

Ajay Kumar Garg Engineering College, Ghaziabad

Details Of Total Computer For Students

System Specificaiton	Quantity
i7	94
i5	443
i3	517
C2D	170
Total System	1224



Server Room Network Rack				
S.No.	Make	Item Type	Model	Quantity
1	Cisco	L3 Switch	Catalyst 9300(24 Port)	1
2	Fortinet	Analyzer	Fortinet Analyzer 200D	1
3	Fortinet	L3 Firewall	Fortigate 500E	1
4	Cisco	L3 Switch	SX550X-24F-24 Port 10 GB SFP Stack Managed Switch	4
5	Cisco	L2 Switch	SG 350-28 Port Gigabyte Managed Switch	4
6	D-Link	L2 Switch	Gigabyte Switch(DGS-1024C 24 Port)	1
7	D-Link	L2 Switch	Managed Switch(DGS-3100-24 Port)	1
8	D-Link	L2 Switch	DES-1228(24 Port)	1
TOATL Switches Including Firewall and Analyzer				14

PoE WiFi Switches					
S.No.	Hostel Name/Building Name	Make	Item Type	Model	Quantity
1	BH-1	CISCO	L2 Switch	Catalyst 2960-X Series 24 PS-L, 4x1G SFP	2
2	BH-2	CISCO	L2 Switch	Catalyst 2960-X Series 24 PS-L, 4x1G SFP	2
3	BH-3	CISCO	L2 Switch	Catalyst 2960-X Series 24 PS-L, 4x1G SFP	2
4	GH-1	CISCO	L2 Switch	Catalyst 2960-X Series 24 PS-L, 4x1G SFP	1
5	GH-2	CISCO	L2 Switch	Catalyst 2960-X Series 24 PS-L, 4x1G SFP	1
			L2 Switch	3120-24 Port-SC (With 6 Fiber Port)	1

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6	GH-3	Dlink	L2 Switch	D-Link DGS-1210-10P 10-Port Gigabit Smart Managed PoE Switch	4
		CISCO	L2 Switch	SG 350-10MP 10 Port Gigabit PoE Switch	
7	CS/IT Building	Dlink	L2 Switch	D-Link DGS-1210-10P 10-Port Gigabit Smart Managed PoE Switch	3
8	Main Building,ME Block	Dlink	L2 Switch	DES-3028P 28Port PoE Switch	4
TOTAL PoE Switches					24

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SERVER AVAILABLE AT AKGEC					
S.No.	MAKE	ITEM TYPE	MODEL	Quantity	Location
1	HP	AD Authentication Server for Wi-Fi Users	ProLiant DL380e Gen8 Rack Server	1	Server Room
2	HP	R & D Server	HP ProLiant ML 350 G6	1	Server Room
3	Dell	NX Client Server	Power-edge R720	1	Tifac-Core
TOTAL SERVER				3	
CLOUD SERVERS					
1	AWS	50 GB	Software Development Centre		
2	AWS	Third Party Server Hosting college ERP	All College All College		
3	IBM	100 GB	All College		
4		Third Party Servering Hosting College Alumni Portal AlmaConnect	All College		

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Total Switches					
S.No.	Hostel Name/Building Name	Make	Item Type	Model	Quantity
1	CS/IT Block	CISCO	L2 Switch	SG 350-28 Port Gigabyte Managed Switch	8
2	Main Building	CISCO	L2 Switch	SG 350-28 Port Gigabyte Managed Switch	5
3	ME Block	CISCO	L2 Switch	SG 350-28 Port Gigabyte Managed Switch	1
4	Open Auditorium Near Canteen Area	CISCO	L2 Switch	SG 350-28 Port Gigabyte Managed Switch	1
5	AWTRC and Civil Project	CISCO	L2 Switch	SG 350-28 Port Gigabyte Managed Switch	2
6	AKGIM	CISCO	L2 Switch	SG 350-28 Port Gigabyte Managed Switch	2
7	Tifac-Core	CISCO	L2 Switch	SG 350-28 Port Gigabyte Managed Switch	1
8	MCA Building	CISCO	L2 Switch	SG 350-28 Port Gigabyte Managed Switch	2
9	BH-1 For LAN Implementation	CISCO	L2 Switch	CBS350 Smart 24-port GE, 4x1G SFP	24
10	BH-1 For LAN Implementation	CISCO	L2 Switch	CBS350 Managed, 8-port SFP	1
11	CS/IT/CIVIL LABS (CS/IT Block)	Dlink	Switch	DGS-1024D Gigabit Switch	32
12	Other Labs and Other Buildings miscellaneous	Dlink	Switch	24 Port Switch 10/100/1000 miscellaneous Switches	22

