

ESHAN COLLEGE OF ENGINEERING, MATHURA

Approved by All India Council for Technical Education, New Delhi (AICTE) Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh

Establishment of CAD Laboratory

INTRODUCTION

CAD/CAM (computer-aided design and computer-aided manufacturing) refers to computer software that is used to both design and manufacture products. CAD is the use of computer technology for design and design documentation. CAD/CAM applications are used to both design a product and program manufacturing processes, specifically, CNC machining. CAM software uses the models and assemblies created in CAD software to generate tool paths that drive the machines that turn the designs into physical parts. CAD/CAM software is most often used for machining of prototypes and finished parts. In a globally competitive environment, time compression strategies in product development are of critically importance. Certain products have long development cycle times. Examples are aircraft and automobiles. In some of the products like computers, technological obsolescence puts a constraint on the product development time. The drawing and design software represents the most prominent concerns of developers of computer systems, and was the development of several software that fall within the design concept computer (Computer Aided Design), which is referred to as short term CAD. It was this software with two, including directions what general, including what is a specialist in one of the engineering fields such as mechanical or electrical or electronic, construction and architecture, some of which is advanced in the adoption of the principle of geometric modelling. The concept of manufacturing computer includes all the activities involved in the planning and control of production in different factories, such as digital control computer (Computer Numerical Control: CNC) and the leadership of human industrial automation(Industrial Robotics) and planning of production processes (Process Planning) and the overall layout of the plant, including so planning tables productivity and material requirements planning, and production capacity in modern manufacturing technology. Keeping this mind Eshan College of Engineering and Technology has decided to provide and built the necessary infrastructure to give its students a hands on experience on the latest technology of CAD which is currently in demand. It was this motive which gave a reason to establish the specialised laboratory in CAD for Mechanical, civil and electrical students.

ABOUT ADVANCED COMPUTER-AIDED DESIGN AND DRAFTING LABORATORY

Highly advanced software-equipped Computer-aided design and drafting (CAD) Centre. CAD Lab. helps in training the students as per the requirement of the industries. The CAD Lab caters the need to conduct UG and PG laboratory classes for their course work. Students from various Departments do use this facility for their academic and Research work. The CAD lab. has 28 latest computers with various software to facilitate the students for their academic work. Students utilize this laboratory for their research work. The following trainings are provided branch wise in the laboratory as shown below:

Mechanical Engineering: Specialized software for Mechanical Engineering program on which students are being trained

- AutoCAD
- Catia
- Creo

Solid work.

Civil Engineering: Specialized software for Civil Engineering program on which students are being trained.

- AutoCAD
- 3ds Max
- Staad Pro:

To maintain the facilities (Hardware and Software), a dedicated technical person has been hired who is looking after the lab. Most of the software's have been acquired with a good number of user licenses to meet the needs of a large number of students and researchers. The laboratory is kept open from morning till night for the benefit of the users. Internet facility is also available in the laboratory for the better use of the software by the high end users. The software is updated periodically.

Configuration and Specification: The table shows the technical specifications of the laboratory and the configuration of the computers acquired.

Technical Configurations and specifications of the CAD Lab.

Monitor Make	Acer
Monitor Type	TFT
CPU Make	i5
Micro Processor	Intex
RAM	16 GB
SSD	240GB
Keyboard Make	HP
Mouse Make	HP
Graphic Card	4Gb
HDD	1TB
OS	Windows 10 (64)
Antivirus (QHT)	Quick Heal

Photos of Advanced Cad Laboratory







Photos of The Inauguration Ceremony of the Laboratory





Press Coverage

ईशान कॉलेज ऑफ इंजीनियरिंग एंड मैनेजमेंट में कैड केंद्र का शुभारंभ

आगरा। फरह स्थित ईशान कॉलेज ऑफ इंजीनियरिंग एंड मैनेजमेंट में अत्याधुनिक सॉफ्टवेयर से सुसज्जित कंप्यूटर एडिट डिजाइन एंड ड्राफ्टिंग (कैड)



