

## GRANT APPLICATION SUMMARY SHEET

**Grant Name:** A Community-in-the-Loop Approach to Leveraging AI for Efficient and Equitable Response Systems 23-24

**Department:** INFORMATION TECHNOLOGY SERVICES

**Grantor:** National Science Foundation

**Pass-Through Grantor (If applicable):**

**Total Applied For:** \$194,435.00

**Metro Cash Match:** \$0.00

**Department Contact:** Colleen Herndon  
8626246

**Status:** NEW

**Program Description:**

The primary goal of public safety emergency response proposal is to support dispatch of the right help to the right place at the right time, every time. Metro’s Department of Emergency Communications, Information Technology Services, and Fire Department are joining forces with Vanderbilt and Rutgers Universities to develop and pilot an efficient and equitable Artificial Intelligence (AI) solution to give callers an option for an automated response for routine, non-emergency requests, allowing dispatchers the opportunity to answer emergency calls more quickly. This proposal suggests a pilot of three components resulting in a single solution resulting in a faster emergency response. 1. Metro Nashville Department of Emergency Communications utilizing artificial intelligence to identify and process simple, non-emergency calls, allowing public safety dispatchers time to answer 9-1-1 calls. 2. Testing of enhancements to computer aided dispatch (CAD) program to automate the collection of vehicle response times, supporting the goal of having more accurate response times for NFD. 3. Metro Nashville Fire Department utilizing drone technology to investigate a variety of scenes (i.e., large structure fires, hazard materials incidents), enabling faster assessment of emergency scenes for faster resolution and faster return to service for emergency responders and related equipment.

**Plan for continuation of services upon grant expiration:**

If this proof of concept is successful, then the software would be moved from test equipment (servers) to production. The proposal includes integrations required for the AI solution (to integrate the AI bot into Metro's telephony system and then to integrate the call details into hubNashville) to be developed by Presidio, a current Metro vendor. Presidio would then provide ongoing support for the solution as a part of their existing communications support. The intent of the drone pilot includes the development and pilot of policies and procedures to support continuation of service after completion of a successful pilot.

**APPROVED AS TO AVAILABILITY OF FUNDS:**

**APPROVED AS TO FORM AND LEGALITY:**

Kelly Flannery/mjw 2/27/2023 | EJ TE  
**Director of Finance** **Date**

2/28/2023 | 4:04 PM CST  
Courtney Mohan  
**Metropolitan Attorney** **Date**

**APPROVED AS TO RISK AND INSURANCE:**

Balagun Cobb 2/28/2023 | KW  
**Director of Risk Management Services** **Date**

2/28/2023 | 11:55 AM PST  
John Cooper  
**Metropolitan Mayor** **Date**  
*(This application is contingent upon approval of the application by the Metropolitan Council.)*

