

The ICFAI University, Dehradun **ICFAI** UNIVERSITY

PURCHASE ORDER

Date: 16/12/2016

To,
NEX Robotics Pvt. Ltd.
Unit No. 13, Building No. 2 (A3), Sector 1,
Millennium Business Park, Mahape,
Navi Mumbai 400 710, Maharashtra, INDIA

Sub - Purchase order for E Yantra lab setup

Respected Sir/madam,
We are pleased to issue purchase order as per your quotation no. NRPL/121.772 dated 14th December 2016. We request you to provide the equipment at the earliest.

Sr No.	Equipment	Quantity	Original Unit Price	Discounted Unit Price	Amount	Total Discount
1	FireBird V 2560	3	27000	17999	53997	27000
2	Spark V Robot	8	4999	4499	35992	4000
3	Fire Bird V P89V51RD2 adapter card	3	3937.5	3937.5	11813	0
4	Fire Bird V LPC2148 adapter card	5	3937.5	3299	16495	3192.5
5	Zigbee Modules 100m range	10	1950.75	1499	14990	4517.5
6	Zigbee Modules Adapter	5	2812.5	2099	10495	3567.5
7	Metal-gear Servo Motors	10	1138	990	9900	1480
8	Servo Motor Based Gripper kit for the Fire Bird V robot	2	2800	2800	5600	0
9	Sharp GP2Y0A21YK0F infrared range sensor (10cm to 80cm)	10	1664	749	7490	9150
10	Shipping charges (by Air)		10000	10000	10000	
Grand Total					176771.5	52918.5

- Delivery Period : 3 weeks
- Warranty : 06 months warranty against any manufacturing defects.
- Payment terms: 100% advance.
- Payment will be made by Net banking. If it is to be made by cheque / DD, then ensure that cheque is sent by Blue dart / Aramex / Speed Post only.
- Robots are covered extensively in the documentation and are self explanatory in nature. No commissioning and demonstration will be carried out at the destination.


Authorized Signatory
Registrar
ICFAI University
Dehradun

NEX Robotics Pvt. Ltd.
 Unit No.13, Building no.2 (A3), sector 1,
 Millennium Business Park, Mahape,
 New Mumbai-400 710
 MH, IND. +91 9833553020, +91-022-27782445
 e-mail: info@nex-robotics.com
 web: <http://www.nex-robotics.com>




Billing Address	Shipping Address	Proforma Invoice
To, The Registrar The ICFAI University, Dehradun Selaqui, Central Hope Town, Rajawala Road, Dehradun, Uttarakhand 248197	To, The Registrar The ICFAI University, Dehradun Selaqui, Central Hope Town, Rajawala Road, Dehradun, Uttarakhand 248197	
		PI No: 1716121401
		Date: 14/12/2016

Reference: As Per Our Quotation

Sr. No.	Qty.	Product	CST (%)	Unit Price (Rs.)	Total Price (Rs.)
1	3	FireBird V 2560	6	16980.19	50940.57
2	8	Spark V Robot	6	4244.34	33954.72
3	3	Fire Bird V P89V51RD2 adapter card	6	3714.62	11143.87
4	5	Fire Bird V LPC2148 adapter card	6	3112.26	15561.32
5	10	Zigbee Modules 100m range	6	1414.15	14141.51
6	5	Zigbee Modules Adapter	6	1980.19	9900.94
7	10	Metal-gear Servo Motors	13.5	872.25	8722.47
8	2	Servo Motor Based Gripper kit for the Fire Bird V robot	13.5	2466.96	4933.92
9	10	Sharp GP2Y0A21YK0F infrared range sensor (10cm to 80cm)	6	706.6	7066.04
Total Before CST					Rs.1,56,365.36
(Rs.1,42,708.97) CST @ 6 %					Rs. 8,562.54
(Rs.13,656.39) CST @ 13.5%					Rs. 1,843.61
Shipping & Handling Charges					Rs. 10,000.00
Grand Total					Rs.1,76,771.51
Rounding(-)					Rs. 0.01
Grand Total					Rs.1,76,771.50

NOTE: Octroi / Entry Tax If Applicable, Will Be Paid By Consignee.

By signing this bill you are agreeing to 'Terms of Services' mentioned on
<http://www.nex-robotics.com/terms-of-service/terms-of-service.html>

Receiver's SIGN & STAMP	<p>"I/We hereby certify that my/our registration certificate under the Maharashtra Value Added Tax Act, 2002 is in force on the date on which the sale of the goods specified in this tax invoice is made by me/us and that the transaction of sale covered by this tax invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filling of return and the due tax, If any payable on the sale has been paid or shall be paid."</p> <p>PAN: AACCN4265B</p> <p>VAT TIN: 27490644098V w.e.f. 18th February 2008</p> <p>CST TIN: 27490644098C w.e.f. 18th February 2008</p>	<p>For NEX Robotics Pvt Ltd.</p>  <p>AUTHORISED SIGNATORY</p>
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Banker Details

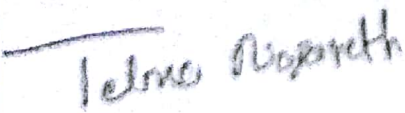
Bank: HDFC Bank
Name of the A/C: NEX Robotics Pvt. Ltd.
Current Acct no. : 0239 202 0000409
HDFC Bank IFSC Code: HDFC0000239
HDFC Bank MICR Code: 400240039

Bank Address:
HDFC Bank
Prudential Building Ground Floor,
Hiranandani Business park, Powai,
Mumbai 400076, Maharashtra, INDIA

