Program Wise Lab Details

DEPARTMENT : (Applied Sciences)

S.no.	Name of program	Name of laboratory	Major equipment	List of equipment added during previous year 2024-25	List of equipment Added during current year 2025-26
1	B.tech	Humanities learning studio- i, ii, iii (346, 347, 536)	Smart board in each hls	3 mike, 3 amplifier, 12 ceiling speakers	Nil
2	B.tech	Applied chemistry lab.	(5 nos) colorimeter (01 No.) Deionizer (dm plant) (01 no.) Fuming hood (04 nos.) Heating plate (1 no.) Heating mantel (500 ml) (02 nos.) Heating mantel (3l) (5 nos.) Heating mantel (5l) (03 nos.) Magnetic stirrer (02 nos.) Melting point apparatus (01 no.) Electric oven (02 nos.) Refrigerator (05 nos.) Uv-spectrophotometer (02 nos.) Water bath (05 nos.) Digital disc balance	(05 nos.) Digital disc balance (02 nos.) Heating plate	(01 no.) Heating plate (01 no.) Refrigerator
3	B.tech	Environmental studies lab	(17 nos.) Digital ph meter (049 nos.) Digital conductivitymeter (02 nos.) Turbidity meter (01 no.) Potentiometer (01 no.) Tds meter (01 no.) Refrigerator	(05 nos.) Digital conductivity meter	(02 nos.) Turbidity meter
4.	B.tech	Computational methods/pslp lab (342/343	72 nos.) Desktop (72 nos.) Monitor (02 nos.) Projector (72 nos.) Ups	(12 nos.) Desktop (hp pro tower 280	(4 nos.) Network switch (mikrotik)

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086
(04/11/2025)

			(01 nos.) Smartboard (cybernetyx eyeris a10 panel 75") (4 nos.) Network switch (mikrotik)	g9 pci) (09/07/2024) (1 nos.) Smartboard (cybernetyx eyeris a10 panel 75") (27/08/2024	
5.	B.tech	Applied physics lab i& ii (BS-151 and BS- 152)	7bar pendulum 3malus law set up 3numerical aperture set up 9spectrometer 6newton's ring set up 3polarimeter (half shade) 1he- ne laser 3bi-prism assembly 3carrey foster 3e/m apparatus 4energy band gap setup 3four probe method setup 6electric vibrator 3planck's constant (led) 2callender & griffith bridge 3zener diode 3charging & discharging of capacitor setup 3hall effect set up 3dso 12sodium lamp 3mercury lamp 2lees disc setup	1 carey foster 1e/m apparatus 1energy band gap setup 1four probe method setup 1callender & griffith bridge 2zener diode 2charging & discharging of capacitor setup 1planck's constant (led)	2malus law set up 2he- ne laser 1bi-prism assembly 1lees disc setup

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Program Wise Lab Details

Department: CSE-AI, DS, AIML

Name of Program	Name of Laboratory	Major Equipment	List of Equipment added during previous year 2024-25	List of Equipment added during Current Year 2025-26
Engineering & Technology	Data Structures Lab(CIC 255) (3rd Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	Computational Methods Lab(ES 251) (3rd Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	OOP using C++ Lab (CIC 257) (3rd Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Programming in JAVA Lab. (CIC-258) (4TH Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Probability, Statistics and Linear Programming Lab (BS252) (4th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Database Management Systems Lab. (CIC- 256) (4th Semester).	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Computer Network Lab (CIC-355) (5th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Design and Analysis of Algorithms Lab (CIC-359) (5th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Operating System Lab(CIC-353) (5th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer	NIL	NIL

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries		
Engineering & Technology	Software Engineering Lab (CIC- 357) (5th Semester))	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Complier Design Lab.(CIC 351) (5th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Statistics, Statistical Modelling & Data Analytics Lab DA-304P (6^{th} Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering &Technology	Artificial Intelligence and Machine Learning Lab AI-316P (6th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Programming in R and Python Lab DS-342P (6^{th} Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Data Pre-processing and Post Processing Lab DS-344P (6^{th} Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Software Project Management Lab SE-354P (6th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Artificial Intelligence Lab AI-302P 6th Semester	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Optimization Techniques Lab AI-320P (6th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Supervised and Unsupervised Learning Lab ML-352P (6th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each)	NIL	NIL

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		01 No's 10 KVA Online U.P.S. with 16 Batteries		
Engineering & Technology	Fuzzy Systems and Applications Lab AI-318P (6th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Artificial Neural Networks Lab ML-350P (6th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Soft Computing Lab SC-401P (7th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Machine Learning Lab ML-407P (7th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Reinforcement Learning and Deep Learning Lab ML-409P (7th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Pattern Recognition and Computer Vision Lab ML-411P (7th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Data Science using R Lab DS-427P (7th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Big Data Analytics Lab DS-429P (7th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Business Intelligence Lab DS-431P (7th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Exploratory Data Analytics and Data Visualization Lab DS-433P (7th Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Engineering & Technology	Artificial Intelligence Applications Lab AI-403P (7^{th} Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Intelligent and Expert Systems Lab AI-405P (7^{th} Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Evolutionary Computation Lab AI-407P (7^{th} Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	Natural Language Processing Lab AI-409P (7^{th} Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL
Engineering & Technology	OSD-453P Advanced Java Programming Lab (7^{th} Semester)	42 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	NIL	NIL

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Program Wise Lab Details

DEPARTMENT : (Computer Science & Engineering)

S.No.	Name of Program	Name of Laboratory	Major Equipment	List of Equipment added during previous year 2025-26	List of Equipment added during Current Year 2026-27
1	Engineering & Technology	Programming in 'C' Lab (ES-153)	72 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port	NIL	NIL
2	Engineering & Technology	Programming in 'C' Lab (ES-154)	72 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port	NIL	No
3	Engineering & Technology	Computational Methods Lab. (ETES- 251)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port	NIL	No
4	Engineering & Technology	Data Structures Lab. (ETCS 255)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port	NIL	No
5	Engineering & Technology	Computer Graphics and Multimedia Lab. (ETCS 257)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
6	Engineering & Technology	Computer Organization and Architecture Lab (ETCS 254)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
7	Engineering & Technology	Object Oriented Programming Lab. (ETCS 258)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
8	Engineering & Technology	Database Management Systems Lab. (ETCS 256)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port	NIL	NIL
9	Engineering & Technology	Algorithm Design & Analysis Lab. (ETCS 351)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
10	Engineering & Technology	Software Engineering Lab. (ETCS 353)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
11	Engineering & Technology	Java Programming Lab. (ETCS 357)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
12	Engineering & Technology	Operating Systems (Linux Programming &	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		Administration) Lab (ETCS 352)			
13	Engineering & Technology	Computer Networks Lab. (ETCS 354)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Switch	NIL	NIL
14	Engineering & Technology	Web Engineering Lab. (ETCS 356)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
15	Engineering & Technology	Information Security Lab (ETCS 451)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
16	Engineering & Technology	Software Testing and QA Lab (ETCS 453)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
17	Engineering & Technology	Lab based on Elective I or II (ETCS 457)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
18	Engineering & Technology	Wireless Communicatio n Lab (ETEC 463)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
19	Engineering & Technology	Mobile Computing Lab. (ETIT 452)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
20	Engineering & Technology	Machine Learning Lab (ETCS 454)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
21	Engineering & Technology	Lab based on Elective – I (ETCS 456)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL
22	Engineering & Technology	Lab based on Elective – II (ETCS 458)	24 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 24 Port 01 No's Smart Board	01 Smart Board	NIL

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Program Wise Lab Details

DEPARTMENT : (Computer Science & Technology)