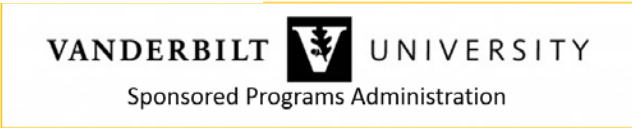
**Grants Tracking Form**

Part One					
Pre-Application <input type="radio"/>		Application <input checked="" type="radio"/>		Award Acceptance <input type="radio"/>	
Contract Amendment <input type="radio"/>					
Department	Dept. No.	Contact	Phone	Fax	
INFORMATION TECHNOLOGY SERV	014	Colleen Herndon	8626246		
<b>Grant Name:</b>	A Community-in-the-Loop Approach to Leveraging AI for Efficient and Equitable Response Systems 23-24				
<b>Grantor:</b>	National Science Foundation		<b>Other:</b>		
<b>Grant Period From:</b>	10/01/23	(applications only) Anticipated Application Date:		02/27/23	
<b>Grant Period To:</b>	09/30/24	(applications only) Application Deadline:		03/01/23	
<b>Funding Type:</b>	FED DIRECT	<b>Multi-Department Grant</b>		<input checked="" type="checkbox"/> <b>If yes, list below.</b>	
<b>Pass-Thru:</b>		<b>Outside Consultant Project:</b>		<input type="checkbox"/>	
<b>Award Type:</b>	COMPETITIVE	<b>Total Award:</b>		\$194,435.00	
<b>Status:</b>	NEW	<b>Metro Cash Match:</b>		\$0.00	
<b>Metro Category:</b>	New Initiative	<b>Metro In-Kind Match:</b>		\$0.00	
<b>CFDA #</b>		<b>Is Council approval required?</b>		<input type="checkbox"/>	
<b>Project Description:</b>	<b>Applic. Submitted Electronically?</b> <input type="checkbox"/>				
<p>The primary goal of public safety emergency response proposal is to support dispatch of the right help to the right place at the right time, every time. Metro's Department of Emergency Communications, Information Technology Services, and Fire Department are joining forces with Vanderbilt and Rutgers Universities to develop and pilot an efficient and equitable Artificial Intelligence (AI) solution to give callers an option for an automated response for routine, non-emergency requests, allowing dispatchers the opportunity to answer emergency calls more quickly.</p> <p>This proposal suggests a pilot of three components resulting in a single solution resulting in a faster emergency response.</p> <ol style="list-style-type: none"> <li>1. Metro Nashville Department of Emergency Communications utilizing artificial intelligence to identify and process simple, non-emergency calls, allowing public safety dispatchers time to answer 9-1-1 calls.</li> <li>2. Testing of enhancements to computer aided dispatch (CAD) program to autoamte the collection of vehicle response times, supporting the goal of having more accurate response times for NFD.</li> <li>3. Metro Nashville Fire Department utilizing drone technology to investigate a variety of scenes (i.e., large structure fires, hazard materials incidents), enabling faster assessment of emergency scenes for faster resolution and faster return to service for emergency responders and related equipment.</li> </ol>					
<b>Plan for continuation of service after expiration of grant/Budgetary Impact:</b>					
<p>If this proof of concept is successful, then the software would be moved from test equipment (servers) to production. The proposal includes integrations required for the AI solution (to integrate the AI bot into Metro's telephony system and then to integrate the call details into hubNashville) to be developed by Presidio, a current Metro vendor. Presidio would then provide ongoing support for the solution as a part of their existing communications support. The intent of the drone pilot includes the development and pilot of policies and procedures to support continuation of service after completion of a successful pilot.</p>					
<b>How is Match Determined?</b>					
<b>Fixed Amount of \$</b>		or		<b>% of Grant</b>	
				<b>Other:</b> <input checked="" type="checkbox"/>	
<b>Explanation for "Other" means of determining match:</b>					
There is no match required or suggested in this proposal.					
<b>For this Metro FY, how much of the required local Metro cash match:</b>					
<b>Is already in department budget?</b>		<b>Fund</b>		<b>Business Unit</b>	
<input type="checkbox"/>					
<b>Is not budgeted?</b>		<b>Proposed Source of Match:</b>			
<input type="checkbox"/>					
<b>(Indicate Match Amount &amp; Source for Remaining Grant Years in Budget Below)</b>					
<b>Other:</b>					
<b>Number of FTEs the grant will fund:</b>		0.00		<b>Actual number of positions added:</b>	
				0.00	
<b>Departmental Indirect Cost Rate</b>		4.92%		<b>Indirect Cost of Grant to Metro:</b>	
				\$9,566.20	
<b>*Indirect Costs allowed?</b> <input type="radio"/> Yes <input checked="" type="radio"/> No		<b>% Allow.</b>		<b>Ind. Cost Requested from Grantor:</b>	
		0.00%		\$0.00 <b>in budget</b>	
<b>*(If "No", please attach documentation from the grantor that indirect costs are not allowable. See Instructions)</b>					
<b>Draw down allowable?</b> <input type="checkbox"/>					
<b>Metro or Community-based Partners:</b>					