EdGate

TECHNOLOGIES

68, 15th Cross, 1st Block, R. T. Nagar, Bangalore - 32
 Ph: +91-80-23535125, Fax: +91-80-23535125

PROFORMA INVOICE		TIN - 29441126522		
The Registrar ICFAI University Dehradun India		PI Number :PI1019		
		Date : 30.11.2016		
		PO No: ICFAI/TICL		
		Date : 29.11.2016		
Sl. No.	Description	Qty. Nos.	Rate In Rs.	Amount In Rs.
1	Establishment of Texas Instruments TI Center of Innovation Lab under TI University Program	1	2,50,000.00	2,50,000.00
A	ASLK PRO	4		
B	PMLK	2		
C	CC110L Booster Pack	4		
D	SimpleLink Wi-Fi CC3100 BoosterPack	4		
E	MSP 430 Launch Pad	7		
F	TIVA Launch Pad	10		
G	MSP430F5529 USB LaunchPad Evaluation Kit	3		
H	MSP430F5969 USB LaunchPad Evaluation Kit	3		
			Sub Total	2,50,000.00
			CST@5.5%	13750.00
			Total	2,63,750.00
			Grand Total	2,63,750.00
Value in Words Rupees: Two Lakhs Sixty Three Thousand Seven Hundred Fifty only.				
For Ed Gate Technologies Pvt Ltd		Bank Account Name: EdGate Technologies Pvt Ltd		
 Authorised Signatory		Bank Account number: 0540020100000000		
		Bank name: The Jammu & Kashmir Bank Limited		
		Branch name: Indira Nagar, Bangalore		
		IFSC Code : JAKANNBANG		
		Currency : Indian Rupee		
		Address: 4TH EDPICE, CMH ROAD, INDIRA NAGAR, BANGALORE: 560 038		
**Proforma Invoice is for your reference only. Invoice numbers may vary in final copy.				



AC PAYEE ONLY
Superna

Monthly Holiday on **SUNDAY**
14 | 12 | 20 | 16

Valid for 3 months only

Or *Benefit*
अथवा *लाभ*

Superna Robotics Pvt Ltd - 1

₹ *Six Thousand Seven Hundred*

₹ 17672/-

Security on only

AC/NO
02252000003034

Brn: 0225 Pdt: 256
CA-TRADE

Payable at all branches of HDFC BANK LTD

For THE ICFAI UNIVERSITY IMPREST ACCOUNT

James

[Signature]
Authorised Signatories
Please Sign Above/अथवा ऊपर पर हस्ताक्षर करें

98 294 248 2400021 0 2934 29

The ICFAI University, Dehradun

Faculty of Science & Technology

Ref No.:

Dated 4/Nov/2016

Subject : PROPOSAL FOR ESTABLISHMENT OF
TEXAS INSTRUMENT INNOVATION CENTRE/CENTRE OF EXCELLENCE

It is proposed to establish "TEXAS INSTRUMENT INNOVATION CENTER" under Texas Instrument (TI) University Program at ICFAI University, Dehradun.

About TI (Texas Instrument)

Texas Instruments Inc. (TI) is an American technology company that designs and manufactures semiconductors. TI is one of the top ten semiconductor companies worldwide, based on sales volume.

The Texas Instrument University Program is the intersection between TI technology, educators and the engineers of tomorrow. Its advanced analog and embedded processing technologies fuel the passions of students and educators in university labs worldwide.

Under TI Collaboration, following supports will be provided by TI to IUD:

1. Lab Setup (Hardware & Curriculum)
2. Faculty Development Program
3. Workshop/Events
4. Training Programs
5. AMC for one year

** The set up and TI Innovation Center is established under subsidised/discounted price. (Annexure B)

Why Texas Instrument (TI)

The Texas Instrument is known for Defence Electronics, Customer Electronics and various high definition electronics research in Global Knowledge Economy. The TI University program offers discounted tools, lab donations and teaching material so students can learn TI Technology in class room and lab.

** From teaching material to design projects, TI advanced analog and embedded processing technologies fuel the passion of students and educators in university labs worldwide. (Annexure D)

** TI provides support to University for modern curriculum development and research. TI is committed to innovation through the funding of pioneering new research engagements with Universities. (Annexure)

The objective of Texas Instrument Innovation Centre:

- Industry ready enginners.
- Structures Industry Specific training modules.
- Enhance "Research" & "Learning" initiatives inside classroom and among students.
- Trough Texas Instrument University Program students may access to the largest & most advanced analog and embedded processing portfolio.
- Various Student Certification Programs for the enhancement of employability.
- Enhance knowledge domain of Faculties in the area of integrated enggineering.

Benefits to University:

- 1st Centre of excellence in Uttarakhand.
- There are only 16 TI Innovation Centre (Centre of Excellence) and 15 MoUs in enitre India, mostly of them are in IITs or NITs. (Annexure A)
- TI Branding for labs will provide a high-define state of art for our labs.
- University will connect to TI's design contest, which is beneficiary for our students.
- Extensive traing program with live projects.
- Texas Instrument hallmark can be used for University branding, promotions and ranking.

Benefits for Students of IUD:

- TI program is for Students of B.Tech(EC/CSE/ME), M.Tech and Ph.D.
- TI Innovation Challenge Design Contects for students to enhance Engineering Intelligence among Students.
- Provides structured industry specific knowledge to increse emplobility.
- TI helps to student community for more research and learning initiatives.

How to establissh TI Innovation Lab in IDU?

In India TI Labs are established by M/S EdGate Technologies. The EdGate Technology is authourised parter of Texas Instrument for MoU and establishment of different labs in entire India.