S.No.	Name of Program	Name of Laboratory	Major Equipment	List of Equipment added during previous year 2025-26	List of Equipment added during Current Year 2026-27
1	Engineering & Technology	Computational Methods Lab. (ES-251)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
2	Engineering & Technology	Data Structures Lab. (CIC-255)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
3	Engineering & Technology	Object Oriented Programming using C++ Lab. (CIC-257)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
4	Engineering & Technology	Database Management Systems Lab. (CIC-256)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
5	Engineering & Technology	Programming in Java Lab.(CIC-258)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
6	Engineering & Technology	Software Engineering Lab. (CIC-357)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
7	Engineering & Technology	Design and Analysis of Algorithm Lab (CIC 359)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
8	Engineering & Technology	Computer Networks Lab. (CIC 355)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
9	Engineering & Technology	Operating System Lab (CIC-353)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
10	Engineering & Technology	Compiler Design Lab (CIC-351)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
11	Engineering & Technology	Advanced Java Programming Lab (CIE-306P)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
12	Engineering & Technology	Artificial Intelligence Lab (CIE-374P)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

13	Engineering & Technology	Programming in Python Lab (CIE-332P)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
14	Engineering & Technology	Statistics, Statistical Modelling & Data Analytics Lab (DA-304P)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
15	Engineering & Technology	Web Technologies Lab (CIE-356P)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
16	Engineering & Technology	Data Warehousing and Data Mining Lab (CIE-425P)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
17	Engineering & Technology	Machine Learning Lab (CIE-421P)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
18	Engineering & Technology	Pattern Recognition and Computer Vision Lab (ML-411P)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL
19	Engineering & Technology	Reinforcement Learning and Deep Learning Lab (ML-409P)	42 No's Computer Nodes 01 No's LaserJet Printer 01 No's Switch 42 Port 1 No's Smart Board	NIL	NIL

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Department: Electronics and Communication Engineering

Name of Program	Name of Laboratory	Major Equipment	List of Equipment added during previous year-24-25	List of Equipment added during current year2025-26
Engineering & Technology	ANALOG ELECTRONICS LAB –I (ECC-257) ANALOG ELECTRONICS LAB II) (ECC-264) Electronics-1 Lab (ECC-261) Electronics –II Lab ECC-ECC-264)	DSO-17, Analog CRO-12, DUAL POWER SUPPLY-12, FUNCTION GENERATOR-12 Audio Oscillator, Transistor Tester, Linear I.C. Trainer, RC amplifier kit, UJT kit, semiconductor device characteristics, junction diode rectifier and filter characteristics, Discrete component tester, Transistor biasing technique kit, diode clipping circuits, Transistor characteristics, MOSFET characteristics, Push-pull amplifier, RF-LC oscillator, Weinbridge oscillator, Audio amplifier with power supply, Emitter follower with power supply, linear IC trainer, Multimeter-25,Discreate components like BC-547,Bc-107,BC-177,Diode IN-4007,BFW-10 Mosfet,UJT,TRIAC DIAC,Cap All range, Resistance All types(ohm to Mega ohm)	**FUNCTION GENERATOR(5 Nos)** **Dual Power Supply** **(10 Nos)**	**FUNCTION GENERATOR-(6 Nos)** **Dual Power Supply-(6Nos)**
Engineering &Technology	DIGITAL LOGIC AND COMPUTER DESIGN (ECC-253)	Digital IC Tester, Digital Multi trainer Kit-10 Computers (25), Printer, Programmable Logic Trainer, CPLD/ FPGA Digital Logic design trainer, ALDEC Lock (EDA),CPLD/ FPGA IC,CPLD lab board kit, General purpose interfacing board, Bread Board-50,Different IC Training Board On Counters And Logic-com (Ltb-805), Function Generator (Hm-30/4), CRO(4),PC Interface Design Trainer, 4 Bit binary decade counter, Logic training Board on counter and shift register, decade counter, Flip-flop training kit, ex-or/nor training kit, decoder, Power supply-13, logic gate circuit trainer, DCS binary adder subtractor demonstrator, 4 bit binary full adder subtractor, logic gate study kit, Computer7400,08,32,86,10,11,7474,7476,7490etc,LED and bread board wire and different discrete components,	**All type of Gate IC,counters ICs** **5 volt fix power supply-10**	**All type of Gate IC,counters ICs,Bread Boards-50**

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Engineering & Technology	IOT Lab(ECE-429P)	Arduino Uno Development Board with USB-(10 nos) Tempereture & Humidity Sensor (DHT – 11)(10 Nos) One Channel Relay Module910Nos), IR Sensor(10Nos), PIR Motion Sensor, Boost Converter 150W DC, CPU : i3, Description:- HP 450 – 010 1L (4th Gen) O.S.: Windows 10 Home,HDD: 1TB ,RAM: 4 GB(18 Nos)		
Engineering & Technology	Microprocessor & microcontroller Lab(ECC-363)	8031/8051 based micro-controller trainer kit (9 no.), I/O interfacing board, Application specific kit, General purpose interface module Micro tutor AVR ATMEL controller kit,8086 Microcontroller Kit Micro tutor AVR ATMEL student kit, 8085 Microprocessor training kit, educational practice board for 8085, all in one general purpose board with onboard keys, 8051 IDE (10 users).LCD./matrix key board interfacing kit, 7-segment LED interfacing kit, RTC-EPROM interfacing kit, 8-bit DAC interfacing kit, stepper motor interfacing kit, relay interfacing kit 8-bit parallel ADC interfacing kit, I/O module, I2C protocol. Demonstration.	**TRAINER KIT REPAIRED**	
Engineering & Technology	DIGITAL COMMUNICATIO N LAB(ECC(258) ANALOG COMMUNICATIO N LAB-ECC(255)	EPABX Trainer System, Transmission line trainer, ISDN Trainer, Data Conditioning and Carrier Modulation Kit(2), Data Reconditioning and Carrier Demodulation Kit(2), TRAINER KITS-22CPU-Hp-280-G2 intel 6th Gen i3 RAM-4GB HDD-500gGB,AOC18.5 LCD Monitor,USB Key Board Mouse, CPU-Hp-450 intel 7th Gen i3 RAM-4GB HDD-1TB,LG18.5 LCD Monitor,USB Key Board Mouse, Digital Storage Oscilloscope(40MHZ(4),50MHZ(4)50MHZ(2),5070HZ (2), Cathode Ray Oscilloscope ,30MHzSM410(4), Double Sideband/Single Sideband AM transmitter ST2201, Double Sideband/Single Sideband AM receiverST2202(12) Frequency Modulation & Demodulation TechniquesST 2203, Frequency Modulation & DemodulationST2170K(6), Frequency DivisionMultiplexer & DemultiplexerST-2211(4) Armstrong Frequency Modulator & Demodulator Trainer ST2208, PAM/PWM/PPM Modulation & Demodulation Techniques ST2110, Sampling & Reconstruction Trainer ST2151, TDM PAM Transmitter & Receiver ST 2152, TDM Pulse Code	**TRAINER KITS-10**	**TRAINER KIT REPAIRED**

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		Modulation Transmitter ST2153, Delta Modulation & Demodulation Techniques ST2155Data Formatting & Carrier(ASK PSK, FSK, QPSK) Transmitter ST2156, Data Formatting & Carrier(ASK, PSK, FSK, QPSK) Receiver ST2157, Differential Pulse Code Modulation & Demodulation ST2113, DPCM Modulation / Demodulation Trainer, ASK / FSK / PSK / QPSK MOD/DEMOD Trainer ST 2807, Multiplexer/Demultiplexer Encoder & Decoder ST 2503, Block Code Encoder ST 2121A, Quadrature Amplitude Modulation & Demodulation SystemST2136, PLL & FREQUANCY MULTIPLIER & SYNTHESIZER PLL02,		
Engineering & Technology	DIGITAL SIGNAL PROCESSING LAB(ECC-351) DIGITAL IMAGE PROCESSING LAB (ECE-308P) Signal & SystemLab (ECC-259) AI &Machine Learning Lab(AI316P)	CPU: i-5 HP-IDS-280 PRO-G6, HP I-5 10500, 3.1 GHz (10th Gen.) HDD: NV ME SSD 240 GB, RAM: 8 GB,18.5" TFT, USB KeyBoard Mouse O.S.: Windows 11 Home, Microteck (ONLINE 10 K.V) UPSMAX Plus S.No. 19ILPOAA0102 DSP KIT Model:TMs320C6713, Networking Switch (MikroTik Switch CRS226-24G-2S+RM 24 Port), MTDSP - 5000 DSP Trainer kit TMS320C5416 with Lab Cd Rom,Docmatation, MTDSP -6000 mt DSP Trainar Kit for Tm320C6711 with IF Card,Docmention,Microtutor AVR	-------	**NIL**
Engineering & Technology	OPTICAL NETWORK LAB(WMC-332P)	Fiber optic analog/digital link for plastic and glass fiber, fiber optic LED source, fiber optic power meter, continuity tester, ST-Connector /splice installation kit, fiber optic trainer kit, fiber optic LED,LASER, Photo Diode trainer kit, propagation/bending loss trainer kit, mux/demux TDM trainer kit.DSO(3),CRO(2),Function Generator(3)Analog transmitter/receiver kit, digital transmitter/receiver kit, advance digital communication kit	------	**Optical wire**
Engineering & Technology	RF & MICROWAVE LAB Antenna Design	Microwave benches (7) includes Klystron Tube, Frequency MeterVSWR Meter, Radiation Pattern Turn Table, Gunn Power Supply, Gunn Oscillator, Magic Tee, slotted section , tunable tube, E-Plane tee, H-Plane Tea, directional coupler and all the	------	**COLLING FAN** **And HFSS Software**