केंद्र का उद्घाटन मंगलवार को सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय (आगरा) के संयुक्त निदेशक टीआर शर्मा ने किया। श्री शर्मा ने बताया कि कैड लैब छात्रों को इंडस्ट्रीज की मांग के अनुसार प्रशिक्षित करने में सहायता करेगी।

संस्था के चेयरमैन सक्षम अग्रवाल ने कहा कि इस कैड लैब की तुलना प्रदेश के सर्वोच्च संस्थानों से की जा सकती है। निदेशक डॉ. पंकज शर्मा और डीन राजीव विश्वकर्मा ने बताया कि मैकेनिकल छात्रों को लैब में प्रशिक्षण दिया जाएगा।

Copies of the Bills

TAX INVOICE



Invoice No.

Terms of Delivery

e-Invoice

IRN

: 13cb2beaa1521b76ebba1046c0169017cc161c7914d5639a-

e434d04b476b2411 Ack No. : 142110764256667

Ack Date : 1-Nov-21

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l	B-3 BLOCK NO.42/2
I	HARI WORLD COMPLEX
1	SANJAY PLACE, AGRA
1	BRANCH :G-107, BLOCK 43
I	SANJAY PLACE, AGRA-282002
į	MOB :-9258033319, 9258033362
İ	TEL:-0562-2528303, 2528903
	GSTIN/UIN: 09AEWPA1632E1ZN
	State Name: Uttar Pradesh, Code: 09
	E-Mail: bmcomputersagra@gmail.com
İ	Buver (Bill to)
1	David (Bill to)

BMC/RI/8752 29-Oct-21
Delivery Note Mode/Terms of Payment

Reference No. & Date. Other References

Buyer's Order No. Dated

Dispatch Doc No. Delivery Note Date

Dispatched through Destination

continued to page number 2

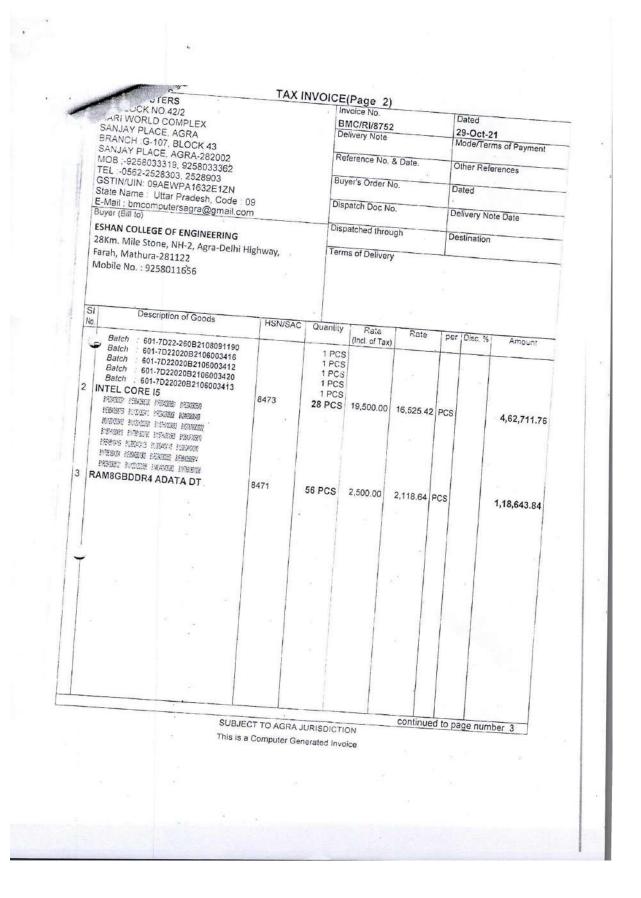
ESHAN COLLEGE OF ENGINEERING

28Km. Mile Stone, NH-2, Agra-Delhi Highway,

Farah, Mathura-281122 Mobile No.: 9258011656

SI No.	Description of Goods	HSN/SAC	Quantity	Rate (Incl. of Tax)	Rate	per	Disc. %	Amount
1	MOTHERBOARD MSI H510M-A-PRO	847330	28 PCS	6,499.99	5,508.47	PCS		1,54,237.16
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	Batch : 601-7D22020B2106003414		1 PCS	1 1				
	Batch : 601-7D22020B2106003411		1 PCS	1 1				
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	Batch : 601-7D22-260B2108091193		1 PCS	1				
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SUBJECT TO AGRA JURISDICTION