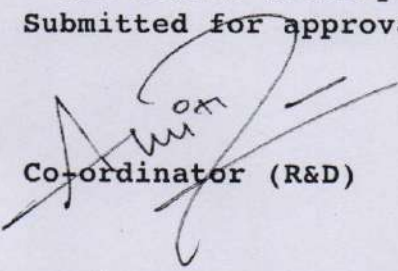
The equipments provided by TI to IUD and Cost of LAB:

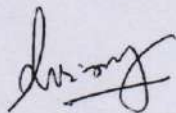
Sr. No.	Item	Quantity	Approximate Cost
1	Cost of TI Innovation Center Lab: Below items will be delivered	Below Package	2.50 LAKHS (One Time Payment)
2. Analog Lab: A dedicated Lab focus on Teaching Analog signals			
A	ASLK PRO	4	
Power Lab: A dedicated Lab focus on Teaching Power			
A	PMLK Kit	2	
3. Analog Attach MCU Labs (ARM): A secondary Element that attached to Micro controller Lab			
A	CC110L Booster pack	4	
B	TIVA Launchpad	10	
4. Connectivity Attach Lab(Ultra Low Power Lab /Internet of Things Lab(IOT): A secondary Element that attached to Micro controller Lab Or stand alone solution focusing on connectivity .			
B	MSP 430 Launch Pad	5	
C	SimpleLink Wi-Fi CC3100 BoosterPack	4	
Terms and Conditions : 1.Payment:100% in advance 2.Warranty: 1 Year 3.Validity :CoE Agreement is valid for one year only for services and support. However we can use TI associations as one of the "Centre of Excellence". 4.Taxes: VAT@5.5%			


* The detail breakup is enclosed at Annexure-B.

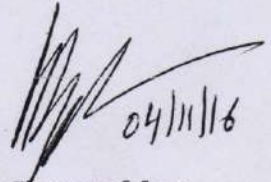
* The detail break proposal is enclosed at Annexure-C.

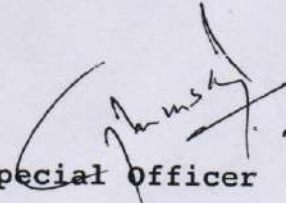
Submitted for approval please.


Co-ordinator (R&D)


Ass. Dean, FST


Registrar


Vice Chancellor


Special Officer

The ICFAI University, Dehradun
(ICFAI Tech School)

Date: 03/03/2016

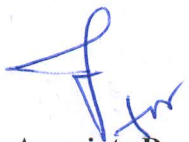
Approval Note


EQUIPMENTS/INSTRUMENTS FOR ELECTRICAL LAB

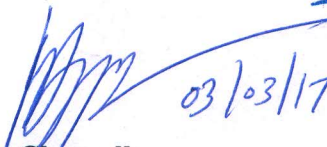
With reference to the new syllabus of B.Tech program, existing electrical lab is required to be restructured as per the course content of 'Fundamental electrical engineering'. Therefore four new experiments have been incorporated to ~~reshuffle~~ the existing electrical lab. To perform the new experiments some instrument/Equipment set-up are required to be purchased. The comparative list of quotations regarding instrument/Equipment set-up from three different dealers /companies are enclosed. As per the comparative list of quotation, Vijayanta Technologies Pvt LTD(Formerly Vijai Electronics) is recommended from where above instrument/Equipment set-up can be purchased. Total price of above instrument/Equipment set-up is 68020/- .

Therefore, a sum of Rs 68020/- may kindly be sanctioned towards the same.

Enclosures: Comparative Statement & Quotations


Associate Dean
(ITS, IUD)


Registrar
(IUD)

 03/03/17
Vice Chancellor
(IUD)

Comparative statement of cost for the Equipments from three different dealers /companies:

S.No	Equipments for the experiments	Companies		
		Premier Trading Corporation, Meerut and their price (in Rs.)	S.K. Scientific Instrument Pvt.LTD., Haridwar and their price (in Rs.)	Vijayanta Technologies Pvt LTD., Roorkee (Formerly Vijai Electronics) and their price (in Rs.)
1.	<i>Measurement of Power and Power factor in Single Phase AC circuit</i> (i) Digital Wattmeter 200 Watt – 01 (ii) Digital Ammeter 2 Amp – 01 (iii) Digital Voltmeter 300 V – 01 (iv) Single Phase Variac 2 Amp – 01 (v) Inductive Coil – 01 (vi) Capacitor – 01 (vii) Rheostat 1.4A, 260 Ohms – 01	11950/-	17000/-	11,800/-
2.	<i>Measurement of impedance of RL, RC, RLC and study of Resonance Phenomenon</i> (i). The output of six resistances (from 50Ohm to 200 Ohm) & six capacitors (from 0.1uF to 0.6uF) is available across sockets and can be selected by using band switches. (ii). Two inductance of 30mH mounted inside the cabinet & connection brought out on sockets. (iii). Two AC moving coil meters to measure corresponding voltage & current. (iv). Built in Sine wave oscillator of 100Hz to 100kHz.	6350/-	17000/-	5,950/-
3.	<i>Performing load test on Single Phase Transformer</i> (i). MI Voltmeter 96 x 96 mm Sq 0-300V - 02 . (ii). MI Ammeter 96 x 96 mm Sq 0-10A - 02 . (iii). Single Phase Single Element Dynamo type Wattmeter -01 (iv). Single Phase Variac Air Cooled 0-270V- 01 . (v). Suitable Electrical Load	26450/-	29000/-	26,050/-
4.	<i>Measurement of Power in three phase AC circuit by 2 wattmeter method.</i> (i). MI Voltmeter 96 x 96 mm Sq 0-500V -01. (ii). MI Ammeter 96 x 96 mm Sq 0-10A -01 (iii). Single Phase Single Element Dynamo type Wattmeter -02 (iv). Suitable Electrical Load Star, Delta Type	24550/-	29000/-	24,220/-
	Total Price	69300/-	92000/-	68020/-