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

	and Radiating System Lab(ECC-330P) TLWA Lab (ECC-357)	rectangular wave guide components,2-3 GHz Microstrip kit, DSO(4),Fuction generator(5),CRO(5) **25-computers for TLWA lab for HFSS Software(25 User)**		**AMC updated**
Engineering & Technology	Low Power VLSI Design LAB(VLSI 449P) MicroelectronicsLab (ECC-353) C-MOS Analog Integrated Circuit Lab(VLSI-443P) C-MOS Digital Circuit Lab(VLSI-445P)	Cadence Software (30 User) CPU- Hp-Pro-280 G6 HP Pro 280 G9, I-7-12700 2.1 GHz (12th Gen) RAM: 16GB,NVMe SSD:512 GB, OS-Win-11 Home TFT monitor: 5RD66AA 19.5"(20 Nos) Microtik Networking Switch: CRS226-24G-2S-24G-2S+RM 24 PORT, FPGA KIT: TUL PYNQ - Z2 Board, Projector InFocus IN102 (S.N.-BFUM11602126)		**Cadence Software (30 User)**
Engineering & Technology	Wireless sensor Network Lab (ECE-342P) Pattern recognition & Computer Design Lab(ML-411P) Reinforcement learning & deep learning Lab(ML-409P)	Intel 10th Gen i5-10500 3.10Ghz, RAM:8 GB,SSD:240GB,AOC 18.5" LCD Monitor,USB KeyBoard Mouse, CPU- Hp-Pro-280 G9(2-System) Intel 12th Gen i7-12700 2.10Ghz, RAM:16 GB,SSD:512GB, HP 19.5" LCD Monitor, USB KeyBoard Mouse-(19 system), Networking Switch (MikroTik Switch CRS226-24G-2S+RM 24 Port)Serial No. 4C7E04789D44, Microteck (ONLINE 10 K.V) UPS. Projecter EPSON H719C S.No.WDZK6X01640,HP Printer(2025)		**NIL**
Engineering & Technology	Project Lab	Work station, desktop, colour printer, scanner/printer/copiers, LCD projector. COMPUTERS-8,CRO-4,Function Generator-4,Power supply-4,Discreate components.		**SOLDERING IRON AND COMPONENTS**
Engineering &	Research Lab	Work station(2), desktop(8), colour printer(1), scanner/printer/copiers(1), LCD projector(1), iball		

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Technology		talk note(1). OHPC(1) Device simulator silvaco(1) Device simulator Visual TCAD(1) 12 Desktop 1 printer 1 LCD Projector,5diffrent software. COMPUTERS-5		
Engineering & Technology	**PCB Fabrication Lab (Newly Introduced Lab)**	Following items/ equipments have been procured for the above Lab: **1.PROTO-CONTACT:** - PCB Artwork Film maker: The Proto-Contact is a tabletop unit which serves as a negative making contact printer as well as an illuminated Artwork table for Circuit Artwork taping and inspection of Films and negatives**.** **2. PROTOCURE -2/ PCB:** Curing machine (Oven): Tabletop unit for curing of liquid photo resist. Timer controlled heating system allows fast and efficient PCB curing. **3. PCB DRILLING MACHINE:** A compact tabletop High speed PCB drilling machine with a Quick Change Chuck • Drill holding by precision chuck with lapped jaws. • Mains operated DC motor- Direct drive (no belt and pulley). • 3 step speed control. • Illumination of Work Area **4. PCB SHEARING MACHINE:**Benchtop Guillotine type shearing machine to cut PCB's and Laminates. **5. ULTRA-VIOLET EXPOSURE SYSTEM** (With vacuum): A rugged Double Sided exposure unit for PCB / Film exposure. Has a built-in vacuum pump and timer. ldeal for use where Plated thru hole PTH PCBS are to be fabricated. The frame and vacuum suction ensures a very high level of contact between film and laminate. **6.PHOTO RESIST DIP COATING MACHINE:** The Machine is table top and compact. A single Operation unit designed for coating of laminates with Photoresist. The machine ensures uniform controlled thickness of Photoresist on copper clad. **7.ROLLER TINNING MACHINE** - RTM 10 The RTM 10 is a tabletop unit for Tin/Solder coating of PC8's. **8. PCB Design Layout Software:** - (Made	**Chemicals for etching**	**NIL**

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		in Germany) A simple but powerful tool to create layouts for single-sided and double-sided PCBS (Printed Circuit Boards). The software comes along with all functions that are necessary for board design.		

SOFTWARE HELD WITH ECE DEPARTMENT

1. **Cadence Level one Software (30 User)**
2. **HFSS Software(25 User)**
3. **VIVADO System(EDITION+SDSOC)(25 User)**
4. **Visual TCAD Software(1+1 User)**
5. **SILVACO (TCAD Omni Bundle(single User)**

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Program Wise Lab Details

DEPARTMENT : (Electrical and Electronics Engineering)

S.No.	Name of Program	Name of Laboratory	Major Equipment	List of Equipment added during previous year 2024-25	List of Equipment added during Current Year 2025-26
1.	Engineering & Technology	**Control System lab**	Control Transformer (Synchro)- 2 Potentiometer Error Detector – 1 AC Servomotor - 1 DC Motor Position Control – 1 AC Motor Position Control – 1 Linear System Simulator – 1 Magnetic Amplifier – 1 LVDT - 1 CRO - 4 Digital Storage Oscilloscope – 2 Digital Multimeter - 2 PC - 20 LCD Projector - 1 Function Generator – 3 Printer – 1 Internet Switch - 1	Synchro Transmitter Receiver –1 No. Potentiometer Error Detector – 1 AC Servomotor - 1 DC Motor Speed Control – 1 DC Motor Position Control – 1 AC Motor Position Control – 1 Linear System Simulator – 1 Magnetic Amplifier – 1 LVDT - 1 Study of P, PI & PID Controllers -1 Smart Board -1	
2.	Engineering & Technology	**Electrical & Electronics Measuring Instruments Lab**	Digital Multimeter – 1 Kelvin's Double Bridge – 2 Anderson Bridge – 1 Owen's Bridge - 1 DeSauty Bridge – 1 Maxwell Inductance Bridge – 2 CRO -1 Schering Bridge - 2	Calibration of DC & AC Potentiometer –1 R.F. Power Measurement – 1 Trivector Meter - 1	
3.	Engineering & Technology	**Electrical & Electronics Measuring Instruments Lab**	DC Power Supply – 2 Galvanometer – 4 Sine Wave Oscillator – 8 Electronic Standard Cell – 2 Metal Film Resistance – 4 Air Core Inductance on Box – 3 Decade Inductance Box (Two Dials) – 4 Decade Inductance Box (Single Dial) – 1 Decade Inductance Box (4 Dials) – 1 Decade Capacitance Box (Two Dials) – 4 Decade Capacitance Box (4 Dials) – 1 Single & Three Phase Electromechanical and electronic type Energy Meter - 1 Measurement of phase and frequency using CRO		