TAX INVOICE(Page 3) **OMPUTERS** Dated BLOCK NO.42/2 BMC/RI/8752 29-Oct-21 HARI WORLD COMPLEX . Delivery Note Mode/Terms of Payment SANJAY PLACE, AGRA BRANCH :G-107, BLOCK 43 SANJAY PLACE, AGRA-282002 Reference No. & Date Other References MOB ;-9258033319, 9258033362 TEL:-0562-2528303, 2528903 Buyer's Order No. Dated GSTIN/UIN: 09AEWPA1632E1ZN State Name: Uttar Pradesh, Code: 09 Dispatch Doc No. Delivery Note Date E-Mail: bmcomputersagra@gmail.com Buyer (Bill to) Dispatched through Destination ESHAN COLLEGE OF ENGINEERING 28Km. Mile Stone, NH-2, Agra-Delhi Highway, Terms of Delivery Farah, Mathura-281122 Mobile No.: 9258011656 5 EIB Description of Goods HSN/SAC N S S N R S S Quantity Rate pe: Disc. % Amount No. (Incl. of Tax) 4 HDD 1TB WD DESKTOP 847170 28 PCS 2,950.00 2,500.00 PCS Batch Wcc6y3feszp0 70,000,00 1 PCS Batch WCc6y3sa6yjv 1 PCS 1 PCS Batch Wcc6Y7cv7DHR Batch WCC6Y6DYFYX1 1 PCS 7: Batch WCc6y6DYFtn6 1 PCS Batch WCC6y2AF6FT5 WcC6Y2CXF6Zr 1 PCS 1 PCS Batch Batch WCC6y1ehPnVZ 1 PCS Batch Wcc6Y2CXFd03 1 PCS Batch WCC6y2Cxfr8S 1 PCS Batch WCC6Y7KNZz6j 1 PCS Batch WCC6Y7KNZ2SF 1 PCS 1 PCS Batch WCC6Y3SA6xxv Batch WCC6Y1vtrnuf PCS Batch WCC6Y2cXF2rx PCS Batch Wcc6y7XTKVTP WCC6Y2CXFE3L PCS Batch PCS Batch Wcc6Y2CXF322 1 PCS Batch WcC6Y4ZK3rxY 1 PCS Batch WCC6y4ZK3V2P WCC6Y4ZK307Y 1 PCS Batch PCS Batch Wcc6Y4zK3TSE 1 PCS 1 PCS Batch WCC6Y2CXFsrV WCC6Y1EHpfAj Batch 1 PCS Batch WCC6Y3SA6H2Z 1 PCS 1 PCS Batch WCc6Y3Sa6ESX Batch WCC6Y2FJSSP5 1 PCS Batch WCC6Y7KNZ5V8 1 PCS continued to page number 4 SUBJECT TO AGRA JURISDICTION

