

REQUEST FOR PROPOSALS
FOR
VIRTUAL AND AUGMENTED REALITY LAB
FOR
THE CURATORS OF THE UNIVERSITY OF MISSOURI
FOR
THE UNIVERSITY OF MISSOURI- KANSAS CITY
RFP # 17 8010 KS K
OPENING DATE: JANUARY 23, 2017
TIME: 2:00 PM, CT

Prepared by:

Kevin Summers, CPPB
Strategic Sourcing Specialist
University of Missouri System Supply Chain
2910 Lemone Industrial Blvd
Columbia, MO 65201

Dated: January 3, 2017

NOTICE TO RESPONDENTS

The University of Missouri requests proposals for Virtual and Augmented Reality Lab RFP # 17 8010 KS K, which will be received by the undersigned at the UM System Supply Chain, University of Missouri, 2910 Lemone Industrial Blvd, Columbia, MO 65201 until 2:00 p.m., CT, January 23, 2017. Proposals will be opened and identified starting at 2:05 p.m., CT.

Specifications and the conditions of proposal together with the printed form on which proposals must be made may be obtained from Kevin Summers at 573-884-8797 or Summersk@umsystem.edu.

The University of Missouri reserves the right to waive any informality in proposals and to reject any or all proposals.

THE CURATORS OF THE UNIVERSITY OF MISSOURI

By: Kevin Summers CPPB
Strategic Sourcing Specialist
University of Missouri System Supply Chain
Summersk@umsystem.edu

Dated: January 3, 2017

**UNIVERSITY OF MISSOURI
GENERAL TERMS AND CONDITIONS
AND
INSTRUCTIONS TO RESPONDENTS
REQUEST FOR PROPOSAL (RFP)**

A. GENERAL TERMS AND CONDITIONS

1. **Purpose:** The purpose of these specifications is to require the furnishing of the highest quality equipment, supplies, material and/or service in accordance with the specifications. These documents, and any subsequent addenda, constitute the complete set of specification requirements and proposal response forms.
2. **Governing Laws and Regulations:** Any contract issued as a result of this RFP shall be construed according to the laws of the State of Missouri. Additionally, the contractor shall comply with all local, state, and federal laws and regulations related to the performance of the contract to the extent that the same may be applicable.
3. **Taxes:** The contractor shall assume and pay all taxes and contributions including, but not limited to, State, Federal and Municipal which are payable by virtue of the furnishing and delivery of item(s) specified herein. Materials and services furnished the University are not subject to either Federal Excise Taxes or Missouri Sales Tax.
4. **Sovereign Immunity:** The Curators of the University of Missouri, due to its status as a state entity and its entitlement to sovereign immunity, is unable to accept contract provisions, which require The Curators to indemnify another party (537.600, RSMo). Any indemnity language in proposed terms and conditions will be modified to conform to language that The Curators are able to accept.
5. **Preference for Missouri Firms:** In accordance with University policy, preference shall be given to Missouri products, materials, services and firms when the goods or services to be provided are equally or better suited for the intended purpose and can be obtained without additional cost. Firms are considered "Missouri firms" if they maintain a regular place of business in the State of Missouri.
6. **Equal Opportunity and Non-Discrimination:** In connection with the furnishing of equipment, supplies, and/or services under the contract, the contractor and all subcontractors shall agree not to discriminate against any recipients of services, or employees or applicants for employment on the basis of race, color, religion, national origin, sex, age, disability, or veteran status. The contractor shall comply with federal laws, rules and regulations applicable to subcontractors of government contracts including those relating to equal employment of minorities, women, persons with disabilities, and certain veterans. Contract clauses required by the United States Government in such circumstances are incorporated herein by reference.

7. Supplier Diversity Participation

It is the policy of the University of Missouri System to ensure full and equitable economic opportunities to all persons and businesses that compete for business with the University. The University's Supplier Diversity effort reflects that.

Diverse suppliers must be at least 51% owned and controlled by someone in one of the recognized groups (see below). Diverse suppliers should be certified from a recognized certifying agency. These firms can be a sole proprietorship, partnership, joint venture or corporation. Attachment A provides a list

of agencies that are recognized as certifying agencies. The definition of what counts as a diverse supplier for the University of Missouri System are: Minority (MBE: African-American, Hispanic, Native-American Asian Indian/Pacific), Women (WBE), Veterans (VBE-Includes Service Disabled) and Disadvantaged Business Enterprises (DBE/SDB). Again, these firms must be certified to be recognized by University of Missouri System Supply Chain (UMSSC).

Second Tier Diverse Supplier Spending and Reporting: The University strongly encourages Supplier Diversity participation in all of its contracts for goods and services. This may be as the primary supplier/contractor for the awarded business. Diverse suppliers can also be used as subcontractors by a majority-owned supplier to fulfill its contract with the University. This is called 2nd Tier spending. There are two ways this can be accomplished:

Direct 2nd Tier spending: This is diverse supplier spending by a first tier supplier of goods and/ or services that directly fulfills a UM contract. The principle to follow— if the diverse supplier spending by the first tier supplier can be traced and tracked specifically to the contract, this is direct 2nd tier spending.