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WiFi Access Point					
S.No.	Hostel Name / Building Name	Make	Item Type	Model	Quantity
1	BH-1	Cisco	Access Point	AIR-AP1832I-D-K9	36
2	BH-2	Cisco	Access Point	AIR-AP1832I-D-K9	24
3	BH-3	Cisco	Access Point	AIR-AP1832I-D-K9	36
		D-Link	Access Point	DWL-2600AP	12
4	GH-1	Fortinet	Access Point	FAP-221C	8
		Ruckus		ZoneFlex R310	
		D-Link		DWL-2600AP	
5	GH-2	Fortinet	Access Point	FAP-221C	23
		Ruckus		ZoneFlex R310	
		D-Link		DWL-2600AP	
6	GH-3	Cisco	Access Point	AIR-AP1832I-D-K9	40
7	Main Building	Fortinet	Access Point	FAP-221C	6
		Ruckus		ZoneFlex R310	
		D-Link		DWL-2600AP	
8	Back Block	Ruckus	Access Point	ZoneFlex R310	7
10	CS/IT Block	D-Link	Access Point	DWL-2600AP	14
TOTAL WIFI Access Points					206

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UPS DETAILS

S NO.	UPS Purchase YR.	Make & Capacity	UPS SERIAL NO	Battery Info	Battery QTY.	UPS Location
1	2006	APC-3KVA	NS0744004180	12v/18AH	16	Ec PCB lab
2	2006	APC-3KVA	NS0647011487	12v/18AH	16	EC library+office room
3	2006	APC-3KVA	NS0751017166	12v/18AH	16	LT,s room
4	2007	APC-3KVA	NS0551002431	12V/18AH	16	Automation&Robo/Tifac core
5	2011	APC 5 KVA	6Q1143Z00122	12V/42AH	16	Ec DSP lab
6	2012	APC-5KVA	6Q1131Z00065	12V/42AH	16	Tifac (NI-lab) room
7	2011	APC 6 KVA	6S1131Z00013	12V/42AH	16	Bosch Car Service Center
8	2007	APC-6KVA	NS0846007851	12V/42AH	16	EC cad lab
9	2011	APC 6 KVA	6S1316Z00144	12V/65AH	8	EN,Applied office room
10	2011	APC 6 KVA	ES1051002001	12V/42AH	16	Kuka lab room
11	2010	APC 8 KVA	ES1053000037	12V/26AH	32	Old pantry room
12	2009	APC 8 KVA	IS0750002546	12V/26AH	16	ME block room
13	2010	APC 8 KVA	NS0814006431	12V/26AH	32	Library room(me)
14	2011	APC 10 KVA	ES1053002155	12V/26AH	32	CS web-tech lab room(R&D lab)
15	2011	APC 10 KVA	YS0435121912	12V/42AH	32	EC M-tech lab room(Digital lab)
16	2011	APC 10 KVA	IS0839001185	12V/26AH	32	ME block room
17	2021	APC 10 KVA	B22126004653	12V/42AH	16	LT-02
18	2021	APC 10 KVA	B22101007439	12V/42AH	16	LT-02
19	2021	APC 10 KVA	B22020021027	12V/42AH	16	LT,s room
20	2021	APC 10 KVA	B22020021024	12V/42AH	16	LT,s room
21	2021	APC 10 KVA	B22111000809	12V/42AH	16	Back block room(LT,s room)
22	2012	APC 10 KVA	EQ1018001404	12V/26AH	32	Tiface core room
23	2016	APC 10 KVA	B21602000602	12V/42AH	16	Tiface Welding Lab room