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

			(Lissajous pattern) – 1 Measurement of Inductance and capacitance using CRO – 1 Measurement of 3 phase power by two watt meter method using instrument transformer – 1 Function Generator - 2		
4.	Engineering & Technology	**Electrical & Electronics Measuring Instruments Lab**	DC Power Supply – 2 Galvanometer – 4 Sine Wave Oscillator – 8 Electronic Standard Cell – 2 Metal Film Resistance – 4 Air Core Inductance on Box – 3 Decade Inductance Box (Two Dials) – 4 Decade Inductance Box (Single Dial) – 1 Decade Inductance Box (4 Dials) – 1 Decade Capacitance Box (Two Dials) – 4 Decade Capacitance Box (4 Dials) – 1 Single & Three Phase Electromechanical and electronic type Energy Meter - 1 Measurement of phase and frequency using CRO (Lissajous pattern) – 1 Measurement of Inductance and capacitance using CRO – 1 Measurement of 3 phase power by two watt meter method using instrument transformer – 1 Function Generator - 2		
5.	Engineering & Technology	**Utilization of electrical energy lab**	PLC trainer kit -1 Wattmeter (5/10A ,75/150/300V) -2 Wattmeter (1/2A, 150,300,600V) -1 Measurement of light intensity of different lamp and draw the polar curve -1 Multimeter -1	Sodium Light Assembly :-(Sodium lamp 55 watt -1 , leak transformer for 55 watt sodium lamp -1, wooden lamp house for 55 watt sodium lamp) Mercury light Assembly :- (mercury lamp 80 watt-1, choke -1, wooden lamp	

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

			Experiment setup for characteristics of welding transformers -1 Tachometer -1 Ammeter Voltmeter set-1 Experiment set up for study of braking scheme of traction motor -1 Experiment setup for to study Resistance heating water load -1 Ammeter voltmeter Set -1 Experiment kit to study charging discharging of super capacitor -1	house for mercury lamp -1) Life cycle tester for battery 12 volt -1 Digital lux meter -1 12-48 volt /20amp 1000watt high frequency low voltage induction heating module -1	
6.	Engineering & Technology	**AI lab**	COMPUTER SYSTEMS (i5) -8 PRINTER -1 LCD PROJECTOR – 1 SMART BOARD -1	COMPUTER SYSTEMS (i7)-14	
7.	Engineering & Technology	**Power system lab**	SETUP OF TRANSFORMER OIL TESTING-2 , SETUP OF TRANSMISSION LINE ABCD PARAMETERS-1, SETUP OF FERRENTI EFFECT IN TRANSMISSION LINE-2, EARTH RESISTANCE TESTER-2, SETUP OF LINE TO LINE FAULT-1, SETUP OF SINGLE LINE TO GROUND FAULT-2, SETUP OF PERCENTAGE BIASED DIFFERENTIAL RELAY-1, SETUP OF INSTENTANEOUS OVER CURRENT RELAY-1, SETUP OF OVER VOLTAGE RELAY-1, SETUP OF CHARACTRISTICS OF MCB-2, SETUP OF CHARACTERISTICS OF FUSE AND THERMAL RELAY-2, SETUP OF IDMT EARTH FAULT RELAY-2, 3 PHASE TRANSFORMER-2, MULTIMETER-2, CLAMPMETER-2, ETAP CABLE FAULT LOCATOR-1, RHEOSTATE-2 GALVANOMETER-1	COPPER BONDED EARTH ROD (SET OF 3)-1 DIGITAL MULTIMETER-1	
8.	Engineering & Technology	**Computational Methods lab**	PC(PERSONAL COMPUTER) - 25	PC(PERSONAL COMPUTER) - 3	
9.	Engineering & Technology	**Sensor & Transducer Lab**	Electromagnetic Pickup – 1 Optical Transducer – 3 LVDT Trainer – 4		

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

			Photoelectric Pickup – 1 Stroboscope -1 Strain Gauge Trainer – 3 Pressure Transducer Trainer – 4 Water Level Measurement Trainer – 2 Temperature Transducer – 4 Distance Measurement Trainer – 3 Digital Multimeter – 2 LCR Meter 55A - 2 Power Supply - 8		
10	Engineering & Technology	**Electrical Workshop**	Clamp Meter -2 D.O.L starter (Single phase) -2 ELCB (63 Amp/30mp) -5 Hammer -5 Multimeter -10 MCB (S.p) ,(6mp/32Amp) – 5 MCB (D.P) ,(6mp/32Amp) -5 MCB (T.P) ,(10Amp/32Amp) -5 MCB (T.P) ,(63Amp) – 5 MCB (F.P) ,(10 Amp/32 Amp)-5 MCB (F.P) ,(63 Amp) -5 Megger -2 TOOLS Drill Machine -2 Screw Driver Set -5 Wire Stripper And Cutter – 10 Plier -5 Nose cutter -2 File (Rati) - 1		
11	Engineering & Technology	**CIRCUIT AND SYSTEMS LAB**	Signal Generator Counter – 1 Spectrum Analyzer-1 A.F.Milli Ameter(0-5ma)-1 A.C.Milli Voltmetr-3 I.C.Regulator Dc Power Supply/Semiconductor Application 302510-2 Dc Power Supply 220v,20a-2 Power Supply Trinity-8 Triple Power Supply-5 Monopower Supply Scientific 30v,2a-5 Function Generator-2 Digital Multimeter-3 Multimeter Rishabh-4 Multimeter Unity-4 Multimeter Trinity Yellow-6 Multimeter Mast Tech-4 Solid State Ac Milli Voltmeter-2 Audio Amplifier-1 Ammeter(0-3a)-1 Ammeter(0-10/20a) -2 Ammeter(0-1/2a)-2 Voltmeter(0-3v)-1	To Study Of Z,Y,T & H Parameters (Two Port Network) - 01 To Design Interconnection Of Z,Y,T & H Parameters Of Given Two Port Network – 01 To Study The Frequency Response Of Different Filter Circuit – 01 To Study Transient Response Of Series Rlc Circuit For Different Types Of Wave Form On Cro – 01	

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

			Voltmeter(0-15/30v)-15 Voltmeter(0-250v)-2 Mi Voltmeter(0-125/250)-6 Mc Voltmeter (0-125/250v)-2 Ammeter (0-15/30ma)-14 Ammeter(0-1/2a)-2 Ammeter(0-5/10a)-2 Ammeter(0-15/30a)-10 Training Board Passive Filter-2 Fixed Inductance 20ua,6a-3 Fixed Inductance (10ua,6a) -2 Condenser 100mfd-2 Condenser 150mfd-2 Adaptor 6v-2 Soldering Iron-3 Soldering Iron Stand-5 Transformer(6-0-6)-1 Transformer (12-0-6)1 Bread Board-10 C.R.O.Demonstrator Type -1 C.R.O. Scientific 30mhz—4 C.R.O.Caddo Scientific 25mhz-4 C.R.O.Probe-1 Fourier Analysis Kit Omega-4 Fourier Analysis Kit Square/Clipped Wave-1 Reciprocity Trinity-2 Cascade Two Port Network Trinity-8 Cascade Teo Port N/W Nisco-3 Thevrnin And Norton Theorem Trinity-3 Superposition Theorem Trinity-3 Maximum Power Transfer Theorem Trinity-3 Tranisient Response Of Rlc Circuit Nisco-2 Dc Power Supply (02/98)-2 Digital Storage Oscilloscope Rajat Premier-4 Transient Response Of Rlc Circuit Rajat Prmier-4 Cascade Two Port Network Rajat Premier-8 Freq Response Of Different Filter-4 To Study Of Z,Y,T Parameters (Two Port Network) - 04 To Design Interconnection Of Z,Y,T Parameter Given Two Port Network – 03 To Determine H Parameters And Its Interconnetion Of Given Two Port – 01 To Study The Frequency Respones Of Different Filter Circuit – 02 To Study Transient Response		