Example: Company A is a prime supplier of office products to UMSSC. Ink pens that are supplied to UMSSC are provided by a minority-owned business. This would be direct 2nd Tier. Dollars that can be tracked and traced to fulfilling the contract.

Indirect 2nd Tier spending: Calculates the 2nd Tier spending by prorating the prime supplier's company-wide diverse supplier spending with the percentage of its total business represented by the customer company's business.

Example: Company B spends \$100,000 with a Veteran-owned landscaping company. UMSSC comprises 20% of that company's/subsidiary's overall business revenue. Company B can report \$20,000 to UMSSC as indirect 2nd Tier spending.

The Director of Supplier Diversity and Small Business Development can provide more detail.

Respondents must indicate their Supplier Diversity participation levels committed to this contract on the Supplier Diversity Participation Form included in this RFP (see Attachment B). The Respondent must describe what suppliers and/or how the Respondent will achieve the Supplier Diversity goals. Evaluation of proposals shall include the proposed level of Supplier Diversity participation. Proposals that do not meet the participation requirements for Supplier Diversity will not receive any of the points during proposal review.

Suppliers/contractors will be responsible for reporting diverse supplier participation on an agreed upon timing (e.g., quarterly, annually) when business is awarded.

The University will monitor the contractor/supplier's compliance in meeting the Supplier Diversity participation levels committed to in the awarded proposal. If the contractor/supplier's payments to participating diverse suppliers are less than the amount committed to in the contract, the University reserves the right to cancel the contract, suspend and/or debar the contractor/supplier from participating in future contracts. The University may retain payments to the contractor/supplier in an amount equal to the value of the Supplier Diversity participation commitment less actual payments made to diverse suppliers.

If a participating diverse supplier does not retain their certification and/or is unable to satisfactorily perform, the contractor/supplier must obtain other certified diverse suppliers, if available, to fulfill the Supplier Diversity participation requirements committed to in the awarded proposal. The contractor/supplier must obtain the written approval of the Chief Procurement Officer for any new diverse supplier. Additionally, if the Respondent cannot find another diverse supplier replacement, documentation must be submitted to the Chief Procurement Officer detailing all good faith efforts made to find a replacement. The Chief Procurement Officer shall have sole discretion in determining if the

actions taken by the contractor/supplier constitute a good faith effort to secure diverse supplier participation and whether the contract will be amended to change the Supplier Diversity participation commitment.

8. **Applicable Laws and Regulations:** The University serves from time to time as a contractor for the United States government. Accordingly, the provider of goods and/or services shall comply with federal laws, rules and regulations applicable to subcontractors of government contracts including those relating to equal employment opportunity and affirmative action in the employment of minorities (Executive Order 11246), women (Executive Order 11375), persons with disabilities (29 USC 706 and Executive Order 11758), and certain veterans (38 USC 4212 formerly [2012]) contracting with business concerns with small disadvantaged business concerns (Publication L. 95-507). Contract clauses required by the Government in such circumstances are incorporated herein by reference.
9. **Appropriation:** The Curators of the University of Missouri is a public corporation and, as such, cannot create indebtedness in any one year (the fiscal year beginning July 1 to June 30) above what they can pay out of the annual income of said year as set forth in 172.250, RSMo. Therefore, if the University determines it has not received adequate appropriations, budget allocations or income to enable it to meet the terms of this contract, the University reserves the right to cancel this contract with 30 days notice.
10. **Applicable Health Related Laws and Regulations:** If these specifications or any resulting contract involves health care services or products, the Contractor agrees to maintain, and will further assure such compliance by its employees or subcontractors, the confidential nature of all information which may come to Contractor with regard to patients of the University. All services provided pursuant to this contract shall be provided in accordance with all applicable federal and state laws including The Health Insurance Portability and Accountability Act of 1996, Public Law 104-191, sections 261-264 (the Administrative Simplification sections) and the regulations promulgated pursuant thereto and regulations of the Joint Commission on Accreditation of Healthcare Organization and the Health Care Financing Administration.

Respondents understand and agree that the Curators of the University of Missouri, in the operation of the University Hospitals and Clinics, is regulated under federal or state laws with regard to contracting with vendors. The Contractor represents that it is not currently excluded or threatened with exclusion from participating in any federal or state funded health care program, including Medicare and Medicaid. Contractor agrees to notify the University of any imposed exclusions or sanctions covered by this representation.

The University will regularly check the "List of Excluded Individuals/Entities" (LEIE), maintained by the Office of Inspector General, United States Department of Health and Human Services ("OIG") to determine if any Bidders/Respondents have been excluded from participation in federal health care programs, as that term is defined in 42 U.S.C. §1320a-7b(f). The University reserves the sole right to reject any Respondents who are excluded by the OIG, who have been debarred by the federal government, or who have otherwise committed any act that could furnish a basis for such exclusion or debarment.

11. **Inventions, Patents, and Copyrights:** The Contractor shall pay for all royalties, license fees, patent or invention rights, or copyrights and defend all suits or claims for infringements of any patent or invention right or copyrights involved in the items furnished hereunder. The Contractor shall defend, protect, and hold harmless the University its officers, agents, servants and employees against all suits of law or in equity resulting from patent and or copyright infringement concerning the contractor's performance or products produced under the terms of the contract.

