

తెలంగాణ తెలంగాణ TELANGANA

4072 28/07/2020 100/-

*K. Shanthi* 407125

**K. SHANTHI**

LICENSED STAMP VENDOR

L. No: 16-11-045/1995,

R. No: 16-11-009/2019

H. No: 7-1-414/2, Srinivasa Colony  
East Ameerpet, Hyderabad-500 038:

Phone No: 9866250673

4072 28/07/2020 100/-  
B Tejaswi D/o B.V. Satyanarayana Kumar R to Hyd  
Unecops Technologies Ltd, Hyd

**Memorandum of Agreement (MOA)**

This Agreement is executed on the 1<sup>st</sup> April of 2021 between "Unecops Technologies Ltd", hereinafter called UTL and JVR Government College, Sathupally.

**1. PURPOSE & SCOPE**

The purpose of this MOA is to clearly identify the roles and responsibilities of each party and terms and conditions of the project as they relate to the AMC of Virtual Classrooms in JVR Government College, Sathupally.

**2. BACKGROUND**

In consideration of the foregoing and of the mutual promises set forth herein, and the Purchase Order released by your college vide ref no Lr.No.01/Virtual Class Rooms/RUSA Colleges/60/2019, Dated:16/11/2019 to Telecommunications Consultants India Limited, TCIL. The UTL has been authorized by TCIL as The implementation partner for the execution of Virtual Classrooms. Herein JVR Government College, Sathupally and UTL, hereto agree as follows:

11. CCE and SPD – RUSA (Commissioner of Collegiate education and State Project Director – RUSA) on the observations made on the proposals shared on the AMC by TCIL and UTL, has decided to go forward with UTL and released the proceedings dated 17.03.2021 to enter the MOA with respective colleges.



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1.2. UTL has expertise in the similar area and has been authorized to provide services for implementation of Virtual and Digital Classrooms.

1.3. UTL agrees to perform for JVR Government College, Sathupally the services listed in the Scope of Services section below. Such services are hereinafter referred to as "Services." The JVR Government College, Sathupally agrees that UTL shall have ready access to Company's staff and resources as necessary to perform the service provided for this contract.

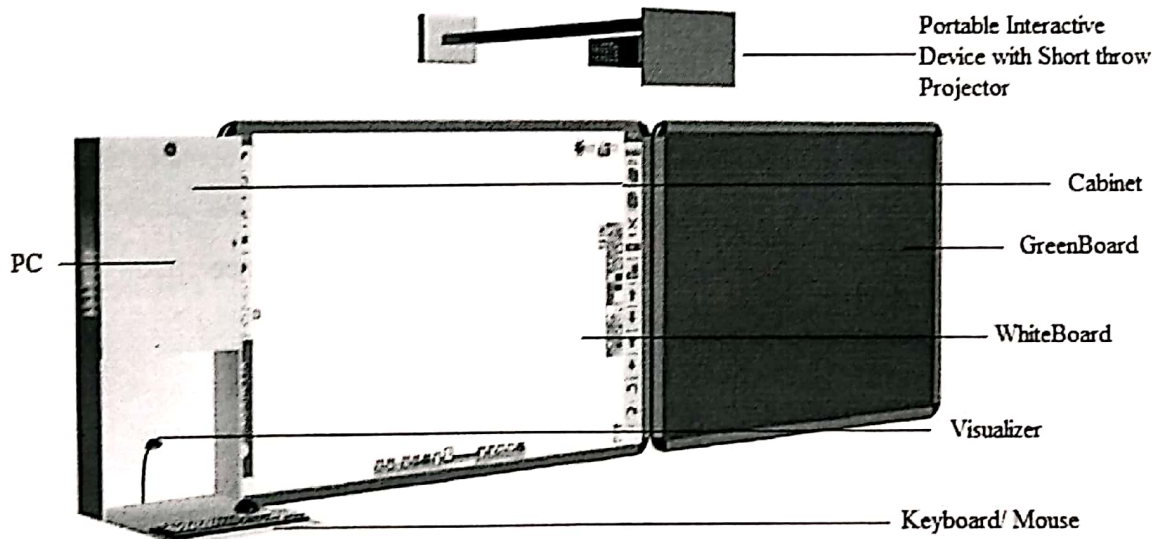
### 3. Scope of Work under this MOA

UTL shall provide the following products and services under this project:

Installation of Virtual Classrooms in Colleges in Institutions in the state of Telangana.