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

			Of Series Rlc Circuit For Different Types Of Wave Form On Cro – 02 Digital Storage Oscilloscope - 02		
12	Engineering & Technology	**Electrical Machines Lab**	Hysteresis Motor - 2 No. Universal Motor - 1 Single Phase Induction Motor with Capacitor 0.75 KW, 1 HP, 1500 RPM Six Terminal - 2 Single Phase Induction Motor with Capacitor 1 HP, 1500 RPM Four Terminal - 1 Single Phase Induction Motor 1 HP, 1500 RPM Coupled with Shunt Generator 1 KW, 1500 RPM - 2 Three Phase Induction Motor Slip Ring Type, 3.7 KW, 5HP, 1500 RPM, 440V Coupled with DC Shunt Generator 3.75 KW, 1500 RPM,230V, 15 Amp - 2 Synchronous Motor 3 Phase 5 HP, 1500 RPM Coupled with DC Shunt Generator 3 KW, 1500 RPM Coupled with Exciter Shunt Wound 0.75 KW, 1500 RPM - 1 3 Phase Squirrel Cage Induction Motor 1 HP, 440V, 960 RPM, 6 Terminal - 2 3 Phase Squirrel Cage Induction Motor with Pulley Spring Balance 3 HP, 1440 RPM, 415 V, 4 Amp - 1 Schrage Motor 7.5 HP, 11.5 Amp, 400 V, 600 – 2100 RPM - 1 DC Shunt wound Motor with mechanical braking 5 HP, 220 V, 1500 RPM - 2 DC Shunt wound motor 1 HP, 4 Amp, 1500 RPM, 220 V - 2 DC Shunt wound Motor 2.25 KW, 220 V, 1500 RPM Coupled with DC Shunt Generator 3 KW, 1500 RPM, 220 V, 8 Amp - 2 DC Shunt Motor 5 HP, 1500 RPM coupled with Induction Generator 5 KW, 1440 RPM - 1 DC Shunt wound Motor 5 HP, 220 V, 1500 RPM coupled with 3 Phase Alternator 3 KW,		

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

			1500 RPM, 415 V - 1 DC Shunt Motor 1 KW, 1500 RPM coupled with 3 Phase Alternator 3 KW, 1500 RPM, 415 V - 1 DC Shunt Motor 1 KW, 220 V, 1500 RPM Coupled with 3 Phase Alternator 400 V - 1 DC Shunt wound Motor 5 HP, 220 V, 1500 RPM coupled with 3 Phase Alternator 440 V, 3 KVA, 1500 RPM with one Control Panel - 2 DC Shunt wound Motor 5 HP, 220 V coupled with 3 Phase Alternator 440 V, 3 KVA With One Control Panel - 1 Stepper Motor Training Kit - 2 Single Phase Transformer 2 KVA, 230/230 V with 50% & 86.6% tappings on the secondary side - 6 Single Phase Transformer 2 KVA, 220/110 V, 50Hz with centre tap on the secondary side - 6 Three Phase Transformer 3 KVA, 400/220 V 50Hz with centre tapping on the secondary side - 3 3 Phase to 2 Phase Conversion Transformer 3KVA,400/220 V, 50 HZ with centre tapping on the secondary side - 2 Single Phase Variac Input – 240 V, Output -- 0-270 V, 15 AMP – 5 3 Phase Variac 415 V, output Current – 15 Amp per line - 3 DC Rectifier Input – 230 V, Output – 0-270 V DC, 10 Amp - 1 Capacitive Load 3 Phase, 415 V, 0-10 Amp - 1 Inductive Load 3 Phase 415 V, 0-10 Amp – 1 Single Phase Loading Rheostat 220V, 2.5 KW - 3 Three Phase Loading Rheostat 440 V, 5.1 KW - 2 Star Delta Starter - 2 DOL Starter - 2 DC 3 Point Starter, 220 V – 6 Tachometer Digital, Laser Type - 3 Rheostat 50 ohm , 5 Amp - 3 Rheostat 100 ohm , 5 Amp - 1 Rheostat 1,1 K ohm , 1.2 Amp - 2		

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

			Rheostat 1000 ohm , 1.2 Amp - 2 Rheostat 1000 ohm, 1.5 Amp – 3 No. Rheostat 300 ohm , 1.5 Amp - 7 Rheostat 320 ohm , 1.6 Amp - 1 Single Phase Portable Wattmeter 300/600 V, 10/20 Amp - 6 Single Phase Portable Wattmeter Electrodynamometer type 150/300 V, 5/10 Amp - 2 Single Phase Portable Wattmeter 250/500 V, 1/2 Amp - 2 Wattmeter portable, LPF, 150/300V, 5/10 Amp – 1 No. Wattmeter portable, UPF, 300/600V, 10/20 Amp – 1 No. Digital Multimeter – 5 Voltmeter AC, MI Type , 0-150/300 V – 8 Voltmeter AC, MI Type , 0-300/600 V – 10 Voltmeter AC, MI Type , 0-75/150 V – 4 Ammeter AC, MI Type, 0-2 Amp – 2 Ammeter AC, MI Type, 0-5/10 Amp – 8 Ammeter AC, MI Type, 0-10/20 Amp – 5 Ammeter AC, MI Type, 0-15/30 Amp – 2 Milliammeter AC, MI Type, 0-500 m Amp - 3 Milliammeter AC, MI Type, 0-750m Amp – 2 Voltmeter DC, Permanent Magnet Moving Coil Type 0 - 150/300 V - 2 Voltmeter DC, Permanent Magnet Moving Coil Type 0 - 300 V - 4 Voltmeter DC, Permanent Magnet Moving Coil Type 0 - 250 V - 8 Ammeter DC, Permanent Magnet Moving Coil Type 0 – 1 Amp – 6 Ammeter DC, Permanent Magnet Moving Coil Type 0 – 2 Amp – 6 Ammeter DC, Permanent Magnet Moving Coil Type 0 – 5 Amp – 9 Ammeter DC, Permanent Magnet Moving Coil Type 0 –		

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

			10 Amp – 6		
13	Engineering & Technology	**Electrical Science Lab**	Ammeter(DC)(0-15/30mA) =01Nos, Ammeter(DC)(0-500mA) =01Nos, Ammeter(DC)(0-1A) =01Nos, Ammeter(AC)(0-1A) =05Nos, Ammeter(DC)(0-2A) =02Nos, Ammeter(AC)(0-2A) =03Nos, Ammeter(DC)(0-1/2A) =03Nos, Ammeter(AC)(0-1/2A) =02Nos, Ammeter(AC)(0-5A) =03Nos, Ammeter(AC)(0-5/10A) =17Nos, Ammeter(DC)(0-10/20A) =03Nos, Ammeter(AC)(0-10/20A) =04Nos, Voltmeter(AC) (0-30V)= 02 Nos Voltmeter(AC) (0-75V)= 01 Nos Voltmeter(AC) (0-75/150V) = 02 Nos, Voltmeter(AC) (0-50/100V) =01 Nos. Voltmeter(AC)(0-150V)=02 Nos Voltmeter(AC)(0-250V)=01 Nos Voltmeter(AC) (0-125/250V) = 14 Nos, Voltmeter(DC) (0-125/250V) = 01Nos, Voltmeter(DC)(0-150/300V) = 02 Nos, Voltmeter(AC) (0-150/300V) = 07 Nos, Voltmeter(AC)(0-300/600V)= 01 Nos., Wattmeter (150/300/600V, 5/10A)= 12 Nos, Wattmeter(75V, 10/20A)= 02Nos, Wattmeter(75V, 5/10A)= 01Nos, Wattmeter(0-75/150/300V, 1/2A)=01 Nos, Wattmeter(0-150/300V, 1/2A)= 01Nos, Wattmeter(0-250V, 5/10A)= 01Nos, Wattmeter(0-150/300/600V, 10/20A)= 01Nos, Variac(Single Phase)(0-	Superposition theorem kit =01 No. Thevenins theorem kit=01No. Reciprocity theorem kit =01 No. Maximum power transfer theorem kit=01 No.	

