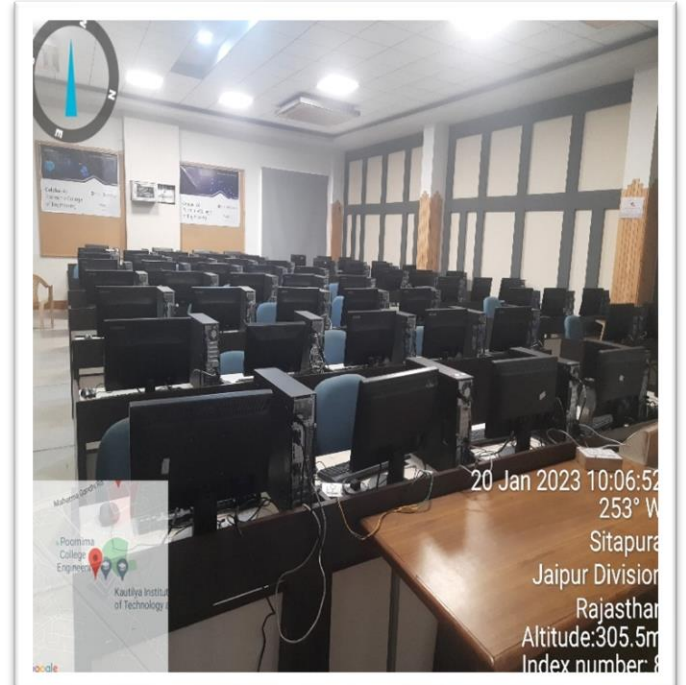
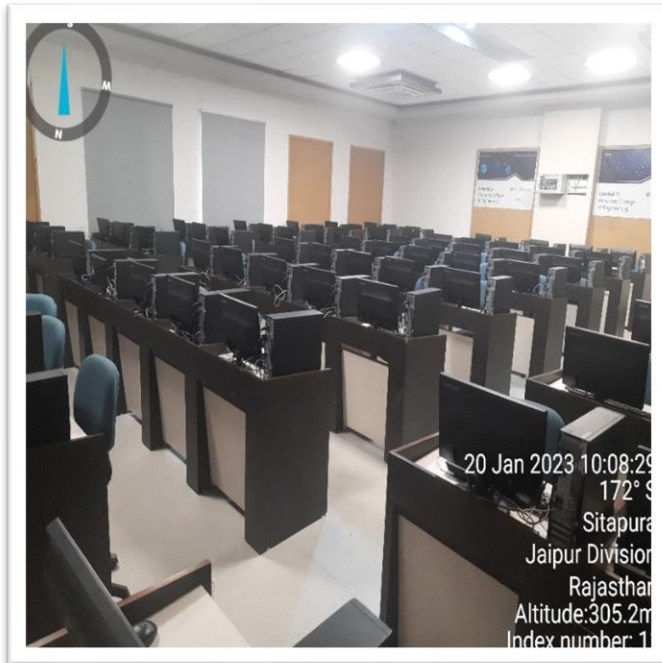
	Processor: Intel(R) Core(TM) i5-6400 CPU @ 2.70GHz, 2712 Mhz, Core(s), 4 Logical Processor(s) RAM: 8.00 GB HDD: 1 TB				
9	Operating System: Microsoft Windows 10 Pro and Ubuntu Processor: Intel(R) Core(TM) i3-CPU @ 3.70GHz, 4 Logical Processor(s) RAM: 4.00 GB HDD: 500 GB	Cyber Security Lab	24	689700.00	BDCS/16-17/2932
10	Einscan Pro 2X 2020 + Solid Edge Software, Multifunctional 3D Scanner	AI & Big Data Lab (COE)	1	713,900	IN21-22-088 30-03-2022
11	Anaconda (Python distribution)	Artificial Intelligence Lab & Data Science Lab	-	Open Source	NA
12	Weka	Artificial Intelligence Lab & Data Science Lab	-	Open Source	NA
13	VMware	Cyber Security Lab	-	Open Source	NA
14	IBM SPSS software platform	Artificial Intelligence Lab & Data Science Lab	-	Open Source	NA
15	Snort - Network Intrusion Detection & Prevention System	Cyber Security Lab	-	Open Source	NA
16	Wireshark	Cyber Security Lab	-	Open Source	NA