Copyrights for any item developed for the University shall be the property of the University and inure to its benefit and the Contractor shall execute such documents as the University may require for the perfection thereof.

12. **Insurance:** The Contractor shall purchase and maintain such insurance as will protect the Contractor and the University against any and all claims and demands arising from the execution of the contract. Further, when stated in the Detailed Specifications and Special Conditions, the Contractor shall be required to procure and maintain the types and limits of insurance as specified.
13. **Performance Bond/Irrevocable Letter of Credit:** If a performance bond or irrevocable letter of credit is required in the Detailed Specifications and Special Conditions, the Contractor shall furnish to the University, along with their signed contract, a performance bond or unconditional irrevocable letter of credit payable to the Curators of the University of Missouri in the face amount specified in the Detailed Specifications and Special Conditions as surety for faithful performance under the terms and conditions of the contract.

B. INSTRUCTIONS TO RESPONDENTS

1. **Request for Proposal (RFP) Document:** Respondents are expected to examine the complete RFP document and all attachments including drawings, specifications, and instructions. Failure to do so is at Respondent's risk. It is the Respondent's responsibility to ask questions, request changes or clarifications, or otherwise advise the University if any language, specifications or requirements of a RFP appear to be ambiguous, contradictory, and/or arbitrary, or appear to inadvertently restrict or limit the requirements stated in the RFP to a single source.

Any and all communications from Respondents regarding specifications, requirements, competitive proposal process, etc., should be directed to the University buyer of record referenced in this RFP. Written communication can be mailed to UM System Supply Chain, 2910 Lemone Industrial Blvd, Columbia, MO 65201 Attention: Kevin Summers, Strategic Sourcing Specialist; or emailed to Summersk@umsystem.edu. It is the responsibility of the person or organization communicating the request to ensure that it is received. To guarantee a timely response, such communication should be received at least ten calendar days prior to the proposal opening date.

The terms and conditions, as distributed by the University or made available on a University website, shall not be modified by anyone submitting a proposal. Regardless of any modification to these terms and conditions that may appear in the submitted proposal, the original University terms and conditions apply. Any exceptions to the terms and conditions shall be stated clearly and it is at the University's discretion whether the exception shall be accepted or shall invalidate the proposal.

The RFP document and any attachments constitute the complete set of specifications and proposal response forms. No verbal or written information that is obtained other than through this RFP or its addenda shall be binding on the University. No employee of the University is authorized to interpret any portion of this RFP or give information as to the requirements of the RFP in addition to that contained in or amended to this written RFP document. In case of any doubt or difference of opinion as to the true intent of the RFP, the decision of the University's Chief Procurement Officer shall be final and binding on all parties.

2. **Preparation of Proposals:** All proposals must be submitted, in two originals and one copy on a jump drive, on the proposal form accompanying these specifications and must be enclosed in a sealed envelope plainly marked: "Proposal for Virtual and Augmented Reality Lab RFP# 17 8010 KS K " and addressed, mailed and/or delivered to MU System Supply Chain, University of Missouri-Columbia, 2910 Lemone Industrial Blvd, Columbia, MO 65201 ATTN: Kevin Summers.

To receive consideration, proposals must be received, at the above address, prior to the proposal opening time and date stated in this RFP. Respondents assume full responsibility for the actual delivery of proposals during business hours at the specified address.

Unless otherwise specifically stated in the RFP, all specifications and requirements constitute minimum requirements. All proposals must meet or exceed the stated specifications or requirements. All equipment and supplies offered must be new, of current production, and available for marketing by the manufacturer unless the RFP clearly specifies that used, reconditioned, or remanufactured equipment and supplies may be offered. Unless specifically stated and allowed in the Detailed Specifications and Special Conditions, all pricing submitted in response to this RFP is firm and fixed.

Whenever the name of a manufacturer, trade name, brand name, or model and catalog numbers followed by the words "or equal" or "approved equal" are used in the specifications it is for the purpose of item identification and to establish standards of quality, style, and features. Proposals on equivalent items of the same quality are invited. However, to receive consideration, such equivalent proposals must be accompanied by sufficient descriptive literature and/or specifications to clearly identify the item and provide for competitive evaluation. The University will be the sole judge of equality and suitability. Whenever the name of a manufacturer is mentioned in the specifications and the words "or equal" do not follow, it shall be deemed that the words "or equal" follow unless the context specifies "no substitution." Unless noted on the proposal form, it will be deemed that the article furnished is that designated by the specifications. The University reserves the right to return, at contractor's expense, all items that are furnished which are not acceptable as equals to items specified and contractor agrees to replace such items with satisfactory items at the original proposal price.

Time will be of the essence for any orders placed as a result of this RFP. The University reserves the right to cancel any orders, or part thereof, without obligation if delivery is not made in accordance with the schedule specified by the Respondent and accepted by the University. Unless otherwise specified in the Detailed Specifications and Special Conditions, all proposals shall include all packing, handling, and shipping charges FOB destination, freight prepaid and allowed.