The Components for Virtual Classroom and Digital Classrooms are listed below with the specifications/ features for each product.

#### Vertical Wall Mounted metal cabinet



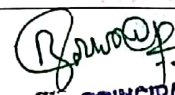
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## Virtual Classroom Specifications

### Technical Specifications

Virtual cum Digital Classroom	
LIST OF ITEMS	
1. PC	<ul style="list-style-type: none"> <li>• Processor - Intel® Pentium® processor (1.5 to 2.80 GHz, Quad Core)</li> <li>• Hard Disk - 500GB</li> <li>• RaM - 4GB</li> </ul>
2. Interactive Device	<ul style="list-style-type: none"> <li>• Movement Detection Technology - 3-D Optical</li> <li>• Tracking Active Area - Up to 6x4" for 16:9 aspect ratio (Wide angle)</li> <li>• View angel - (Vertical) 95 deg</li> <li>• View angel - (Horizontal) 110 deg</li> <li>• View angel - (Diagonal) 170 deg</li> <li>• T/R Range - 0.6 / 0.4 / 0.2 / 0.16</li> <li>• Tracking Speed - 60-70 FPS (can be extrapolated upto 200 FPS)</li> <li>• Operating &amp; Storage Environment Temperature: - 10° C to +60° C; Humidity: 0% to 95%</li> <li>• Accuracy + / - 2 px</li> <li>• Response Time - Upto 195 Mn dots/sec</li> <li>• Key features: Annotation features such as choose pens, annotate, erase, color, shapes, sizes, capture image and video, save, floating keyboard etc</li> </ul>
3. Projector Short Throw	<ul style="list-style-type: none"> <li>• Technology: DLP</li> <li>• Brightness/ Resolution: 3000 lumens</li> <li>• Native Resolution: XGA(1024X768)</li> </ul>



  
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	<ul style="list-style-type: none"> <li>• Brightness : 3000AL</li> <li>• Contrast Ratio : 20000:1</li> <li>• Display Color : 1.07 Billion Colors</li> <li>• Lens : F=2.6 f=6.9mm</li> <li>• Aspect Ratio: Native 4:3 (5 aspect ratio selectable)</li> <li>• Zoom Ratio : Fixed</li> <li>• Lamp Type: 200W</li> <li>• Lamp Mode : 4500/6000/6500/10000 hours</li> <li>• Keystone Adjustment: 1D, Vertical +/- 30 degrees</li> <li>• Accessories: Wall Mount kit, HDMI, VGA, Power Cables</li> </ul>
<b>4. Portable Visualizer</b>	<ul style="list-style-type: none"> <li>• Capture Size A4</li> <li>• Resolution 1024 x 786 (XGA)</li> <li>• Sensor CMOS 2.0 mega pixel</li> <li>• Picture Format JPG / TIF / PDF / BMP / TGA / PCX / PNG / RAS</li> <li>• Doc Format PDF / WORD / TXT</li> <li>• Video Format AVI / WMV</li> </ul>
<b>5. White Board</b>	<b>Size: 1828 X 1220 mm (6x4) Ceramic coated scratch resistant surface</b>
<b>6. Green Board</b>	<b>Size: 1524 X 1220 mm (5x4)</b>
<b>7. Projector Wall Mount Kit</b>	<ul style="list-style-type: none"> <li>• 2x2 Aluminum Wall Mount kit</li> </ul>
<b>8. Speakers</b>	<ul style="list-style-type: none"> <li>• 2.1 50W RMS Speakers</li> <li>• 4-inch full range driver for satellites and powerful 6.5 base driver for the sub-woofer speaker</li> <li>• Independent power switch</li> <li>• LED indicator</li> <li>• Cable length: Satellite speaker: 1.5m</li> <li>• Audio input cable: RCA vs. 3.5mm stereo cable x 1pcs, RCA vs.</li> </ul>