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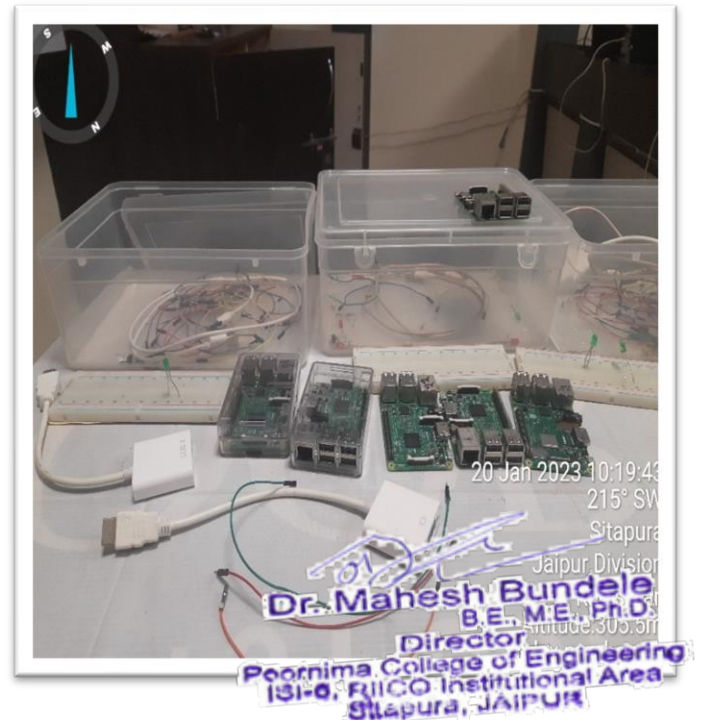
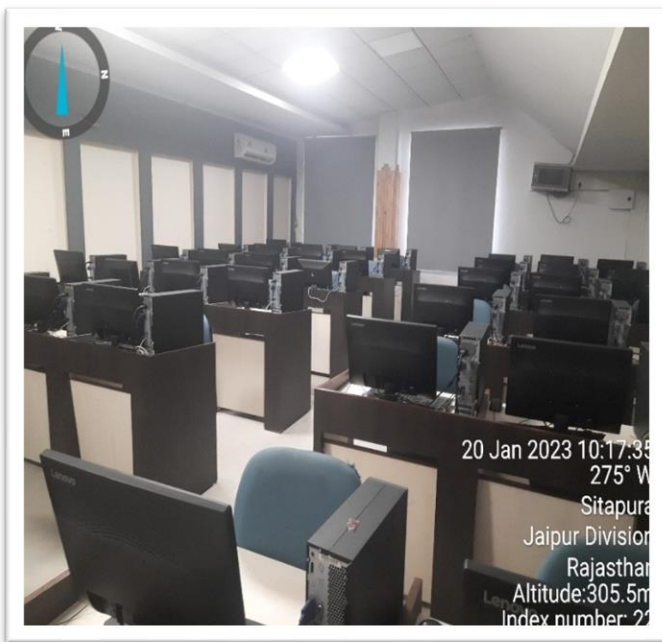


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AI & Big Data Lab (COE)



IOT Lab: (COE)



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GPU Server



Higher Configuration Desktop with Graphic Card (Computer Vision Lab:)



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Digital Rangefinder Camera & DSLR Cameras:



Data Science Lab



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Cyber Security Lab



3D Scanner AI & Big Data Lab (COE):

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