3. **Submission of Proposals:** Respondents shall furnish information required by the solicitation in the form requested. The University reserves the right to reject proposals with incomplete information or which are presented on a different form. All proposals shall be signed, in the appropriate location, by a duly authorized representative of the Respondent's organization. Signature on the proposal certifies that the Respondent has read and fully understands all proposal specifications, plans, and terms and conditions.

By submitting a proposal, the Respondent agrees to provide the specified equipment, supplies and/or services in the RFP, at the prices quoted, pursuant to all requirements and specifications contained therein. Furthermore, the Respondent certifies that: (1) the proposal is genuine and is not made in the interest of or on behalf of any undisclosed person, firm, or corporation, and is not submitted in conformity with any agreement or rules of any group, association, or corporation; (2) the Respondent has not directly or indirectly induced or solicited any other Respondent to submit a false or sham proposal; (3) the Respondent has not solicited or induced any person, firm, or corporation to refrain from responding; (4) the Respondent has not sought by collusion or otherwise to obtain any advantage over any other Respondent or over the University.

Modifications or erasures made before proposal submission must be initialed in ink by the person signing the proposal. Proposals, once submitted, may be modified in writing prior to the exact date and time set for the proposal closing. Any such modifications shall be prepared on company letterhead, signed by a duly authorized representative, and state the new document supersedes or modifies the prior proposal. The modification must be submitted in a sealed envelope marked "Proposal Modification" and clearly

identifying the RFP title, RFP number and closing time and date. Proposals may not be modified after the proposal closing time and date. Telephone and facsimile modifications are not permitted.

Proposals may be withdrawn in writing, on company letterhead, signed by a duly authorized representative and received at the designated location prior to the date and time set for proposal closing. Proposals may be withdrawn in person before the proposal closing upon presentation of proper identification. Proposals may not be withdrawn for a period of sixty (60) days after the scheduled closing time for the receipt of proposals.

All proposals, information, and materials received by the University in connection with an RFP response shall be deemed open records pursuant to 610.021 RSMo. If a Respondent believes any of the information contained in the Respondent's response is exempt from 610.021 RSMo, then the Respondent's response must specifically identify the material which is deemed to be exempt and cite the legal authority for the exemption, otherwise, the University will treat all materials received as open records. The University shall make the final determination as to what materials are or are not exempt.

- 4. Evaluation and Award:** Any clerical errors, apparent on its face, may be corrected by the Buyer before contract award. Upon discovering an apparent clerical error, the Buyer shall contact the Respondent and request clarification of the intended proposal. The correction shall be incorporated in the notice of award. The University reserves the right to request clarification of any portion of the Respondent's response in order to verify the intent. The Respondent is cautioned, however, that its response may be subject to acceptance or rejection without further clarification.

The University reserves the right to make an award to the responsive and responsible Respondent whose product or service meets the terms, conditions, and specifications of the RFP and whose proposal is considered to best serve the University's interest. In determining responsiveness and the responsibility of the Respondent, the following shall be considered when applicable: the ability, capacity, and skill of the Respondent to perform as required; whether the Respondent can perform promptly, or within the time specified without delay or interference; the character, integrity, reputation, judgment, experience and efficiency of the Respondent; the quality of past performance by the Respondent; the previous and existing compliance by the Respondent with related laws and regulations; the sufficiency of the Respondent's financial resources; the availability, quality and adaptability of the Respondents equipment, supplies and/or services to the required use; the ability of the Respondent to provide future maintenance, service and parts.

The University has established formal protest procedures. For more information about these procedures, contact the Buyer in Campus Procurement Services.

The University reserves the right to accept or reject any or all proposals and to waive any technicality or informality.

- 5. Contract Award and Assignment:** The successful Respondent shall, within ten (10) days after the receipt of formal notice of award of the contract, enter into a contract prepared by the University. The Contract Documents shall include the Notice to Bidders, Specifications and Addenda, Exhibits, Proposal Form, Form of Contract, Letter of Award, University Purchase Order, and Form of Performance Bond, if required.

The contract to be awarded and any amount to be paid thereunder shall not be transferred, sublet, or assigned without the prior approval of the University.

- 6. Contract Termination for Cause:** In the event the Contractor violates any provisions of the contract, the University may serve written notice upon Contractor and Surety setting forth the violations and demanding

compliance with the contract. Unless within ten (10) days after serving such notice, such violations shall cease and satisfactory arrangements for correction be made, the University may terminate the contract by serving written notice upon the Contractor; but the liability of Contractor and Surety for such violation; and for any and all damages resulting there from, as well as from such termination, shall not be affected by any such termination.

7. **Contract Termination for Convenience:** The University reserves the right, in its best interest as determined by the University, to cancel the contract by given written notice to the Contractor thirty (30) days prior to the effective date of such cancellation.
8. **Warranty and Acceptance:** The Contractor expressly warrants that all equipment, supplies, and/or services provided shall: (1) conform to each and every specification, drawing, sample or other description which was furnished or adopted by the University, (2) be fit and sufficient for the purpose expressed in the RFP, (3) be merchantable, (4) be of good materials and workmanship, (5) be free from defect. Such warranty shall survive delivery and shall not be deemed waived either by reason of the University's acceptance of or payment for such equipment, supplies, and/or services.