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

			250v,10A)=17 Nos, Resistive Load(Single Phase)(3.5Kw,250V) =07 Nos, Inductive Load(Single Phase)(5A,250V) =05Nos, Variac(Three Phase)(0-470V,10A) =03Nos, Resistive Load(Three Phase)(5.1Kw, 440V) =03Nos, DC Supply(0-270v)=02Nos, Megger(160rpm)=01 Nos, Energy Meter(Single Phase) =04Nos, Transformer(Single Phase)(2KVA, PRIM 220V, SEC. 110V, 50Hz) =04Nos, Transformer(Single Phase)(1KVA, PRIM 220V, SEC. 110V, 50Hz) =02Nos, Three phase Induction motor=03Nos, Tachometer=02Nos, Stopwatch=02Nos, Superposition theorem kit=05Nos, Thevenins theorem kit=05Nos, Reciprocity theorem kit =05 Nos Maximum power transfer theorem kit=05 Nos Millimens theorem=02Nos, Rheostat=27Nos, Staircase wiring kit=03Nos, DC Shunt Motor(12A,1500RPM)=03Nos, Digital multimeter=06 Nos. Three phase Induction motor=03Nos, Digital multimeter=02 Nos		
14	Engineering & Technology	**POWER ELECTRONICS LAB**	SCR Characterstics – 01 UJTcharacterstics-02 no. TRIAC-01 Cycloconverter-02 Pwm inverter-01 H/w converter-01, Full wave converter-01 Scr commutation techniques-1 John'chopper-01, Morgn chopper-01 C-chopper-01 Buckboost converter-01 SCR rectifier circuit-01 Mosfet characteristics.-01 Multimeter-03, CRO-05 To study characteristics of TRIAC – 1	AC Phase Control Using SCR – 01, MOSFET & IGBT Kit -01, R,RC& UJT Triggering Ckt Kit - 01, SCR & TRIAC VI Characteristics Kit-01, SPWM Inverter Kit-01, Ammeter 25mA -01, Voltmeter 20/300 V-01.	

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

			To study characteristics of IGBT – 1 To study Triggering Circuit of R & RC & UJT circuit-1 To study switching charcterstics of SCR & TRIAC-1 To study swithing characterstics of MOSFET& IGBT-1 Switching characterstics USING R,RC& UJT -1 Square wave inverter-1 AC phase control using SCR (half wave & full wave)-1		
15	Engineering & Technology	**Electrical Vehicle Powertrain and Motor Design Lab**	Multimeter-01, Hydrometer (Specific Gravity 0.990-1.3)-01, Alternator(12V, 100A, 1500rpm)-01, Alternator V-Belt 32 inch 01, Alternator Pulley-01 Combination Plier.8inch-01 Nose Plier,6inch-01 Screw Driver Set-01 Wire Cutter,6inch-01 Double Spanner Set,6inch to 22inch-01 Adjustable spanner,8inch-01 Hammer,100g-01 Soldering Iron 25W-01 Soldering iron stand-01 Three Phase Slipring Induction motor With Panel-01, Single Phase Induction Motor-01 Starter Motor (12V, 2.8kW)-01, Voltmeter (MI Type, 0-30V)-01, Ammeter (MI Type, 0-20A)-01, , Battery (Lead Acid, 12V, 40AH)-01	DC MCB,32A,2P,55V-01 Hydrometer-01 Dbr,300W-130E-01 Variable frequency AC Drive (2HP, 230V)-01 Right Angle Bewel Gearbox, -01 RC Front Gearcase Gear Set Planetry -01 CVT Gearbox-01 Inverter (250V, 4A)-01 Battery Water Level Indicator-06	

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

			Ignition System-01 Off Board Diagnostics Systems (OBDS) (V519 OBD Scanner)-01,		
16	Engineering & Technology	**Battery Management System Lab**	Multimeter-01, Lithium ion battery -12 V, 12 Ah / 150 Wh-01, Battery charger-01, Lead-acid battery 80Ah 12V-01, 12V Charger/Inverter 220V AC-01, Lithium Ion Cells 1200MAh-20, Lithium Ion Cells (2600MAh, 1C)-20, Battery management system (BMS)-04, Load simulator or resistor bank-06 Ammeter 50A -01, Battery Pack 12V/13Ah -01, Voltmeter 30V Ac/Dc -01, Clamp Meter -01, Inverter 850VA/680Watt -01, Resistance 2ohm -06, Battery 12v 34Ah -01, Battery 12v 100Ah -01	Battery Charger 48volt /10 amp -01,	
17	Engineering & Technology	**R&D Lab**	PC i5-3 PC i3-2		
18	Engineering & Technology	**Embedded Systems for Electric Vehicles**	8051Universal Development Trainer-07		

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Program Wise Lab Details

Department: Information Technology

Name of Program	Name of Laboratory	Major Equipment	List of Equipment added during previous year 2024-25	List of Equipment added during Current Year 2025-26
Engineering & Technology	Data Structures Lab(CIC 255) (3rd Semester)	66 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 01 No's LaserJet Printer 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	Computational Methods Lab(ES 251) (3rd Semester)	66 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 01 No's LaserJet Printer 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	OOP using C++ Lab (CIC 257) (3rd Semester)	30 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 36 No's Computer Nodes (Intel Core i3, 4 GB RAM/, 500 GB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	Programming in JAVA Lab. (CIC-258) (4TH Semester)	30 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 36 No's Computer Nodes (Intel Core i3, 4 GB RAM/, 500 GB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	Probability, Statistics and Linear Programming Lab (BS252) (4th Semester)	30 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 36 No's Computer Nodes (Intel Core i3, 4 GB RAM/, 500 GB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Engineering & Technology	Database Management Systems Lab. (CIC- 256) (4th Semester).	66 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 01 No's LaserJet Printer 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	Computer Network Lab (CIC-355) (5th Semester)	66 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 01 No's LaserJet Printer 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	Design and Analysis of Algorithms Lab (CIC-359) (5th Semester)	66 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 01 No's LaserJet Printer 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	Operating System Lab(CIC-353) (5th Semester)	30 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 36 No's Computer Nodes (Intel Core i3, 4 GB RAM/, 500 GB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	Software Engineering Lab (CIC- 357) (5th Semester))	66 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 01 No's LaserJet Printer 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	Complier Design Lab.(CIC 351) (5th Semester)	47 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 04 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	19 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD)	NIL
Engineering & Technology	Web Technology Lab (CIE-356P) (6th Semester)	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 13 No's Computer Nodes (Intel	01 No's 10 KVA Online U.P.S. with 16 Batteries	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD)

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		Core i3, 4 GB RAM, 500 GB HDD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries		01 No's Smart Board
Engineering &Technology	Programming in Python Lab (CIE-332P) (6th Semester)	47 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 04 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	19 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD)	NIL
Engineering & Technology	MACHINE LEARNING Lab (ML-342P) (6th Semester)	30 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 36 No's Computer Nodes (Intel Core i3, 4 GB RAM/, 500 GB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	Advanced Java Programming Lab (CIE-306P/ FSD-318P) (6th Semester)	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 13 No's Computer Nodes (Intel Core i3, 4 GB RAM, 500 GB HDD) 01 No's LaserJet Printer 01 No's Smart Board 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's 10 KVA Online U.P.S. with 16 Batteries	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's Smart Board
Engineering & Technology	Artificial Intelligence Lab (AI-302P / CIE-374P) (6th Semester)	47 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 04 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	19 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD)	NIL
Engineering & Technology	Web Development using Mern Stack Lab (FSD-322P) 6th Semester	47 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 04 No's Switch (24 Port each)	19 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD)	NIL