TAX INVOICE(Page 4) OMPUTERS Dated BLOCK NO.42/2 BMC/RI/8752 29-Oct-21 HARI WORLD COMPLEX Delivery Note Mode/Terms of Payment SANJAY PLACE, AGRA BRANCH :G-107, BLOCK 43 SANJAY PLACE, AGRA-282002 Reference No. & Date. Other References MOB ;-9258033319, 9258033362 Buyer's Order No. TEL:-0562-2528303, 2528903 Dated GSTIN/UIN: 09AEWPA1632E1ZN State Name: Uttar Pradesh, Code: 09 Dispatch Doc No. Delivery Note Date E-Mail: bmcomputersagra@gmail.com Buyer (Bill to) Dispatched through Destination ESHAN COLLEGE OF ENGINEERING 28Km. Mile Stone, NH-2, Agra-Delhi Highway, Terms of Delivery Farah, Mathura-281122 Mobile No.: 9258011656 Description of Goods HSN/SAC Quantity Rate Rate Disc. % Amount No. (Incl. of Tax) SSD GIGABYTE 240GB 8471 2,450.00 28 PCS 2,076.27 PCS 58.135.56 Batch SN212308916891 1 PCS Batch Sn212308916893 PCS Batch Sn212308916895 1 PCS Batch Sn212308916897 1 PCS Batch Sn212308916899 PCS Batch Sn212308916892 1 PCS 1 PCS Batch Sn212308916894 Batch \$n212308916896 Batch SN212308916898 1 PCS 1 PCS Batch Sn212308916900 Batch SN212308916911 Batch Sn212308916913 1 PCS 1 PCS Batch SN212308916915 Batch SN212308916917 1 PCS Batch SN212308916919 1 PCS Batch SN212308916912 1 PCS Batch SN212308916914 1 PCS 1 PCS Batch SN212308916916 Batch Sn212308916918 1 PCS Batch SN212308916920 1 PCS 1 PCS Batch SN212308916901 Batch SN212308916902 1 PCS Batch Sn212308916903 1 PCS Batch SN212308916904 1 PCS Batch SN212308916905 1 PCS Batch SN212308916908 1 PCS 1 PCS Batch SN212308916909 Batch : SN212308916910 1 PCS continued to page number 5

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TAX INVOICE(Page 5) Dated BLOCK NO.42/2 BMC/RI/8752 29-Oct-21 HARI WORLD COMPLEX Mode/Terms of Payment Delivery Note SANJAY PLACE, AGRA BRANCH: G-107, BLOCK 43 Reference No. & Date Other References SANJAY PLACE, AGRA-282002 MOB ;-9258033319, 9258033362 Buyer's Order No. Dated TEL:-0562-2528303, 2528903 GSTIN/UIN: 09AEWPA1632E1ZN Dispatch Doc No. State Name: Uttar Pradesh, Code: 09 Delivery Note Date E-Mail ; bmcomputersagra@gmail.com Buyer (Bill to) Dispatched through Destination **ESHAN COLLEGE OF ENGINEERING** 28Km. Mile Stone, NH-2, Agra-Delhi Highway, Terms of Delivery Farah, Mathura-281122 Mobile No.: 9258011656 SI Description of Goods HSN/SAC Quantity Rate Disc. % per Amount No. (Incl. of Tax) 6 RAPHICS CARD ZOTAC 4GB 8,800.00 28 PCS 7,457.63 PCS 2,08,813.64 - Batch N212300020952 1 PCS Batch N212300020955 Batch 1 PCS N212300020959 Batch N212300020960 1 PCS Batch N212300020951 1 PCS Batch N212300020958 PCS Batch 1 PCS N212300020954 N213700037550 1 PCS Batch N213700037541 Batch N213700037549 1 PCS Batch N213700037548 1 PCS Batch N213700037547 1 PCS 1 PCS 1 PCS Batch N213700037546 Batch N213700037544 Batch N213700037542 1 PCS 1 PCS 1 PCS Batch N213700037553 Batch N213700037554 Batch N213700037556 1 PCS Batch N213700037557 1 PCS Balch N213700037558 1 PCS 1 PCS Batch N213700037559 Batch N213700037560 Batch N213700037551 1 PCS 1 PCS Batch N213700037552 Balch N213700037543 PCS Batch N213700037545 1 PCS 1 PCS Batch N204900041932 Batch N212300020957 1 PCS 85285200 8,500.00 7,203.39 PCS TFT ACER K202HQL 19.5" 3 PCS 21,610.17 MMT0CSS015108191DE85AG MMT0CSS0151081922985AG MMT0CSS0151081922785AG