No equipment, supplies, and/or services received by the University pursuant to a contract shall be deemed accepted until the University has had a reasonable opportunity to inspect said equipment, supplies and/or services. All equipment, supplies, and/or services which do not comply with specifications and/or requirements or which are otherwise unacceptable or defective may be rejected. In addition, all equipment, supplies, and/or services which are discovered to be defective or which do not conform to any warranty of the Contractor upon inspection (or at any later time if the defects contained were not reasonably ascertainable upon the initial inspection) may be rejected.

9. **Payment:** Preferred settlement method is through the use of Electronic Accounts Payable solutions. Payment terms associated with these forms of payment will be issued as net 15 after the date of invoice. Payment terms associated with settlement by check will be considered to be net 30 days. Cash discounts for prompt payment may be offered but they will not be considered in determination of award unless specifically stated in the Detailed Specifications and Special Conditions. The University may withhold payment or make such deductions as may be necessary to protect the University from loss or damage on account of defective work, claims, damages, or to pay for repair or correction of equipment or supplies furnished hereunder. Payment may not be made until satisfactory delivery and acceptance by the University and receipt of correct invoice have occurred.
10. **Accounting Practices:** The Contractor shall maintain, during the term of the contract, all books of account, reports, and records in accordance with generally accepted accounting practices and standard for records directly related to this contract. The Contractor agrees to make available to the University, during normal business hours, all books of account, reports and records relating to this contract for the duration of the contract and retain them for a minimum period of one (1) year beyond the last day of the contract term.
11. **Debarment and Suspension Certification** - The contractor certifies to the best of its knowledge and belief that it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency in accordance with Executive Order 12549 (2/18/86)

UNIVERSITY OF MISSOURI DETAILED SPECIFICATIONS

INTRODUCTION

The Curators of the University of Missouri, a public organization, propose to contract on behalf of the University of Missouri Kansas City School of Computing and Engineering (referred to as “University”) with an organization (referred to as “Contractor”) to provide SCALABLE virtual and augmented reality SOLUTIONS for the Development of a LAB as described herein.

PROJECT

UMKC School of Computing and Engineering seeks a Contractor for the development of a virtual and augmented reality lab in Flarsheim Hall.

BACKGROUND

This document describes the requirements of the needed scalable Augmented Reality and Virtual Reality (jointly referred to as AVR) lab for the School of Computing and Engineering. The AVR lab will include an education-training space and a showroom. The AVR will educate, train and build local capability and capacity in the field of scalable AVR solutions for the School of Computing and Engineering.

The platform should support AVR application development for education, training and R&D using a set of scalable Virtual Reality and Augmented Reality systems ranging from a fully immersive CAVE (Computer Aided Virtual Environment) turn-key solution to personal desktop Virtual Reality systems as well as mobile augmented reality tablets and wearables. The School of Computing and Engineering desires not only technological features but also how the contractor of the AVR platform can give evidence on how its solutions have been used in applications within the Industry and Education markets.

PROJECT SPECIFICATIONS

In order to be able to effectively educate and train local resources to design, develop and deploy scalable Augmented and Virtual Reality (AVR) solutions, the contractor of the AVR platform should not only be a vendor of technology but also be able to show proof of the implementation of its AVR platform – software, systems and applications – within Industry and Education sectors. Therefore, the following overall components are needed:

- A **Virtual Showroom**, with a set of AVR Systems, scalable from phone to dome, including but not limited to:
 - VR workbench system
 - Mobile immersive 4-wall virtual reality system (CAVE)

- Gesture based interaction AR system (Interactive Mirror)
- VR system with screen (optimized for 3D visualization), 3D projection, and other software/hardware needed to run system
- 3 head mounted display VR systems
- Mobile augmented reality solutions (tablets)
- A **Development Lab**, including a suite of AVR Development Software, for both advanced users as well as non-technical users, with 25 workstations
- A suite of **Virtual Reality Peripherals** supported by the AVR software
- An **AVR Platform** for volume users, including a set of AVR software and AVR applications
- Five (5) years of **Maintenance and Support** for included AVR software and hardware, including software and security **Updates**
- A comprehensive **Education and Training Program** including a **Curriculum** for AVR development and **Manpower** with teaching experience in AVR.

Item	Overall Criteria for Contractor / Vendor
1.	Contractor must have at least five (5) years of direct experience and a track record in providing Virtual Reality and Augmented Reality education and training facilities, showroom, and educational programs included in order to educate and train students and build local capability and capacity in the field of scalable AVR (Augmented and Virtual Reality) solutions.
2.	Contractor must be able to provide skilled teaching resources and project managers for two years (with an option for additional years) in the field of AVR, with proven experience from teaching subjects in the field of both AR and VR, as well as related 3D technologies.
3.	Contractor must be able to provide five (5) years of Maintenance and Support for included AVR software and hardware, including software and security Updates.
4.	Contractor must provide a complete validated AVR Curriculum at no cost that has been accredited with other academic institutions and that covers the following topics: <ul style="list-style-type: none"> ● General knowledge of virtual reality ● 3D Content Creation ● VR Reality tools ● Mobile devices