QUOTATION FOR ELECTRICAL ENGINEERING LAB

ITEM NO. 1

MEASUREMENT OF POWER AND POWER FACTOR IN A SINGLE PHASE AC SERIES INDUCTIVE CIRCUIT AND STUDY IMPROVEMENT OF POWER FACTOR USING CAPACITOR

Complete experimental setup consisting of :-

- (i) Digital Wattmeter 200 Watt – 01
- (ii) Digital Ammeter 2 Amp – 01
- (iii) Digital Voltmeter 300 V – 01
- (iv) Single Phase Variac 2 Amp – 01
- (v) Inductive Coil – 01
- (vi) Capacitor – 01
- (vii) Rheostat 1.4A, 260 Ohms – 01

Price Rs. 11,950.00

ITEM NO. 2

STUDY OF PHENOMENON OF RESONANCE IN RLC SERIES CIRCUIT AND OBTAIN RESONANT FREQUENCY

Frequency response of series and parallel RLC circuits with one AF Oscillator (complete in all respect except CRO)

Price Rs. 6,350.00

ITEM NO. 3

DETERMINATION OF (i) VOLTAGE RATIO (II) POLARITY AND (III) EFFICIENCY BY LOAD TEST OF A SINGLE PHASE TRANSFORMER

Single Phase Transformer 1 KVA 230/230V with Tappings at 50% & 86.6% Naturally Air Cooled Copper Double wound, Shell type. The transformer will be housed in MS sheet box enclosure with rubber footings. All the terminals of primary & secondary shall be brought over to bakelite sheet fitted on top of the box through insulated terminals. 'RAJAT' make.

CONTROL PANEL FOR EXPERIMENT

Fitted on ENGRAVED BAKELITE sheet enclosed in almirah type ms box suitable for table mounting.

- | | | |
|----|---|-------|
| 1. | MI Voltmeter 96 x 96 mm Sq 0-300V 'Rishabh' Make | 2 No. |
| 2. | MI Ammeter 96 x 96 mm Sq 0-10A 'Rishabh' Make | 2 No. |
| 3. | Single Phase Single Element Dynamo type Wattmeter | 1 No. |
| 4. | Single Phase Variac Air Cooled 0-270V | 1 No. |
| 5. | Suitable Electrical Load | |

Price of complete setup with panel type measuring instruments

Rs 26,450.00

ITEM NO. 4

MEASUREMENT OF POWER IN 3-PHASE CIRCUIT BY TWO WATTMETER METHOD AND DETERMINATION OF ITS POWER FACTOR FOR STAR AS WELL AS DELTA CONNECTED LOAD

APPARATUS REQUIRED

- | | | |
|----|---|-------|
| 1. | MI Voltmeter 96 x 96 mm Sq 0-500V 'Rishabh' Make | 1 No. |
| 2. | MI Ammeter 96 x 96 mm Sq 0-10A 'Rishabh' Make | 1 No. |
| 3. | Single Phase Single Element Dynamo type Wattmeter | 2 No. |
| 4. | Suitable Electrical Load Star, Delta Type | 1 No. |

Price of complete setup with panel type measuring instruments

Rs. 24,550.00

S.K. Scientific Instruments Pvt. Ltd.

An ISO 9001:2008 & D&B Certified Company

Manufacturer & Supplier of Scientific Instruments & Chemicals

A-55, Gandhi Nagar, Moradabad-244001

Ph / Fax (0591)-2492828, 2491433, 6454175 Mob No.—9411811488

E mail : skscientific@gmail.com

Branch Office : 1. Plot no. 25, Sector 8B, IIE, SIDCUL, Haridwar (U.K.) 2. Baddi, Himachal Pradesh.

QUOTATION

To Kind Attn. Mr. Farid Ahmad Lab Instructor ICFAI University Dehradun	QT NO. 478 QT DATE 21/07/2016 ENQ. NO. ENQ. DATE
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SNO.	ITEM	DESCRIPTION	MAKE	NET RATE	UNIT
1	Measurement of Power and Power factor in Single Phase AC circuit		MTECH (an iso certified co.)		
	<i>By Using Electronics Trainer.</i>			13000	Each
	An Electronics unit with in built AC variable , AC Ammeter, Voltmeter AC, Patch Cords, Power Factor Meter, Different values of RLC. OR				
	<i>By Using Electrical Panel Trainer.</i>			17000	Each
	An Electrical Panel with mounted Circuit , AC Ammeter, Voltmeter, Power Factor Meter.AC Variac 2 A.				
	<i>Optional Accessories:- Load Bank For Resistive. Inductive , Capacitive Load.</i>			39000	Each
2	Measurement of impedance of RL, RC , RLC and study of Resonance Phenomenon		MTECH (an iso certified co.)	17000	Each
	An Electrical Panel with mounted Circuit , AC Ammeter, Voltmeter, Power Factor Meter. AC variac 2 A.				
	<i>Optional Accessories:- Load Bank For Resistive. Inductive , Capacitive Load.</i>			39000	Each
3	Performing load test on Single Phase Transformer		MTECH (an iso certified co.)	29000	Each
	An Electrical Panel with mounted circuit AC Ammeter, Voltmeter for different rating, Single Phase Transformer 1 KVA with Primary & Secondary Turns. AC				
	<i>Load Bank for Transformer.</i>			17500	Each
4	Measurement of Power in three phase AC circuit by 2 wattmeter method		MTECH (an iso certified co.)	29000	Each
	An Electrical Panel with AC Three Phase Ammeter, Voltmeter, Wattmeter, Patch, Circuit.				
	<i>Optional Accessories:- AC Three Phase Variac 8 A.</i>			24,600.00	Each
	<i>Resistive Load Bank.</i>			17,600.00	Each