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	<p>RCA stereo cable x 1pcs</p> <ul style="list-style-type: none"> <li>• Output power (RMS): 52W</li> <li>• Satellite: 16W×2</li> <li>• Subwoofer: 20W</li> <li>• Power: AC 220-240V - 50/60Hz</li> </ul>
9. Wireless Mic	<p>RF Output Power - 10mW (Max.)</p> <p>Modulation Mode - FM</p> <p>Microphone Element - Dynamic, Cardioid</p> <p>Maximum Deviation - <math>\pm 25</math>kHz</p> <p>Frequency Response - 40Hz-13kHz</p> <p>Power Requirement - 9V Battery</p> <p>Current Consumption - &lt;30mA</p> <p>Controls - ON/MUTE/OFF Switch</p> <p>Indication - Red LED: Momentary glow for RF ON &amp; Permanent glow for Low Battery</p> <p>Dimensions - <math>\phi</math> 48 (L 240) mm</p> <p>Weight - 0.25kg (without battery)</p> <p><b>RECEIVER</b></p> <p>Frequency Stability - <math>\pm 0.005\%</math></p> <p>Audio Output - 0-50mV</p> <p>S/N Ratio - &gt;80dB</p> <p>Distortion - &lt;0.5%</p> <p>Antenna Type - Telescopic</p> <p>Power Requirement - 220V-240V AC</p> <p>Dimensions - W152×H40×D110 mm</p> <p>Weight - 0.20kg</p> <p><b>ACCESSORIES</b></p> <p>1×Connection Cable, 1×AC Adaptor, 1×9V Battery</p>



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<p><b>10. Metal Cabinet</b></p>	<ul style="list-style-type: none"> <li>• CRCA Steel Sheet</li> <li>• Integrated SLIM metal cabinet solution (Vertical Type)</li> <li>• Sturdy &amp; compact product design</li> <li>• Secure key-operated housing for PC, UPS, Tiny KB, Mouse</li> <li>• Stylus, Speaker (2.0), Markers, Whiteboard dusters &amp; other</li> </ul>
<p><b>11. UPS</b></p>	<ul style="list-style-type: none"> <li>• 600VA inbuilt battery</li> <li>• 10-15 minutes backup</li> <li>• Microprocessor Control Guarantees High reliability</li> <li>• Equipped with boost and buck AVR</li> <li>• DC start Function</li> <li>• Auto restart While AC recovery</li> <li>• Compact size, Light weight</li> <li>• Provides AC Overload Protection</li> </ul>
<p><b>12. Camera</b></p>	<ul style="list-style-type: none"> <li>• Lens – f=4.7~94mm</li> <li>• Zoom – 20x</li> <li>• Sensor – 1/28" Progressive CMOS</li> <li>• Effective Pixel – 2.1 MP</li> <li>• Video output – USB 3.0 / SDI</li> <li>• Signal System – 1080P (1920*1080) and 720P (1280*720)</li> <li>• Tilt Movement Range - 120°</li> <li>• Pan Movement Range - 355°</li> <li>• Remote Control – IR Wireless</li> </ul>
<p><b>13. Cloud License for Virtual Collaboration</b></p>	<p><b>Video Support</b> - HD continuous presence up to 60fps  <b>Video Bandwidth</b> – it should be minimum 2.0 Mbps per location  <b>Signaling protocols</b> – H.323 and open SIP  <b>Audio Support:</b> Codecs – G.711, G.722, G.722.1, G.729, MPEG4 AAC-  Web-Based Monitoring and Control: User-friendly web interface for MCU configuration and conference operation</p>



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#### 4. Annual Maintenance

- 4.1. The products shall be covered under Annual Maintenance Contract after the warranty of one year.
- 4.2. 10% of total order value shall be charged per annum for AMC. AMC shall be valid for the period of three (3) years. The AMC is valid from 01.04.2021 to 02.04.2024.
- 4.3. AMC will include the repairs and maintenance of hardware equipment.