	<ul style="list-style-type: none"> • Mobile applications creation with VR Studio • Data conversion and optimization • Skills in installation and integration of the new technologies
5.	Contractor must have at least five (5) years of direct experience and a track record in the design and development of commercial off-the-shelf (COTS) AVR (Augmented and Virtual Reality) software.
6.	Contractor must have at least five (5) years of direct experience and a track record in the design and development of and installation of multi-projector Virtual Reality display systems.
7.	Contractor must have at least five (5) years of direct experience and a track record in the design and development of VR and AR Projects for Industry and Education markets.
8.	Contractor shall be able to provide a list of academic institutions which are using its Virtual Reality platform (software and/or display systems).
9.	Contractor must own the IP (intellectual property) of the provided Virtual Reality software.
10.	Contractor must own the trademarks and design rights of the provided Virtual Reality displays systems.
11.	Contractor must have the in-house ability to develop content , i.e. Virtual Reality models and applications and show examples of such content for Industry and Education.

PROPOSAL EVALUATION

Selection criteria are outlined below and will be used to evaluate proposals.

- Responsiveness to work scope and project specifications, particularly the ability to provide equipment, software and support
- Demonstrated experience and expertise in similar projects, particularly within higher education
- Portfolio of relevant partnerships and projects
- Quality of personnel assigned: bios, qualifications
- Cost effectiveness

CRITERIA FOR SELECTION

The selection committee will evaluate responses against the limiting criteria. If respondent meets the requirements of the limiting criteria their offer will be evaluated against the evaluation criteria and scored. The committee will decide which respondents offers are best capable of meeting the general evaluation criteria and make a decision which firms are acceptable or are not acceptable. The decision of the committee will be final.

Limiting Criteria

- Minimum five years of experience working with universities/colleges to develop AVR labs.
- Ability to provide the hardware, software and equipment needed.
- Ability to provide an education and training program and the manpower to deliver that program.
- Ability to provide the maintenance and support needed.

Evaluation Criteria

- Brief description of your organization's structure and capabilities; length of time in business
- Describe in detail your hardware, software, maintenance and training capability, and your education and training curriculum.
- Describe your manpower to deliver teaching in AVR
- Introduce your proposed project team, including consultants. Provide resumes of all personnel assigned to the project including specific experience that each team member would contribute to the project. Identify and define their individual roles.
- Provide three case studies of your firm providing similar services. These case studies should include a brief description and a discussion of the outcome.
- Submit a suggested schedule with your proposal for the project that includes critical milestones that must be met in order to get the lab fully functional.
- References: Supply at least three references that have used your professional services for a similar project. Include a contact name, address, and a contact phone number.
- Describe all costs associated with the furnishing of this lab.

INSTRUCTIONS FOR PROPOSAL RESPONSE:

Respondents are required to fully respond with compliance statements to each of the limiting criteria. Respondents are required to fully respond with **description of ability to meet (and how) evaluation criteria.**

Respondents must be clear and concise in responses in order to be fully credited in the evaluation. Attach and reference any relevant documentation that would ensure the evaluating committee that specifications are met. If “no response” or insufficient response to substantiate compliance is provided, the University reserves the sole right to reject vendor’s proposal from further consideration. Do not include responses that are superfluous or irrelevant to the specific question asked. These are not valuable in the volume of information the various evaluating teams must review.

Multiple copies of Proposals must be submitted in the number and manner as specified below:

Volume I – Functional Technical Section is to be submitted with 3 (three) total copies, two original **and one electronic file (jump drive)**, and must contain:

- Response to Instructions to Respondents and General Conditions, limiting criteria and vendor responses, and Desirable Specifications and vendor responses. If there is any vendor related contracts that must be signed as part of doing business, it should also be included in this section. **This section includes all response information, except pricing information.**

Volume II - Financial Response Section must be submitted in a separately sealed envelope in two original, and **one electronic file** and contain:

- Proposal Form with any supplemental pricing schedules, if applicable, and Financial Summary including additional costs, if any, for evaluation criteria Compliance, functional or technical. This section should also include the MBE/WBE commitment response. Financial statements that may be required are also to be included in this section.

Vendor must complete and return the University Proposal Form with proposal response. Vendor quote sheets are not acceptable forms of bidding and could cause rejection of response.

PROPOSAL FORM

(Name of firm or individual responding)

REQUEST FOR PROPOSALS
FOR
VIRTUAL AND AUGMENTED REALITY LAB
FOR
THE CURATORS OF THE UNIVERSITY OF MISSOURI
FOR
THE UNIVERSITY OF MISSOURI- KANSAS CITY
RFP #17-8010-KS-K
OPENING DATE: JANUARY 23, 2017
TIME: 2:00 PM, CT

The undersigned proposes to furnish the following items and/or services at the prices quoted and agrees to perform in accordance with all requirements and specifications contained within this Request for Proposal issued by the University of Missouri.

Respondents shall provide itemized pricing pages in Volume #2 per instructions.

Respondents are to describe and list all costs associated with implementing their proposed AVR solution to include equipment, software, maintenance, licensing, training, and support.