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		01 No's 10 KVA Online U.P.S. with 16 Batteries		
Engineering & Technology	STATISTICS, STATISTICAL MODELLING & DATA ANALYTICS Lab (DA-304P) (6th Semester)	47 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 04 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	19 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD)	NIL
Engineering & Technology	Machine Learning Lab (ML-407P) (7th Semester)	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 13 No's Computer Nodes (Intel Core i3, 4 GB RAM, 500 GB HDD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's 10 KVA Online U.P.S. with 16 Batteries	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's Smart Board
Engineering & Technology	Reinforcement & Deep Learning Lab. (ML-409P) (7th Semester)	30 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 36 No's Computer Nodes (Intel Core i3, 4 GB RAM/, 500 GB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board .	NIL
Engineering & Technology	Pattern Recognition and Computer Vision Lab (ML-411P) (7th Semester)	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 13 No's Computer Nodes (Intel Core i3, 4 GB RAM, 500 GB HDD) 01 No's LaserJet Printer 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's 10 KVA Online U.P.S. with 16 Batteries	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's Smart Board
Engineering & Technology	Data Science Lab (CIE-405P) (7th Semester)	47 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD) 01 No's LaserJet Printer 01 No's Smart Board 04 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	19 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD) 19 No's Computer Nodes (Intel Core i7, 16 GB RAM, 500 GB SSD)	NIL
Engineering & Technology	Web Mining Lab. (CIE-431P) (7th Semester)	30 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 36 No's Computer Nodes (Intel Core i3, 4 GB RAM/, 500 GB HDD))	01 No's Smart Board	NIL

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries		
Engineering & Technology	Web and Mobile Application Testing and Deployment (FSD-439P) (7th Semester)	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 13 No's Computer Nodes (Intel Core i3, 4 GB RAM, 500 GB HDD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's 10 KVA Online U.P.S. with 16 Batteries	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's Smart Board
Engineering & Technology	Mobile app development Lab (FSD-437P) (7th Semester)	66 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 01 No's LaserJet Printer 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	PHP Programming and My SQL Lab (FSD-435P) (7th Semester)	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 13 No's Computer Nodes (Intel Core i3, 4 GB RAM, 500 GB HDD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's 10 KVA Online U.P.S. with 16 Batteries	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's Smart Board
Engineering & Technology	Supervised and Deep Learning Lab (ML-463P) (7th Semester)	66 No's Computer Nodes (Intel core i5, 8GB RAM, 1 TB HDD)) 01 No's LaserJet Printer 01 No's Smart Board 01 No's LaserJet Printer 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's Smart Board	NIL
Engineering & Technology	Cyber Crime and Cyber Laws Lab (CS-421P) (7th Semester)	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 13 No's Computer Nodes (Intel Core i3, 4 GB RAM, 500 GB HDD) 01 No's LaserJet Printer 01 No's Smart Board 03 No's Switch (24 Port each) 01 No's 10 KVA Online U.P.S. with 16 Batteries	01 No's 10 KVA Online U.P.S. with 16 Batteries	53 No's Computer Nodes (Intel core i7, 16GB RAM, 500 GB SSD) 01 No's Smart Board

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY AND ENGINEERING

Program Wise Lab Details

S. No.	Name Of The Program	Name Of Laboratoy	Equipment Name (with specifications)	List of Equipment added during previous year 2025-2026	List of Equipment added during current year 2026-2027
1	Engineering and Technology	Computer Networks Lab (CIC-355)	84 (70[i7] & 14 [i5]) Computer Nodes, 01 Laser Jet Printer, 01 Smart Board, 03 Switch 24 Ports	0	0
2	Engineering and Technology	Computational Methods Lab (ES-251)	84 (70[i7] & 14 [i5]) Computer Nodes, 01 Laser Jet Printer, 01 Smart Board, 03 Switch 24 Ports	0	0
3	Engineering and Technology	Software Engineering Lab (CIC-357)	84 (70[i7] & 14 [i5]) Computer Nodes, 01 Laser Jet Printer, 01 Smart Board, 03 Switch 24 Ports	0	0
4	Engineering and Technology	Operating Systems Lab (CIC-353)	84 (70[i7] & 14 [i5]) Computer Nodes, 01 Laser Jet Printer, 01 Smart Board, 03 Switch 24 Ports	0	0
5	Engineering and Technology	Data Structures (CIC-255)	42 Computer Nodes, 01 Laser Jet Printer, 01 Smart Board, 03 Switch 24 Ports	0	0
6	Engineering	Design and	84 (70[i7] & 14 [i5])	0	0

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

	and Technology	Analysis of Algorithms (CIC-359)	Computer Nodes, 01 Laser Jet Printer, 01 Smart Board, 03 Switch 24 Ports		
7	Engineering and Technology	Object Oriented Programming (CIC-257)	84 (70[i7] & 14 [i5]) Computer Nodes, 01 Laser Jet Printer, 01 Smart Board, 03 Switch 24 Ports	0	0
8	Engineering and Technology	Compiler Design Lab (CIC-351)	42(28[i7] & 14[i5]) Computer Nodes, 01 Laser Jet Printer, 01 Smart Board, 03 Switch 24 Ports	0	0
9	Engineering and Technology	Ethical Hacking (CS-425P)	42(28[i7] & 14[i5]) Computer Nodes, 01 Laser Jet Printer, 01 Smart Board, 03 Switch 24 Ports	0	0

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Program Wise Lab Details

DEPARTMENT: (ME and MAE)

Name of Program	Name of Laboratory	Major Equipment	List of Equipment added during previous year 2024-25	List of Equipment added during Current Year 2025-26
Engineering & Technology	● Computer Integrated Manufacturing Lab (MEE-405P) ● Industrial Robotics Lab (CADM-405P) ● CAD/CAM Lab (CADM-302P) ● Probability, Statistics and Linear Programming Lab (BS-252)	●CNC Lathe ● CNC Milling ● Flexible Manufacturing System with 6-axis Robot, ASRS and Conveyor ● Computer Systems (25 Nos) ● Laser Jet Printer (1 No) ● LCD Projector	Networking Switch (1 No, 24 Port)	
Engineering & Technology	● Computational Method Lab (ES-251) ● Machine Learning Lab (ML-407P) ● Artificial Intelligence Lab (AI-302P) ● Statistics, Statistical Modeling and Data Analysis Lab (DA-304P) ● System Modeling, Simulation and Analysis Lab (MEE-336P)	● Computer Systems (25 Nos) ● LaserJet Printer (1 No) ● Networking Switch (24 Port - 2 Nos) ● LCD Projector ● Interactive AI Digital Board		
Engineering & Technology	● Mechatronics lab (MAC 356)	●Equipped with Electro-Pneumatic Actuation System with 3/2, 5/2 valves, ●Microcontroller kits, ●Allen Bradley Micro Controller, ●3D Printers ●Computer system	A1 Mini 3D Printer (01 No)	

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Engineering & Technology	●Workshop (ES 164)	● Holding Tools: Bench Vice, Pipe Vice etc. ● Striking Tools: Different types of Hammer ● Cutting Tools: Chisels, Hacksaw, Power Hacksaw, Files, Scraper etc. ● Drilling Tools: Drill Machine, Reamers, Tap & Dies etc. ● Measuring, Marking and Testing Tools: Steel Rule, Try Square, Calipers, V-Block, Surface Plate, Punches, Fillet, Gauges, Scriber etc. ● Marking Tools : Steel Rules, Scriber, Trammel etc. ● Cutting Tools : Snips, Sheet Cutter etc. ● Punches; Stakes; Chisels; Hammers; Mallet; Wire Gauge etc. ● Computer System ● Foundry Tools : Molding Box, Patterns, Shovel, Trowel, Rammer, Lifter, Strike-off Bar, Vent Wire, Riddle, Ladle etc ● Electric Arc Welding Machine ● Spot Welding Machine ● TIG Welding Machine ● Plasma Welding Machine ● Oxy-Acetylene Gas Welding Machine ● Tools and Accessories :Electrode Holder,Ground Clamps, Welding Electrodes, Filler Rods, Chipping Hammer, Wire Brush, Welding Face Shield and Goggles, Welding Gloves, Tong, Vice, Steel Rule		
Engineering & Technology	● Injection Moulding Lab (CADM-304P)		Hand Moulding Machine, Semi Automatic Plastic Injection Moulding Machine, Computer System	
Engineering & Technology	● Manufacturing Science and Technology-I Lab (MEC-259)	● Grain Distribution Testing Machine ● Universal Sand Strength Testing Machine		