#### 8. Inclusions in AMC

8.1 AMC will include the following –

- Extended one year warranty of the equipment
  - Extension of Cloud license for one year
  - Repairs and Maintenance of hardware equipment.
- 
- UTL shall service, maintain the equipment in good working condition without any additional charge
  - UTL Shall at its sole discretion replace without any charge worn out parts by the part of serviceable quality. Parts thus exchanged shall be the property of Uneecops & Uneecops authorized persons shall be entitled to remove & carry any such parts from the users place of installation.
  - UTL shall not be liable for any delay in or failure in performance of its obligations under or arising out of this contract, if the delay or failure results from any cause beyond the reasonable control of Uneecops including but not limited to the act of God, fire, explosion, accident, strike, lockout, industrial dispute, government action etc.
  - Re -Training of teachers on the usage of the solution.
  - Free telephonic support and email support shall be provided.
  - Bi- annual on field visits and college wise training will be done by the Engineers at all the locations and concerned reports signed by the college authorities will be submitted to the CCE AND SPD- RUSA Head Office, at the end of every quarter.



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- Manpower support for Corrective onsite maintenance shall be provided in case of any breakdown of services.
- All upgrades, patches in the hardware/ software shall be provided in AMC.
- Consumables shall be provided on actual price.

#### 9. AMC Payment Terms and Conditions

1. 90 % advance payment need to be done on the start date of AMC, and 10% payment need to be released at the beginning of the fourth quarter of the service.
2. The payment need to be done by JVR Government College, Sathupally to UTL.
3. The service reports will be submitted in each quarter to the CCE AND SPD- RUSA Head Office.


#### 10. Effective date and signature

This MOA shall be effective upon the signature of Parties A and B authorized officials

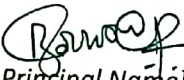
Parties A and B indicate agreement with this MOA by their signatures.

Signatures and dates

[Unecops Technologies Ltd]

\_\_\_\_\_  


Date

  
[College Principal Name]  
**PRINCIPAL**  
J.V.R. Govt. College  
SATHUPALLY.

Date

3-5-2021



# INSTALLATION / WARRANTY CERTIFICATE



Order Customer Name , City & State : ARMOUR POWER SYSTEMS & SERVICES LLP, SECUNDERABAD, Telangana

Delivery Site Address :  JVR GOVT DEGREE COLLEGE SATHUPALLY KHAMMAM KHAMMAM, Telangana 507303 India  Contact Person: Phone No: Email Id:	Installation Site Address :  JVR GOVERNMENT DEGREE COLLEGE, SATHUPALLY, Examination Branch, KHAMMAM, TELANGANA, India  Site / ATM ID: Exam Branch Contact Person: Mr P Ramachandra Rao Phone No: 9963329249 Email Id: sathupallyjkc@gmail.com
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OAN No: 0000493113	OAN Date: 12.02.2021	Invoice No: 1267036176	Invoice Date: 27.02.2021
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UPS Configuration : U7ONF/10KVA 204V/11UNI/ FMI/ARQ120/1SET  
 Customer Sector / Type of load : Education / IT Loads

Description	KVA / AH Rating	Qty	Type	UPS Serial Number/s	VII201105450
1. UPS System	10 / 204 V	1	ONFINITI		
2. Battery details	120 AH	17	SMF		
3. Battery brand	AMARAJA QUANTA				
4. Accessory 1	100AH B20 BOLTED BATTERY RACK W/O COVER				
5. Accessory 2					
6. Accessory 3					
7. Accessory 4					
8. Accessory 5					