Note:

- 1 CST extra 5%
- 2 Rates F.O.R. college
- 3 Please note that we can also arrange for installation & repairing of all the others instruments in your lab irrespective of any make
- 4 If desired we can send you various installation certificate of our instruments in various reputed colleges
- 5 Our instruments are much more reliable in terms of quality than any other established or big brand as we provide in house after

For S. K. Scientific Instruments (P) Ltd.

Authorized Signatory

TIN : 09378300046
S.S.I. No. : 090071104247
E-mail : rajatpremier@ymail.com, Website : www.rajatpremier.com

Phone : 0121-2645457(O)
0121-2654068(W)
Mob.: 09837038997

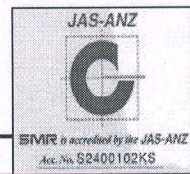


PREMIER TRADING CORPORATION

An ISO 9001-2008 Certified Company

ENGINEERS, MANUFACTURERS : 'RAJAT' AC/DC M.G. SETS, MOTOR, GENERATORS TRAINER KITS
& ENGINEERING LAB EQUIPMENT FOR I.T.Is, POLYTECHNICS & ENGG. INSTITUTIONS

212/1, MANSAROVER, CIVIL LINES, MEERUT



Our Ref. *PTC/2016-17/0274*

Dated : 23 Jun 2016

To,

The Director
ICFAI University
Rajwala Road, Central Hopetown,
Selaqui,
DEHRADUN – 248 197 (U.K.)

Sub : Submission of Quotation

Dear Sir,

1. Thanks for your e-mail enquiry; we are pleased to furnish our minimum rates for the items required, as per conditions given below. Hoping you will find our quotations competitive and favour us with your valued supply order. If there is anything, which needs clarification, please feel free to contact us and we shall promptly attend to the same.

QUOTATION FOR:-

BASIC ELECTRICAL ENGG. LAB

2. **TERMS & CONDITIONS:-**

- (i) The Prices are Ex-Works.
- (ii) Educational Discount : Negotiable at the time of finalization of quotation/order.
- (iii) CST extra @ 5% or as applicable at time of supply.
- (iv) Payment : 50% advance & balance on delivery.
- (v) Delivery : 4/6 weeks after the receipt of confirmed purchase order.
- (vi) Validity : Our quotations are valid upto three months from the date of quotation.
- (vii) Inspection : Pre-despatch inspection of goods to be carried out by technical staff at our works.
- (viii) Installation : Internal wiring/civil works, etc. to be done by institute.
- (ix) Warranty: One Year against any manufacturing defects from the date of supply.

Thanking you,

Yours faithfully
For PREMIER TRADING CORPN.


(Rajat Garg)

Authorised Signatory

**Manufacturers & Exporters of :**
Scientific & Electronics, Electrical Labs Instruments
for Research, Industry & EducationDr. Baldev Singh Marg, 28/147, Civil Lines,
ROORKEE - 247667 (Uttarakhand), India**Authorised Distributors :**FLUKE Technologies Ltd. U.S.A.
Nvis Technologies (P) Ltd. (Indore)
ScienTECH Technologies (P) Ltd. (Indore)Phone : 01332-272509, 276608 | Mob. : 7579200827
Email : vijaielectronics@ymail.com, vijai@vijayanta.com
: sales@vijayanta.com
Website : www.vijayanta.comNo. : VTPL Q-5/ 154 /2016-17
Dated: 24th , December, 2016Mr. Virendra Kumar
Assistant Professor
Electronics & Communication Deptt.
FST, The ICAI University,
Rajawala Road, Central hopetown
Selaqui,
Dehradun -248197
Mob. : 8899089149, Email: virendra.kumar@iudehradun.edu.in

Dear Sir,

Sub. : Revised Quotation

As per your email enquiry on 05.12.2016, We are pleased to quote our rates for under:

Your S. NO.	DESCRIPTION	Model	Qty.	Unit Rates Rs. P.
1.	MEASUREMENT OF POWER IN SINGLE PHASE AC CIRCUIT EXPERIMENTAL SETUP. Features: <ul style="list-style-type: none"> Complete Circuit diagram engraved on 6mm thick Bakelite sheet and housed in M.S Sheet Cabinet of S.W.G 22 suitably powder coated having Dimension 36x24x8 Inch Facilitates easy and safe connections by student with 4mm banana patch cords and banana terminal arrangement for high voltage circuits. Complete illustrated manual covering brief theory of equipment along with technical details and experimental procedures, Connection diagrams will be supplied with experimental set up. Technical Specification: <ul style="list-style-type: none"> Three No of Moving Iron Voltmeter of Range 30V/300V AC of size 96*96mm provided with Input Terminals Three No of Moving Iron Ammeter of Range 5/10 A AC of size 96*96mm provided with Input Terminals. One No of Miniature Circuit Breaker of Range 16Amps (MCB/DP) Provided on the Input Side. Variac 4 Amps Single Phase Inbuilt Suitable Resistive, Capacitive & Inductive Load Power Requirement : Single Phase 230V AC 	VE-PML01	01	11,800.00