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		● Clay Content Testing Machine ● Moisture Content Testing Machine ● Sand Hardness Testing Machine ● Rammer Machine ● Muffle Furnace		
Engineering & Technology	● Computational Fluid Dynamics Lab (CADM-401P) ● Computer Aided Design and Drafting Lab (CADM-403P) ● Machine Design-II Lab (MEC-351) ● Machine Design-I Lab (MEC-258)	● Computer Systems (25 Nos) ● Laser Jet Printer ● Networking Switch (24 Port - 2 Nos) ● LCD Projector ● Demonstration Model of Different Machine Components	Cybernetyx Eyeris Panel 75"(1-No)	
Engineering & Technology	● Pattern Recognition and Computer Vision Lab (ML-411P) ● Reinforcement Learning and Deep Learning Lab (ML-409P) ● Engineering Graphics-II Lab (ES 158)	● Computer Systems (25 Nos) ● Laser Jet Printer ● Networking Switch (24 Port) ● LCD Projector		Teacmint 75" Interactive Flat Panel Model Star X20755B14
Engineering & Technology	● Metrology and Instrumentation Lab (MEC-355)	● Tool Maker Microscope ● Profile Projector ● Floating Carriage Micrometer ● Roughness Tester ● Surface Plate ● Different Types of Gauges (Slip Gauges, Ring Gauge, Plug Gauge etc.) ● Spirit Level ● Sine Bar ● HTC Ultrasonic Distance Meter ● Thermo Hygrometer Clock ● Vernier Height Gauge ● Vernier Caliper ● Micrometer ● Bevel Protractor ● Comparator ● Planimeter	Digimatic Calliper, Long Calliper, Dial Test Indicator, Clamp Box for Bevel Protractor, Universal Protractor Blade, Digital Protector, Thickness Gage, Outside Micrometres and Height Gauge	Coordinate Measuring Machine, 2D height Gauge, Roughness Tester, Hand tools

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Engineering & Technology	● Heat and Mass Transfer Lab (MEC-357)	● Forced Convection Apparatus ● Pin Fin Apparatus ● Heat Exchanger Test Rig ● Guarded Hot Plate Apparatus ● Metal Rod Apparatus ● Emissivity Testing Apparatus ● Stefan Bolzman Apparatus ● Composite Wall Apparatus ● Parallel and Counter Flow Heat Exchanger Apparatus ● Computer System		
Engineering & Technology	● Manufacturing Science and Technology-II Lab (MEC-254)	● Electrical Discharge Machine ● Lathe Machine with accessories ● Vertical Milling Machine ● Horizontal Milling Machine ● Shaper Machine ● Hobbing Machine ● Surface Grinder ● Tool Grinder ● Bench Grinder ● Ordinary Microscope ● Dynamometer ● Power Hacksaw		
Engineering & Technology	● Fluid Mechanics and Hydraulic Machines Lab (MEC-353)	● Bernoulli Theorem Apparatus ● Orifice Meter Apparatus ● Venturimeter Apparatus ● Darcy's Law Apparatus ● Reynolds Apparatus ● Metacentric Height Apparatus ● Major Losses Apparatus ● Minor Losses Apparatus ● Pipe Friction Apparatus ● Determination of Losses in sudden Enlargement ● Francis Turbine Test Rig ● Pelton Turbine Test Rig ● Centrifugal Pump Apparatus ● Impact of Jet on Vanes Apparatus ● Computer System		
Engineering & Technology	● Theory of Machines Lab (MEC-253)	● Epicyclic Gear Train and Holding Torque Apparatus ● Coriolli's Acceleration Apparatus ● Balancing of Reciprocating		

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		Masses Apparatus ● Balancing of Rotating Masses Apparatus ● Energy of Flywheel Apparatus ● Whirling of Shaft Apparatus ● Universal Vibration Testing Machine ● Static and Dynamic Balancing Apparatus ● Gyroscope Apparatus ● Cam Analysis Apparatus ● Universal Governor Apparatus ● Bifilar Suspension System ● Trifilar Suspension System ● Undamped Vibration of Spring-Mass System ● Four speed automobile gear box ● Models : Cam and Follower Mechanisms ● Different types of Gear and Gear Trains ● 4-Stroke and 2-Stroke Petrol and Diesel Engine ●Hydraulic Brake ●Centrifugal Clutch ●Reciprocating Engine Mechanism ●Oscillating Cylinder Mechanism ●Whithworth Quick Return Mechanism ●Pentograph Mechanism ●4-Bar Link Mechanism ●Crankshaft and Connecting Rod ●Gas Turbine ●Belt Drive System ● Computer System		
Engineering & Technology	●Strength of Materials Lab (MEC-255) ●Strength of Materials Lab-II (MEE-413P)	● Computerized Universal Testing Machine ● Torsion Testing Machine ● Izod Impact Testing Machine ● Charpy Impact Testing Machine ● Rockwell Hardness Testing Machine ● Brinell Hardness Testing Machine ● Fatigue Testing Machine		Strain Gauge Apparatus

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		● Deflection of Beam Apparatus ● Flexural Testing Machine ● Creep Testing Machine ● Strain Measurement Apparatus ● Buckling of Struts Apparatus ● Analogue Extensometer ● Computer System		
Engineering & Technology	● Thermal Engineering-I Lab (MEC-257) ● Thermal Engineering-II Lab (MEC-256)	● Morse Test Rig for Petrol Engine ● Four Stroke Diesel Engine Test Rig with Eddy Current Dynamometer ● Four Stroke Diesel Engine Test Rig with Mechanical Dynamometer ● Four Stroke Petrol Engine Test Rig with Electric Dynamometer ● Separating cum Throttling Calorimeter Setup ● Working System of Steam Engine ● Cut Section of 4 Stroke SI and CI Engine ● Model : Babcock and Wilcox boiler, Turbojet Engine etc. ● Cut Section of Maruti 800 Gear box (Transaxle) ● Petrol Engine of Maruti Esteam Car ● Petrol and Diesel Engine Models ● Solex Carburetor ● Differential Gear Box ● Steering System ● Cut Section & Working Model of Hydraulic Power Brake system ● Cut Section & Working Model of Centrifugal Clutch ● Cut Section & Working Model of One Way free Wheel Clutch ● MPFI ● Synchronous Gear Box ● Computer System		
Engineering & Technology	● Refrigeration and Air Conditioning Lab (MEE-316P)	● Ice Candy Test Rig ● Refrigeration Test Rig ● Air-Conditioning Test Rig ● Cogeneration Test Rig	Solar Thermal Adsorption Refrigeration (Star) System, Multi Heat Exchanger System	Inverter/Non-Inverter Split Units, Cassette Units, Deep Freezers, Air Purifiers and VRV Systems, Vapor compression-adsorption refrigeration

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

		● Basic Refrigeration accessories and Control System ● Domestic Refrigerator Charging Setup ● Electrolux Refrigeration Setup ● Gas Charging Setup ● Compressor Model ● Thermal Camera ● Refrigerant Leakage Detector ● Computer System ● Half Cycle Cooling System ● Ejector System ● Cascade System ● Dedicated and Integrated Subcooling System ● Psychrometric System ● Ice Slurry Generator ● IoT-Based System ● Air Purification AH ● Air Sterilizer AHU ● Stirling Cooling System		system
Engineering & Technology	● Engineering Graphics-I (ES157)	● Models of Different Types of Solids ● Drawing Boards		

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086

Program Wise Lab Details

DEPARTMENT: DEPARTMENT OF MANAGEMENT

Name of Program	Name of Laboratory	Major Equipment	List of Equipment added during previous year 2024-25	List of Equipment added during Current Year 2025-26
Department of Management	Computer Lab 743	• System (HP) -34 • System (Lenovo) -28 • Laser Printer (Canon) -01 • NetworkingSwitch(24Port) -03 • Smart Board -01 • A/C -04		• CCTV Camera -04

Prof. (Dr.) Vikram Bali
Director
Maharaja Agrasen Institute of Technology
PSP Area, Sector-22, Maharaja Agrasen Chowk
Sector-22, Rohini, Delhi-110086