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24	2003	APC-20 KVA	GE0244151213/ GE0244151216	12V/42AH	32	MCA room (lab-8)
25	2006	APC-20 KVA	PS0544345813	12V/65AH	32	MCA room (lab-7)
26	2009	APC-20 KVA	PS0839141841	12V/65AH	32	Communication lab balcony
27	2009	APC-20 KVA	PS0839141849	12V/65AH	32	MCA room (lab-6)
28	2013	APC 20 KVA	IS1308002730	12/42AH	32	Siemens lab room
29	2013	APC 20 KVA	IS1304006660	12/42AH	32	Janatics lab room
30	2014	APC 20 KVA	B21436000792	12V/42AH	32	For Exam cell room
31	2013	APC 20 KVA	B21515000153	12V/65AH	32	CS/IT block fifth floor room
32	2016	APC 20 KVA	B21607000019	12V/42AH	32	Tiface Welding Lab room
33	2019	APC 20 KVA	B21814013694	12V/42AH	32	Main Building basement
34	2021	APC 30 KVA	9E2017T12098	12V/65AH	32	AWTRC
35	2006	APC-40 KVA	PS0544342645/ PS1112140506	12V/65AH	64	Main Building Basemenet room
36	2007	APC-40 KVA	PS0910340190	12V/100AH	32	C.S. cell 3rd floor room
37	2014	APC-40 KVA	PS1422131904	12V/100AH	32	C.S. cell 3rd floor room
38	2014	APC-40 KVA	PS1422131910	12V/100AH	32	C.S. cell 3rd floor room
39	2014	APC-40 KVA	PS1417330754	12V/100AH	32	C.S. cell 3rd floor room
40	2009	APC 1 KVA	ES1052008544	12V/65AH	8	back block room
41	2009	APC 1 KVA	JS0849000882	12V/65AH	8	Girls hostel room
42	2009	APC 1 KVA	JS0739014348	12V/65AH	8	New boys hostel room
43	2009	APC 1 KVA	ES0940000342	12V/65AH	8	S.R.boys hostel room
44	2009	APC 1 KVA	JS0751011769	12V/65AH	8	Jr. boys hostel room
45	2013	APC 1 KVA	B21203000032	12V/26AH	8	Main Building room

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Computer Centres:

Computer Centre	ICT facilities
CC-1	60 i5 desktop computers
CC-2	30 i5 desktop computers
CC-3	30 i5 desktop computers

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Smart Classrooms:

Number of classrooms with LCD facilities	87
Number of classrooms with Wi-Fi/LAN facilities	87
Number of smart classrooms	68
Number of classrooms with LMS facilities	NIL
Number of seminar halls with ICT facilities	5

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Seminar Halls:

Seminar Halls	ICT Facilities
Mini Seminar Halls 1 and 2	<ul style="list-style-type: none">• Smartboards with writing and projecting accessories• Short throw projector• I5 computer panel with microphone, speaker, visualizer, keyboard, mouse• Audio System
Main Seminar Hall	<ul style="list-style-type: none">• LCD projectors (2) with two screens (2)• Video conferencing facility• Audio System
CS/IT Block Auditorium	<ul style="list-style-type: none">• LCD projectors (2) with two screens (2)• Video conferencing facility• Audio System
DG Conference Room	<ul style="list-style-type: none">• LCD projectors (2) with two screens (2)• 86" LED Flat Panel• Audio System