Authorised Distributors :

FLUKE Technologies Ltd. U.S.A.
Nvis Technologies (P) Ltd. (Indore)
ScientECH Technologies (P) Ltd. (Indore)

Phone : 01332-272509, 276608 | Mob. : 7579200827
Email : vijaielectronics@ymail.com, vijai@vijayanta.com
: sales@vijayanta.com
Website : www.vijayanta.com

: 2 :

Your S. NO.	DESCRIPTION	Model	Qty.	Unit Rates Rs. P.
2.	<p>LCR Resonance Apparatus With builtin Sine wave Oscillator</p> <p>LCR Resonance Circuit Appartus has been designed to study the phenomenon of Resonance in LCR Series & Parallel circuits.</p> <p>The instrument comprises of the following built in parts :</p> <ol style="list-style-type: none"> 1. The output of six resistances (from 50Ohm to 200 Ohm) & six capacitors (from 0.1uF to 0.6uF) is available across sockets and can be selected by using band switches. 2. Two inductance of 30mH mounted inside the cabinet & connection brought out on sockets. 3. Two AC moving coil meters to measure corresponding voltage & current. 4. Built in Sine wave oscillator of 100Hz to 100kHz. 	VE-AE51	01	5,950.00
3 ✓	<p>LOAD TEST ON SINGLE PHASE TRANSFORMER EXPERIMENTAL SETUP.</p> <p>Features:</p> <ul style="list-style-type: none"> • Complete Circuit diagram engraved on 6mm thick Bakelite sheet and housed in M.S Sheet Cabinet of S.W.G 22 suitably powder coated having Dimension 24x24x8 Inch • Facilitates easy and safe connections by student with 4mm banana patch cords and banana terminal arrangement for high voltage circuits. • Complete illustrated manual covering brief theory of equipment along with technical details and experimental procedures, Connection diagrams will be supplied with experimental set up. <p>Technical Specification:</p> <ul style="list-style-type: none"> • Transformer 1KVA/230/230VAC With Tappings at 50% & 86.6% • Two Nos. of Moving Coil Voltmeter of Range 300V AC of size 96*96mm provided with Input Terminals. • Two Nos of Moving Coil Ammeter of Range 10A AC of size 96*96mm provided with Input Terminals. • Two Nos. of Single Phase Wattmeter of Range 2KW of size 96*96mm provided with Input Terminals. • One No of Miniature Circuit Breaker of Range 10Amps (MCB/ DP) Provided on the Input Side. • Circuit Diagram Printed on Bakelite Sheet front panel with instrument connecting terminals. • Power Requirement : Single Phase 220V AC. 	VE-TL01	01	26,050.00



Authorised Distributors :
FLUKE Technologies Ltd. U.S.A.
Nvis Technologies (P) Ltd. (Indore)
ScienTECH Technologies (P) Ltd. (Indore)

Phone : 01332-272509, 276608 | Mob. : 7579200827
Email : vijaielectronics@ymail.com, vijai@vijayanta.com
: sales@vijayanta.com
Website : www.vijayanta.com

: 3 :

4	<p>MEASUREMENT OF POWER IN THREE PHASE AC CIRCUIT BY TWO WATTMETER METHODE</p> <p>Features:</p> <ul style="list-style-type: none"> • Complete Circuit diagram engraved on 6mm thick Bakelite sheet and housed in M.S Sheet Cabinet of S.W.G 22 suitably powder coated having Dimension 36x24x8 Inch • Facilitates easy and safe connections by student with 4mm banana patch cords and banana terminal arrangement for high voltage circuits. • Complete illustrated manual covering brief theory of equipment along with technical details and experimental procedures, Connection diagrams will be supplied with experimental set up. <p>Technical Specification:</p> <ul style="list-style-type: none"> • Three Nos. of Moving Coil Voltmeter of Range 500V AC of size 96*96mm provided with Input Terminals. • Three Nos. of Moving Coil Ammeter of Range 5/10A AC of size 96*96mm provided with Input Terminals. • Two Nos. of Single Phase Wattmeter of Range 2KW of size 96*96mm provided with Input Terminals. • One No. of Miniature Circuit Breaker of Range 415V/ 25 Amps (MCB/ TP) Provided on the Input Side. • Circuit Diagram printed on Bakelite Sheet front panel With Instruments Connecting Terminals. • Power Requirement : Three Phase 415V AC. • Variac 4 Amps Three Phase 	VE-PML05	01	24,220.00
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TERMS AND CONDITIONS :

1.	Price Terms	:	F.O.R. Dehradun (Rates are NET)
2.	Validity Period	:	60 days subject to confirmation thereafter.
3.	VAT/CST	:	Extra @ 5% or as applicable at the time of supply/delivery.
4.	Warranty	:	One year against all workmanship and manufacturing defects.
5.	Delivery	:	Within 4 weeks
6.	Payment Terms	:	50% advance with the PO through RTGS/DD and 50% balance against delivery.
7.	TIN No.	:	05017384268

Meanwhile thanking you and assuring you of our best services always, we remain.

Yours faithfully
FOR VIJAYANTA TECHNOLOGIES PVT. LTD.