Batteries Supplied by: Numeric  
 Date of Delivery : 16.03.2021

Date of Installation: 29.12.2021

Ups Warranty : 24 Months from date of installation or 27 Months from date of invoice whichever is earlier

Battery Warranty \*\* : 24 Months

Note: Refer our website <https://www.numericups.com/warranty-clause> for more details  
 \*\*If the Batteries are not installed within 90 days from the date of Invoice, the warranty shall be null and void as per the manufacturer's warranty terms.  
 \*\* If batteries are purchased from other vendor, Numeric is not responsible for battery warranty, backup, failure and etc.,

Engineer's Remarks : Need input and output wiring at site with 40amps double pole mcb. Ups installation done on battery mode   Signature : Signed By: Mr Krishnam Raju Date : 29.12.2021 : 15:13:28  Name : KRISHNAM RAJU BOJJA  Designation / Employee code : Technician / 21054765  Service Area : KMM-KHAMMAM-AO	Remarks: Certified that the above equipments are Installed and Commissioned in good condition and to our satisfaction.   Customer Signature : Signed By: Mr Ramachandra Rao Date : 29.12.2021 : 15:15:13  Customer Employee Name : Mr P Ramachandra Rao Customer Designation / Customer Employee code : Principal / Principal Location : KHAMMAM
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NUMERIC CONTACT DETAILS	
Service Branch Phone No.: 9704718588	Help desk Toll free No.: 18004253266
Service Branch Mobile No.: 9391061658	Head office Phone No.: 4446565555
Service Email ID.: preamkumar.natarajan@numericups.com	Service Support Email: support.numeric@numericups.com

# INSTALLATION / WARRANTY CERTIFICATE



Order Customer Name , City & State : ARMOUR POWER SYSTEMS & SERVICES LLP, SECUNDERABAD, Telangana

Delivery Site Address :  JVR GOVT DEGREE COLLEGE SATHUPALLY KHAMMAM KHAMMAM, Telangana 507303 India  Contact Person: Phone No: Email Id:	Installation Site Address :  JVR GOVERNMENT DEGREE COLLEGE, SATHUPALLY, KHAMMAM, TELANGANA, India  Site / ATM ID: Contact Person: Mr Ramachandra Rao Phone No: 9963329249 Email Id: sathupallyjkc@gmail.com
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OAN No: 0000493108	OAN Date: 12.02.2021	Invoice No: 1267036376	Invoice Date: 08.03.2021
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UPS Configuration : U7ONF/05KVA204V/11UNI/FMI/C2      Customer Sector / Type of load : Education / IT Loads

Description	KVA / AH Rating	Qty	Type	UPS Serial Number/s	VII201205529
1. UPS System	05 / 204 V	1	ONFINITI	Battery Batch Nos : Battery Serial Nos:	
2. Battery details	65 AH	0	SMF		
3. Battery brand	EPS				
4. Accessory 1					
5. Accessory 2					
6. Accessory 3					
7. Accessory 4					
8. Accessory 5					

Batteries Supplied by:	Date of Delivery :	15.03.2021
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Date of Installation: 29.12.2021

Ups Warranty : 24 Months from date of installation or 27 Months from date of invoice whichever is earlier

Battery Warranty \*\* : 0 Months

Note: Refer our website <https://www.numericups.com/warranty-clause> for more details  
 \*\*If the Batteries are not installed within 90 days from the date of Invoice, the warranty shall be null and void as per the manufacturer's warranty terms.  
 \*\* If batteries are purchased from other vendor, Numeric is not responsible for battery warranty, backup, failure and etc.,