AUTHORIZED RESPONDENT REPRESENTATION FORM

Number of calendar days delivery after receipt of order	Payment Terms
Authorized Signature	Date
Printed Name	Title
Company Name	
Mailing Address	
City, State, Zip	
Phone No.	Federal Employer ID No.
Fax No.	E-Mail Address
Circle one: Individual Partnership Corporation	
If a corporation, incorporated under the laws of the State of _____	
Licensed to do business in the State of Missouri? ___yes ___no	

This signature sheet must be returned with your proposal.

SUPPLIER DIVERSITY PARTICIPATION FORM

The contractor/supplier must indicate below the percentage of diverse supplier participation committed to in relation to the total dollar value of the contract. Please provide this information whether the contractor/supplier is awarded one, some, or all of the categories being proposed. Overall the diverse supplier participation must not be contingent upon award of a specific category. The contractor/supplier, if awarded a contract, must be able to achieve the stated participation for the resulting contract regardless of the categories awarded or not awarded. The contractor/supplier must be able to achieve participation stated below for the total value of the awarded contract(s). If the contractor/supplier is a certified diverse supplier, the contractor/supplier may indicate 100% participation below. We also ask that a diverse supplier we contract with directly provide us with any supplier diversity participation your firm does that helps to fulfill the contract. Listed below are definitions of direct versus indirect 2nd Tier spending:

- **Direct 2nd Tier spending:** This is diverse supplier spending by a first tier supplier of goods and/ or services that directly fulfills a UM contract. The principle to follow— if the diverse supplier spending by the first tier supplier can be traced and tracked specifically to the contract, this is direct 2nd tier spending.
 - a. Example: Company A is a prime supplier that sells UM Health System medical supplies. Masks that are supplied to fulfill the contract come from a woman-owned business. This would be called direct 2nd tier as the purchase is directly fulfilling the contractual obligation.
 - b. Example: Company B is a prime supplier of office products to UM. Ink pens that are supplied are provided by a minority-owned business. This would also be direct 2nd Tier. Dollars can be tracked and traced to fulfilling the contract.

- **Indirect 2nd Tier spending:** Calculates the 2nd Tier spending by prorating the prime supplier's company-wide diverse supplier spending with the percentage of its total business represented by the customer company's business.
 - a. Example: Company A spends \$100,000 with a Veteran-owned landscaping company. UM comprises 20% of that company's/subsidiary's business revenue. Company A can report \$20,000 of the amount spent for landscaping as part of its reporting to UM.
 - b. Example: Company B spends \$150 million dollars in diverse supplier spending for its enterprise. UM comprises 1% of Company B's overall revenue. Company B can the report 1% (\$1.5 million) as supplier diversity spending to UM.

The contractor/ supplier is committing to the following diverse supplier participation on this proposal:

Complete the following table indicating the suppliers that will be used as direct subcontractors to meet the participation levels indicated. If you are committing to indirect 2nd tier spending, please list as “indirect” under supplier name and indicate what percentage you will target. If your company will not have a supplier diversity component, please indicate that below as well.

Supplier Name	% of Contract	Specify 1st or 2nd Tier

-----**THIS FORM MUST BE SUBMITTED WITH THE RESPONSE**-----

Supplier Diversity Certifying Agencies

The list below provides a list of agencies that do certification for MBE, WBE, DBE, Veteran and Veteran Service Disabled businesses. Bidders are responsible for obtaining information regarding the certification status of a firm for the prospective sub-contractor being used. A list of certified firms may also be obtained from many of the agencies listed below, including the State of Missouri's websites for M/WBE's and Service-Disabled Veterans.

State of Missouri Office of Equal Opportunity
P.O. Box 809, Harry S. Truman office Building
Room 630, 301 W. High Street
Jefferson City, MO. 65102
573-751-8130
www.oeo.mo.gov

Missouri M/WBE Certification and database
State of Missouri Office of Administration
Division of Purchasing & Materials Management
P.O. Box 809
Jefferson City, MO 65102
573-751-3273
www.oa.mo.gov/purchasing-materials-management
Missouri Service Disabled Veterans Website

State of Kansas Department of Commerce
M/WBE and DBE Department
1000 S.W. Jackson St. Suite 100
Topeka, KS. 60612
785-296-3425
www.kansascommerce.com
Kansas M/WBE and DBE database and certification

Missouri Department of Transportation
External Civil Rights
1017 Missouri Blvd
Jefferson City, MO. 65102
573-526-2978
www.modot.org/ecr
Missouri DBE database and certification

Lambert St. Louis International Airport
4610 N. Lindbergh, Suite 240
Bridgeton, MO 63044
314-551-5000
www.mwdbe.org
St. Louis M/WBE and DBE database and certification

City of Kansas City Missouri
MBE/WBE Division
414 E. 12th St
Kansas City, MO. 64106
816-513-1313
Kansas City M/W/DBE database and certification
www.kcmo.gov/humanrelations/resources

St. Louis Development Corporation
1520 Market St. Suite 2000
St. Louis, MO. 63103
314-657-3700
www.stlouis-0mo.gov/slhc
Certification help for M/WBE suppliers in St. Louis area.