AUTHORISED SIGNATORY

The ICFAI University, Dehradun
(ICFAI Tech School)

Date: 23/05/2017


Approval Note


Establishment of new lab "CAD of Electronics Lab and PCB Making" (2nd Year B.Tech)


With reference to the new syllabus of B.Tech program, a new lab named "CAD of Electronics Lab and PCB Making" is required to be established. For the purchase of the equipments (Tina DS & PCB Prototype Machine) to establish the above lab, the comparative statement of equipments as per the price (user wise) from three different companies is enclosed herewith. As per the comparative price mentioned in the quotations, Vijayanta Technologies Pvt LTD (Formerly Vijai Electronics) quoted the least price (for 5 users) for the required equipments and also offered a special discount of 7.5% on quoted rates(Rs 624480/-).In addition to this, they are ready to provide training on the equipments by their engineers. Therefore, Vijayanta Technologies Pvt. LTD. is recommended for purchasing the required equipments.

Total price (for 5 users) of above Equipment set-up according to Vijayanta Technologies Pvt. LTD after special discount of 7.5% ,is Rs 577644/- plus 5% VAT/CST applicable on the discounted amount.

Therefore, a sum of Rs 606526/-(Rs 577644+ Rs 28882) may kindly be sanctioned towards the same.


Registrar
(IUD)


Associate Dean
(ITS,IUD)


Vice Chancellor
(IUD)

E.N.Murthy

V.R.Shankara

Comparative statement for Equipments(Tina DS & PCB Prototype Machine) from three Companies							
For Single User Tina Design Suite					Companies		
SI No	Instruments	Quantity	Model No.	User	Scientech	Vijayanta	Scientific Instruments & Devices
1	Tina Design Suite with PCB DeSIGN	1	Tina V10 DS	Single	55500.00	52920.00	59000.00
2	Nvis PCB Prototype Machine	1	Nvis 72	X	482000.00	465720.00	486500.00
Total Cost (Rs.)					537500.00	518640.00	545500.00
For 5 User Tina Design Suite							
SI No	Instruments	Quantity	Model No	User	Scientech	Vijayanta	Scientific Instruments & Devices
1	Tina Design Suite with PCB Design	1	Tina V10 DS	5 User	175000.00	158760.00	178000.00
2	Nvis PCB Prototype Machine	1	Nvis 72	X	482000.00	465720.00	486500.00
Total Cost (Rs.)					657000.00	624480.00	664500.00
For 15 User Tina Design Suite							
SI No	Instruments	Quantity	Model No	User	Scientech	Vijayanta	Scientific Instruments & Devices
1	Tina Design Suite with PCB Design	1	Tina V10 DS	15 User	2,78,000.00	251400.00	263000.00
2	Nvis PCB Prototype Machine	1	Nvis 72	X	482000.00	465720.00	486500.00
Total Cost (Rs.)					760000.00	717120.00	749500.00

**Authorised Distributors :**FLUKE Technologies Ltd. U.S.A.
Nvis Technologies (P) Ltd. (Indore)
ScienTECH Technologies (P) Ltd. (Indore)Phone : 01332-272509, 276608 | Mob. : 7579200827
Email : vijaielectronics@ymail.com, vijai@vijayanta.com
: sales@vijayanta.com
Website : www.vijayanta.com

No. : VTPL Q-5/ 268 /2016-17

Dated: 17th, March, 2017Mr. Virendra Kumar
Assistant Professor
Electronics & Communication Deptt.
FST, The ICFAI University,
Rajawala Road, Central hopetown
Selaqui,
Dehradun -248197
Mob. : 8899089149, Email: virendra.kumar@iudehradun.edu.in

Dear Sir,

Sub. : Quotation

As per your enquiry. We are pleased to quote our As per rates for under:

S. NO.	DESCRIPTION	Unit Rates	
		Rs.	P.
1.	"Sciencetech" make TINA V10 Educational Version Standard (with PCB Design) Model : TINA V10 Education		
(a)	Single User License	52,920.00	
(b)	Site License up to 5-User	1,58,760.00	
(c)	Site License up to 15-User	2,51,400.00	
2.	"Nvis" make PCB Prototype Machine Model : NVIS-72 (As per attached specification sheet)	4,65,720.00	

TERMS AND CONDITIONS :

1.	Price Terms	:	F.O.R: Dehradun (Rates are NET)
2.	Validity Period	:	60 days subject to confirmation thereafter.
3.	VAT/CST	:	Extra @ 5% or as applicable at the time of supply/delivery.
4.	Warranty	:	One year against all workmanship and manufacturing defects.
5.	Delivery	:	Within 4 weeks
6.	Payment Terms	:	50% advance with the PO through RTGS/DD and 50% balance against delivery.
7.	TIN No.	:	05017384268

Meanwhile thanking you and assuring you of our best services always, we remain.

Yours faithfully
FOR VIJAYANTA TECHNOLOGIES PVT. LTD.

AUTHORISED SIGNATORY





Virendra Kumar <virendra.kumar@iudehradun.edu.in>

Quotation

VIJAI ELECTRONICS <vijaielectronics@ymail.com>
Reply-To: VIJAI ELECTRONICS <vijaielectronics@ymail.com>
To: Virendra Kumar <virendra.kumar@iudehradun.edu.in>

18 April 2017 at 11:17

Dear Sir,

Further to our quotation No. VTPL/Q-5/268/2016-17 dated 17th March, 2017 for your requirement of PCB Machine.

For the gesture of maintaining long term business relations with your esteemed educational organization, we offer you 7.5% educational institution special discount on quoted rates in our quotation dated 17th March, 2017. We hope after considering this discount you will find our quoted rates very competitive and give us an opportunity to place your order on us at the earliest.

It is not out of place to mention that the above machine will be supplied by 'Sintech' Indore unit, who are pioneer of this machine in India, which will be transported by independent vehicle from Indore to your place, their engineer will also come for live demonstration and training to your concerned staff. It may happen to give demonstration more than one visit which includes in the quoted prices. The after-sales-service is very important factor in this product

If you need any further information, please do write to us.