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SOFTWARE DETAILS

Sno	Name of Product	No. Of Licenses / Users	Permanent License / Renewable License (with Period)	Name of Lab / Office in which installed
Department of Civil Engineering				
1	General purpose NISA -a finite element analysis software	5	Perpetual soft licence	Departmental PC
2	Renewal of Bentley academic software for 3 years	10	3 Years	Mechanical CAD lab
Department of Electronics and Communication Engineering				
1	CADENCE Virtuoso -Standard Bundle / University Bundle	10	License validity is 3 years	CAD Lab
2	Tanner Tool-Mentor Graphics Higher Education Program (HEP 1)	35	License validity is 3 years	CAD Lab
3	OrCAD University PSpice and PCB Bundle	10	Permanent License	CAD Lab
4	OptiSystem 15 (Optiwave Software)	3	Permanent License	DSP Lab
5	NetSim Software	5	Permanent License	ECD / TI CoE Lab
6	PROFESSIONAL Version Visual TCAD & Genius	01 (Prof.Version)	Permanent License	Virtual Lab
7	VisSim / Comm 8.0 Suite	10	Permanent License	DSP Lab
8	University VIVADO System Edition S, UEF-SDSOC Software Simulation Tool with Zed Board Kit	25 User with 01 Kit	Permanent License	CAD Lab
9	8086 Simulator & Emulator IDE (Microprocessors Simulation Tool)	Unlimited / Multiuser	Permanent License	MP Lab
11	8085 Simulator IDE (Microprocessors Simulation Tool)	Unlimited / Multiuser	Permanent License	MP Lab
12	ANSOFT HFSS Software (Antenna Design & Simulation)	5	Permanent License	ECD Lab / TI CoE Lab
13	a)NI Multisim 12.0 Tool	15	Permanent License	ECD Lab / TI CoE Lab
14	NI Labboard 12.0 [00]	Unlimited / Multiuser	Permanent License	PCB Lab
15	a)MATLAB Software •Simulink		Permanent License	ECD Lab / TI CoE Lab
16	a) Tanner Tool Pro b)XILINX ISE 10.1i With SPARTAN III FPGA Kit	a) 05 User b)Unlimited / Multiuser 01 Kit	a) Floating License with 3 Years validity (Now Expired) b)Permanent License	CAD Lab
Department of Mechanical Engineering				
1	ANSYS	5	Permanent	CAD LAB
2	Creo 2000 (Pro/E)	50	Permanent	CAD LAB
Department of Computer Science and Engineering				
1	Matlab	5	Permanent	CSE Lab -7

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Department of Electrical and Electronics Engineering

1	CADD CENTER SOFTWARE SOLUTION	5		SIMULATION LAB
2	MAT LAB SOFTWARE	5	1091762	SIMULATION LAB
3	DIGSILENT POWER FACTORY	25		SIMULATION LAB
4	P S CADX4(V4 6.3)	10		SIMULATION LAB
5	ORCADE UNIVERSITY PSPICE SOFTWARE	20		SIMULATION LAB
6	MATLAB 2021b	10	41059095	SIMULATION LAB
7	TINA PRO Software V11	1	111802	CONTROL LAB

Department of Applied Science and Humanities

1	Orell Talk Max Version	1 Teacher, 70 Student Consoles, 750 users	Permanent License	Professional Communication Lab
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Department of Information Technology

1	IBM Rational Software Architect (RSA)	30 (Users)	Permanent	Software Engineering Lab
2	IBM Rational Suite	30 (Users)	Permanent	Software Engineering Lab

Central Support Cell

1	Microsoft EduCloud	150	Annual Renewal	Labs and Offices
2	Turnitin Feedback Studio Originality Checking and Feedback	1	Annual Renewal	Students and Faculty
3	Quick Heal Antivirus	270	Renewal every 3 years	College Computers

Library

1	KOHA (LMS)	Multi-user	Renewable License	Central Library
2	DSpace (Institutional Repository)	Multi-user	Installed and support through CSE Department of AKGEC	Central Library
3	Attendy Software For Footfall of Library Users		Installed and support through College ERP	Central Library

Accounts

1	Compupayrollbasic (Payroll Software)	1	Renewable License	
2	CompuTDS (TDS Software)	1	Renewable License	

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