Mid-States Minority Supplier Development Council
317 N. 11th St. Suite 502
St. Louis, MO. 63101
314-436-8877
www.midstatesmsdc.org
MBE certification for St. Louis based corporations/database available for a fee

Mountain Plains Minority Supplier Council
777 Admiral Blvd.
Kansas City, MO. 64106
816-221-4200
www.mpmsdc.org
MBE certification for Kansas City based corporations/database available for a fee

U.S. Small Business Administration-Kansas City
1000 Walnut Suite 500
Kansas City, MO. 66106
816-426-4900
<http://www.sba.gov/about-offices-content/2/3123>
Kansas City SBA Office. Info for Federal Gov. Certification

U.S. Small Business Administration-St. Louis
1222 Spruce St. Suite 10.103
St. Louis, MO. 63103
314-539-6600
<http://www.sba.gov/about-offices-content/2/3124>
St. Louis SBA Office. Info for Federal Gov. Certification.

U.S. Veterans Business Administration
Veteran and Service Disabled Veteran Database and verification
www.vetbiz.gov
U.S. database of Veteran and Service Disabled Veteran Businesses

St. Louis Minority Business Council
308 N. 21st St, 7th floor
St. Louis, MO. 63101
314-241-1143
www.slmbc.org
St. Louis MBE certifying agency/database access for a fee

Women's Business Development Center (WBENC)-Chicago
8 S. Michigan Ave Suite 400
Chicago, Illinois 60603
312-853-3477
www.wbdc.org
Certification for WBE's in the Missouri area

SUPPLIER REGISTRATION INFORMATION

Completion of this section is strongly encouraged. Please review and check ALL applicable boxes.

SMALL BUSINESS CONCERN: Yes No

The term “small business concern” shall mean a business as defined pursuant to Section 3 of the Small Business Act and relevant regulations issued pursuant thereto. Generally, this means a small business concern organized for profit, which is independently owned and operated, is not dominant in the field of operations in which it is bidding. We would consider any firm with 500 employees or less a “small business concern”.

WOMAN OWNED BUSINESS (WBE): Yes No

A woman owned business is defined as an organization that is 51% owned, controlled and/or managed, by a woman. The determination of WBE status depends solely on ownership and operation and is not related to employment. The firm should be certified by a recognized agency (e.g., state, local, federal, etc.). Please see Public Law 106-554 for more detail.

MINORITY BUSINESS ENTERPRISE (MBE): Yes No

A minority business is defined as an organization that is 51% owned, controlled and/or managed by minority group members. The determination of minority status depends solely on ownership and operation and is not related to employment. The firm should be certified by a recognized agency (e.g., state, local, federal, etc.). Please see Public Law 95-507 for more detail. Place an X by the appropriate space below.

1. Asian-Indian - A U.S. citizen whose origins are from India, Pakistan and Bangladesh (A)

2. Asian-Pacific - A U.S. citizen whose origins are from Japan, China, Indonesia, Malaysia, Taiwan, Korea, Vietnam, Laos, Cambodia, the Philippines, Thailand, Samoa, Guam, the U.S. Trust Territories of the Pacific or the Northern Marianas. _____ (P)

3. Black - A U.S. citizen having origins in any of the Black racial groups of Africa. _____ (B)

4. Hispanic - A U.S. citizen of true-born Hispanic heritage, from any of the Spanish-speaking areas Mexico, Central America, South America and the Caribbean Basin only. _____ (H)

5. Native American - A person who is an American Indian, Eskimo, Aleut or Native Hawaiian, and regarded as such by the community of which the person claims to be a part. _____ (N)

A Veteran or Service Disabled Veteran business is defined as an organization that is 51% owned, controlled and/or managed by Veterans. The firm should be certified by a recognized agency (e.g., state, local, federal, etc.). Please see Public Law 109-461 for more detail.

VETERAN BUSINESS ENTERPRISE _____Yes _____No

SERVICE DISABLED VETERAN BUSINESS ENTERPRISE _____Yes _____No

Please include what organization your firm has secured certification from with a certification number and date it expires. _____

MISSOURI FIRM: _____Yes _____No

A Missouri Firm is defined as an organization which has and maintains within the State of Missouri a regular place of business for the transaction of their business.

BUSINESS TYPE:

- Manufacturer _____ (M)
- Distributor/Wholesaler _____ (D)
- Manufacturer's Representative _____ (F)
- Service _____ (S)
- Retail _____ (R)
- Contractor _____ (C)
- Other _____ (O)

SOLE PROPRIETORSHIP: _____ Yes _____ No

SUPPLIER'S CERTIFICATION:

The undersigned hereby certifies that the foregoing information is a true and correct statement of the facts and agrees to abide by the laws of the State of Missouri and the rules and regulations of the University of Missouri System now in effect including any subsequent revisions thereof. Supplier acknowledges that it is his/her responsibility to keep the information current by notifying the University of Missouri of any changes. The supplier also acknowledges that repeated failure to respond to Invitation to Bids may result in removal from the bid lists.

Signature of Person Authorized to Sign this Supplier Registration Information Form

Title: _____

Date: _____