Thanks & Best Regards.....

VAIBHAV SINGH

C.E.O.

Mob. 09412074389

VIJAYANTA TECHNOLOGIES (P) LTD
(Formerly Vijai Electronics)

Dr. Baldev Singh Marg, 28/147 Civil Lines,
Roorkee – 247 667, Dist. Haridwar [Uttarakhand]
Ph. +91 - 01332 - 272509,
Mob.: +91 7579200827
E-mail : vijaielectronics@ymail.com; vijai@vijayanta.com; sales@vijayanta.com

From: VIJAI ELECTRONICS <vijaielectronics@ymail.com>
To: Virendra Kumar <virendra.kumar@iudehradun.edu.in>
Sent: Saturday, 18 March 2017 11:36 AM
Subject: Quotation

[Quoted text hidden]

STDN/RK/QTN/2017-18/0517-R
Dated- 01.05.2017

To,
Mr. Virender Kumar (Asst. Prof.)
Electronics & Communication Department FST
The ICFAI University,
Rajawala Road, Central Hopetown, Selaqui,
Dehradun-248197,
Ph. 0135-300-3189, Mbl. 88990-89149

Sub: Offer for Tina DS & PBC Prototype Machine

Dear Sir,

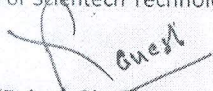
Pl. find below our best offer:

Sl. No.	Description	Model No	Rate/unit (Rs.)
1	Tina Design Suite with PCB Design	Model TINA V10 DS (Single Uer)	55,500.00
2	Tina Design Suite with PCB Design	Model TINA V10 DS (5 User)	1,75,000.00
3	Nvis PCB Prototype Machine	Nvis 72	4,82,000.00
4.	Tina Design Suite with PCB Design	Model TINA V10 DS (15 User)	2,78,000.00

TERMS & CONDITIONS:-

1. The Prices are : Ex Works Indore.
2. Taxes: Extra @5% on TINA DS & @ 14% on PCB Prototype Machine on quoted price,.
3. Freight Charge Extra @1.5% on above Quoted price .
4. Validity: 30 days.
5. Delivery: 4-8 weeks after receipt of confirm Purchase order & advance .
6. Road permit if required to be provided by you
7. Payment terms : 50% Along with Purchase Order by RTGS & Balance against delivery by DOD.
8. Warranty: 1 Year
9. OUR TRADER IDENTIFICATION NO. (TIN): 23171201508, PAN : AAGCS1664P , Service Tax No. AAGCS1664P SD002
10. GST if implemented during billing will be applicable.
- 11.. Supply & Billing: M/s SCIENTECH TECHNOLOGIES PVT. LTD., 94, ELECTRONIC COMPLEX PARDESIPURA INDORE - 452010

For Scientech Technologies Pvt.Ltd.


(Rakesh Singh)
Territory Manager
Scientech Technologies Pvt. Ltd.
Second Floor, C-19, F.I.E., Patparganj Industrial Area, Delhi-110 092
Tel: 011-22157371, Fax: +91-011-22157369,
Email:- rksingh@scientech.bz, ndel@scientech.bz
Web:-www.ScientechWorld.Com
Mobile ;. +919910326779

Scientific

INSTRUMENTS & DEVICES

Manufacturers, Suppliers & Exporters of :
Scientific Equipment for Research & Education

352/28, Civil Lines,
ROORKEE - 247 667 (U.K.)
Ph. : 09219411590

Tin No. : 05004141052
CST No. : Rk-0135896 dt 15-11-2002
Email : sindroorkee@gmail.com

SIND/751/2017-18

Date : 07.04.2017

The Head
Electronics & Communication Deptt. FST, The
ICFAI University,
Rajawala Road,
Central Hopetown Selaqui,
Dehradun -248197

K/a : Mr. Virender Kumar (Asst. Prof.)

QUOTATION

Dear Sir,

With reference to your enquiry, we submit our lowest rates as below :

Item No.	Make / Model No.	Description	Rate per Unit Rs.
1.	"Nvis" NVIS-72	PCB Prototype Machine (Catalogue enclosed)	4,86,500.00
2.	"Scientech" TINA V10 Education	INA V10 Educational Version Standard (with PCB Design) (Catalogue enclosed)	
OPTION I			
	"Scientech"	Single User License (Catalogue enclosed)	59,000.00
OPTION II			
	"Scientech"	Upto 5-User Site License (Catalogue enclosed)	1,78,000.00
<u>OPTION III</u>			
	"Scientech"	Up to 15-User Site License (Catalogue enclosed)	2,63,000.00

Scientific

INSTRUMENTS & DEVICES

Manufacturers, Suppliers & Exporters of :
Scientific Equipment for Research & Education

352/28, Civil Lines,
ROORKEE - 247 667 (U.K.)
Ph. : 09219411590

Tin No. : 05004141052
CST No. : Rk-0135896 dt 15-11-2002
Email : sindroorkee@gmail.com

TERMS & CONDITIONS:

1. Delivery : Within 6 – 8 weeks
2. Warranty : One year
3. Price Terms : F.O.R. Destination
4. Validity Period : 45 days, subject to confirmation thereafter.
5. TIN No. : 05004141052
6. Payment Terms : 25% advance and balance 37% against delivery
7. Sales Tax/VAT Extra : Extra @5% on above quoted products.

Thanking You,

Yours Faithfully,

FOR SCIENTECH INSTRUMENTS & DEVICES.


AUTHORIZED SIGNATORY.