



తెలంగాణ తెలంగాణ TELANGANA

S.No. 1413 Date: 23/06/2020 Rs. 100/-

SOLD TO: B. Tejaswi

S/o. W/o. D/o. B.V. Satyanarayana Kumar, R/o. Hyd

FOR WHOM: UNEECOPS TECHNOLOGIES LTD.

*K. Chandrasekar Rao* Y 518133

K. CHANDRASEKAR RAO

LICENSED STAMP VENDOR

L.No.16-11-25/2017, R.L.No.16-11-028/2020

Shop No.14, Annapurna Block, Aditya Enclave

Ameerpet, Hyderabad-500038 (South Dist)

Cell: 9000199681

### Memorandum of Agreement (MOA)

This Agreement is executed on the 23.06.2020 of 2020 between "Unecops Technologies Ltd", hereinafter called UTL and SR & BGNR Govt. Arts & Science College Khammam.

#### 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 SR & BGNR Govt. Arts & Science College Khammam.

#### 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 RUSA\_EQUP/1/2019 Dt.22.03.2019 to Telecommunications Consultants India Limited, TCIL. The UTL has been authorized by TCIL as the implementation partner for the execution of Virtual Classrooms. Herein SR & BGNR Govt. Arts & Science College Khammam and UTL hereto agree as follows:

- 1.1. 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 27.05.2020 to enter the MOA with respective colleges.



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23/06/2020  
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College (A), Khammam

- 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 SR & BGNR Govt. Arts & Science College Khammam the services listed in the Scope of Services section below. Such services are hereinafter referred to as "Services." The SR & BGNR Govt. Arts & Science College Khammam agrees that UTL shall have ready access to Company's staff and resources as necessary to perform the service provided for this contract.

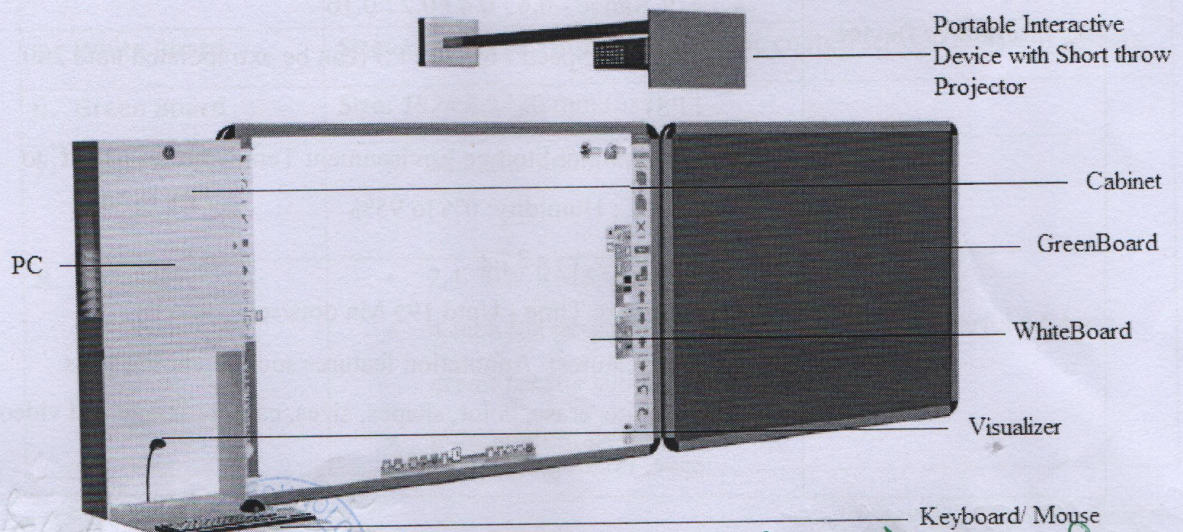
### 3. Scope of Work under this MOA

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



*B. Tejaswar*  
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*J. S. R. Aravind*  
 28/12/2020  
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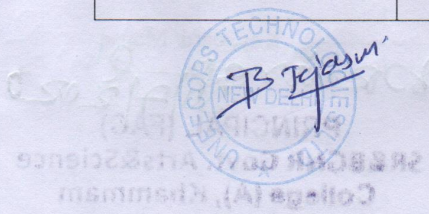
## Virtual Classroom Specifications

### Technical Specifications

Virtual cum Digital Classroom	
LIST OF ITEMS	
1. PC	<ul style="list-style-type: none"> <li>• <b>Processor</b> - Intel® Pentium® processor (1.5 to 2.80 GHz, Quad Core)</li> <li>• <b>Hard Disk</b> - 500GB</li> <li>• <b>RaM</b> - 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>

*Jelsa Ratna*

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**College (A), Khammam**



<b>3. Projector Short Throw</b>	<ul style="list-style-type: none"> <li>• Technology: DLP</li> <li>• Brightness/ Resolution: 3000 lumens</li> <li>• Native Resolution: XGA(1024X768)</li> <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 MoAnt 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> <li>•</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 MoAnt Kit</b>	<ul style="list-style-type: none"> <li>• 2x2 Aluminum Wall MoAnt 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> </ul>

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

*[Handwritten Signature]*  
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**SR&BGNR Govt. Arts&Science**  
**College (A), Khammam**

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	<p><b>ACCESSORIES</b></p> <p>1×Connection Cable, 1×AC Adaptor, 1×9V Battery</p>
<b>10. Metal Cabinet</b>	<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, MoAse, Stylus, Speaker (2.0), Markers, Whiteboard dusters &amp; other</li> </ul>
<b>11. UPS</b>	<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>
<b>12. Camera</b>	<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>
<b>13. Cloud License for Virtual Collaboration</b>	<p><b>Video Support</b> - HD continuous presence up to 60fps</p> <p><b>Video Bandwidth</b> – it should be minimum 2.0 Mbps per location</p> <p><b>Signaling protocols</b> – H.323 and open SIP</p> <p><b>Audio Support:</b> Codecs – G.711, G.722, G.722.1, G.729, MPEG4 AAC-</p> <p>Web-Based Monitoring and Control: User-friendly web interface for MCU configuration and conference operation</p>



*J. S. Reddy*  
30/01/2020  
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**College (A), Khammam**

#### 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 .
- 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.



- 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 SR & BGNR Govt. Arts & Science College Khammam to UTL
2. The service reports will be submitted in each quarter to the CCE AND SPD- RUSA Head Office.

### 10. Effective date and signature

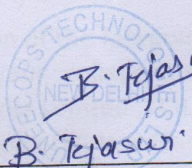
This MOA shall be effective upon the signature of Parties A and B authorized officials

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

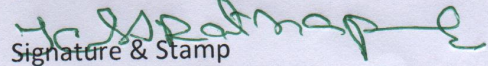
Signatures and dates

[Unecops Technologies Ltd]

Signature & Stamp

  
 B. Tejaswini  
 Regional Manager  
 \_\_\_\_\_  
 Date

KSSRATNA PRASAD  
 [College Principal Name]

  
 Signature & Stamp

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**SR&BGNR Govt. Arts&Science**  
**College (A), Khammam**

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Date 30.07.2020