Engineer's Remarks : Need input output wiring. Ups installed on battery mode   Signature : Signed By: Mr Krishnam Raju Date : 29.12.2021 : 18:10:19  Name : KRISHNAM RAJU BOJJA  Designation / Employee code : Technician / 21054765  Service Area : KMM-KHAMMAM-AO	Remarks: Certified that the above equipments are Installed and Commissioned in good condition and to our satisfaction.   Customer Signature : Signed By: Mr Ramachandra Rao Date : 29.12.2021 : 18:10:48  Customer Employee Name : Mr Ramachandra Rao Customer Designation / Customer Employee code : Principal / Principal Location : KHAMMAM
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### NUMERIC CONTACT DETAILS

Service Branch Phone No.: 9704718588	Help desk Toll free No.: 18004253266
Service Branch Mobile No.: 9391061658	Head office Phone No.: 4446565555
Service Email ID.: preamkumar.natarajan@numericups.com	Service Support Email: support.numeric@numericups.com

# INSTALLATION / WARRANTY CERTIFICATE



Order Customer Name , City & State : ARMOUR POWER SYSTEMS & SERVICES LLP, SECUNDERABAD, Telangana

Delivery Site Address :  JVR GOVT DEGREE COLLEGE SATHUPALLY KHAMMAM KHAMMAM, Telangana 507303 India  Contact Person: Phone No: Email Id:	Installation Site Address :  JVR GOVERNMENT DEGREE COLLEGE, SATHUPALLY, New building commers lab, KHAMMAM, TELANGANA, India  Site / ATM ID: Contact Person: Mr Ramachandra Rao Phone No: 9963329249 Email Id: sathupallyjkc@gmail.com
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OAN No: 0000493108	OAN Date: 12.02.2021	Invoice No: 1267036376	Invoice Date: 08.03.2021
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UPS Configuration : U7ONF/05KVA204V/11UNI/FMI/C2      Customer Sector / Type of load : Education / IT Loads

Description	KVA / AH Rating	Qty	Type	UPS Serial Number/s	VII201205528
1. UPS System	05 / 204 V	1	ONFINITI		
2. Battery details	AH	0			
3. Battery brand					
4. Accessory 1					
5. Accessory 2					
6. Accessory 3					
7. Accessory 4					
8. Accessory 5					

Batteries Supplied by: \_\_\_\_\_ Date of Delivery : 15.03.2021

Date of Installation: 29.12.2021

Ups Warranty : 24 Months from date of installation or 27 Months from date of invoice whichever is earlier

Battery Warranty \*\* : 0 Months

Note: Refer our website <https://www.numericups.com/warranty-clause> for more details  
 \*\*If the Batteries are not installed within 90 days from the date of Invoice, the warranty shall be null and void as per the manufacturer's warranty terms.  
 \*\* If batteries are purchased from other vendor, Numeric is not responsible for battery warranty, backup, failure and etc.,

Engineer's Remarks : Need Input and output wiring with dedicated earth. Ups and batteries installation in battery mode.   Signature : Signed By: Mr Krishnam Raju Date : 29.12.2021 : 18:11:36  Name : KRISHNAM RAJU BOJJA  Designation / Employee code : Technician / 21054765  Service Area : KMM-KHAMMAM-AO	Remarks: Certified that the above equipments are Installed and Commissioned in good condition and to our satisfaction.   Customer Signature : Signed By: Mr Ramachandra Rao Date : 29.12.2021 : 18:11:59 Customer Employee Name : Mr Ramachandra Rao Customer Designation / Customer Employee code : Principal / Principal Location : KHAMMAM
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Service Branch Mobile No.: 9391061658	Head office Phone No.: 4446565555
Service Email ID.: preamkumar.natarajan@numericups.com	Service Support Email: support.numeric@numericups.com

**NPDM/SER/FR/02 Rev 9**

### NOVATEUR ELECTRICAL & DIGITAL SYSTEMS PRIVATE LIMITED

Corporate Identity Number : U31909MH2010PTC206487

Regd off: 61/62, 6th Floor, Kalpataru Square, Kondivita Road, Off Andheri-Kurla Road, Andheri(East), Mumbai, Maharashtra-400059, India Ph : +91-22-30416200.