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TAX INVOICE(Page 6) ERS Dated JCK NO 42/2 BMC/RI/8752 29-Oct-21 WORLD COMPLEX Delivery Note Mode/Terms of Payment SANJAY PLACE, AGRA BRANCH :G-107, BLOCK 43 SANJAY PLACE, AGRA-282002 Reference No. & Date. Other References MOB ;-9258033319, 9258033362 TEL:-0562-2528303, 2528903 Buyer's Order No. Dated GSTIN/UIN: 09AEWPA1632E1ZN State Name: Uttar Pradesh, Code: 09 Dispatch Doc No. Delivery Note Date E-Mail: bmcomputersagra@gmail.com Buyer (Bill to) Dispatched through Destination ESHAN COLLEGE OF ENGINEERING 28Km. Mile Stone, NH-2, Agra-Delhi Highway, Terms of Delivery Farah, Mathura-281122 Mobile No.: 9258011656 Description of Goods HSN/SAC Rate Rate per Disc. % No. (Incl. of Tax) 8. JFT ACER V206HQL 19.5" 85285200 25 PCS 8,500.00 7,203.39 PCS 1,80,084.75 MMLXKSS0091171BF374260 MMLY6SS01012615B9185C8 MMLY6SS0101281764585C8 MMLY6SS01281773585C8 MMLY6SS01012661649485C8 MMLY6SS0101261645F85C8 MMLY6SS01012615B9185C8 MMLY6SS0101261649885C8 MMLY6SS0101261646185C8 MMLY6SS010126163C985C8 MMLY6SS010126164B185C8 MMLY6SS0101261648585C8 MMLY6SS0101261649385C8 MMLY6SS010126164B185C8 MMLY6SS0101261647885C8 MMLY6SS0101261646285C8 MMLY6SS0101261646085C8 MMLY6SS0101261648185C8 MMLY6SS010126164B285C8 MMLY6SS0101281747885C8 MMLY6SS0101281773285C8 MMLY6SS0101281773385C8 MMLY6SS0101281773685C8 MMLXKSS00091171BF374260 MMLY6SS0101261649585C8 9 CABINET ATX 847130 28 PCS 1,350.00 1,144.07 PCS 32,033.96 INTEL continued to page number SUBJECT TO AGRA JURISDICTION

TAX INVOICE(Page 7) OTERS Dated OCK NO.42/2 BMC/RI/8752 Delivery Note ARI WORLD COMPLEX 29-Oct-21 SANJAY PLACE, AGRA BRANCH :G-107, BLOCK 43° SANJAY PLACE, AGRA-282002 MOB :-9258033319, 9258033362 Mode/Terms of Payment Reference No. & Date. Other References TEL:-0562-2528303, 2528903 Buyer's Order No. Dated GSTIN/UIN: 09AEWPA1632E1ZN State Name: Uttar Pradesh, Code: 09 Dispatch Doc No. E-Mail: bmcomputersagra@gmail.com Delivery Note Date Buyer (Bill to) Dispatched through ESHAN COLLEGE OF ENGINEERING Destination 28Km. Mile Stone, NH-2, Agra-Delhi Highway, Terms of Delivery Farah, Mathura-281122 Mobile No.: 9258011656 SI Description of Goods HSN/SAC Quantity Rate No. Rate per Disc. % Amount (Incl. of Tax) 10 KB MOUSE KIT 847130 28 PCS TO HP 750.00 635.59 PCS 17,796.52 7ch1342dxf,7ch1342dxq 7ch1342dxp ,7ch1342f09 7ch1342dxb .7ch1342f06 7ch1342f07, 7ch1342f0m 7ch1342f0b ,.7ch1342f08 7ch1342f0s ,7ch1342f19 7ch1342f0n ,7ch1342dx8 7ch1342dxh ,7ch1342dxm 7ch1342dxr, 7ch1342dxg 7ch1342dxv, 7ch1342dxt 7ch1342dxw, 7ch1342f05 7ch1342f0d , 7ch1342dxs 7ch1342dxd, 7ch1342dxj 7ch1342dxk, 7ch1342dxn 13,24,067.36 IGST 2,38,332.13 continued to page number 8 SUBJECT TO AGRA JURISDICTION This is a Computer Generated Invoice

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