Part Two										
Grant Budget										
Budget Year	Metro Fiscal Year	Federal Grantor	State Grantor	Other Grantor	Local Match Cash	Match Source (Fund, BU)	Local Match In-Kind	Total Grant Each Year	Indirect Cost to Metro	Ind. Cost Neg. from Grantor
Yr 1	FY24	\$194,435.00	\$0.00	\$0.00	\$0.00		\$0.00	\$194,435.00	\$9,566.20	\$0.00
Yr 2	FY__									
Yr 3	FY__									
Yr 4	FY__									
Yr 5	FY__									
<b>Total</b>		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$194,435.00	\$9,566.20	\$0.00
<b>Date Awarded:</b>					<b>Tot. Awarded:</b>			<b>Contract#:</b>		
(or) <b>Date Denied:</b>					<b>Reason:</b>					
(or) <b>Date Withdrawn:</b>					<b>Reason:</b>					

Contact: [luanita.paulsen@nashville.gov](mailto:luanita.paulsen@nashville.gov)  
[vaughn.wilson@nashville.gov](mailto:vaughn.wilson@nashville.gov)





## Subrecipient Statement of Collaborative Intent (SSCI)

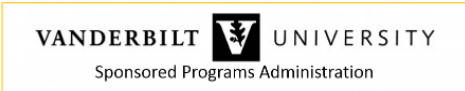
**Part I (PAGE 1): ALL subrecipients/subcontractors complete.**

SUBRECIPIENT INFORMATION													
<p><u>Legal Name:</u>                      Institution Type: Select one of the following: U.S. Local Government                      Member of the FDP Expanded Clearinghouse? <input type="checkbox"/>                      Address:                       Subrecipient PI: N/A- there is not a Metro PI                      Address:                      Email:</p>	<p><u>Authorized Official Name:</u>                      Address: Keith Durbin                       Email: keith.durbin@nashville.gov   <u>Financial Contact Name:</u>                      Address: Gregg Nicholson                      Email: gregg.nicholson@nashville.gov</p>												
PROJECT INFORMATION													
<p><u>VU PI:</u> Prof. Meiyi Ma                      VERA Funding Proposal #: FP00003422                      Prime Sponsor: NSF</p>	<p><u>Project Title:</u> CIVIC-FA Track B: Creating an AI-based Community-wide Efficient and Equitable Response System                      Subrecipient Total Proposed Amount: \$ 194,435                      Subrecipient Project Period: 10/1/2023-9/30/2024</p>												
PROPOSAL DOCUMENTS													
<p>The following document are included in our subaward proposal and covered by the certifications below:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <input checked="" type="checkbox"/> Scope of Work (Required)  <input checked="" type="checkbox"/> Budget and Justification (Required)  <input checked="" type="checkbox"/> Key Personnel Biosketches (As applicable per sponsor requirements)  <input checked="" type="checkbox"/> Current and Pending Support (As applicable per sponsor requirements)                             </td> <td style="width: 50%; vertical-align: top;"> <p><b>IF APPLICABLE:</b></p> <input type="checkbox"/> Required Cost-Sharing? AMOUNT: \$  <input type="checkbox"/> Voluntary Cost-Sharing? AMOUNT: \$                             </td> </tr> </table>		<input checked="" type="checkbox"/> Scope of Work (Required) <input checked="" type="checkbox"/> Budget and Justification (Required) <input checked="" type="checkbox"/> Key Personnel Biosketches (As applicable per sponsor requirements) <input checked="" type="checkbox"/> Current and Pending Support (As applicable per sponsor requirements)	<p><b>IF APPLICABLE:</b></p> <input type="checkbox"/> Required Cost-Sharing? AMOUNT: \$ <input type="checkbox"/> Voluntary Cost-Sharing? AMOUNT: \$										
<input checked="" type="checkbox"/> Scope of Work (Required) <input checked="" type="checkbox"/> Budget and Justification (Required) <input checked="" type="checkbox"/> Key Personnel Biosketches (As applicable per sponsor requirements) <input checked="" type="checkbox"/> Current and Pending Support (As applicable per sponsor requirements)	<p><b>IF APPLICABLE:</b></p> <input type="checkbox"/> Required Cost-Sharing? AMOUNT: \$ <input type="checkbox"/> Voluntary Cost-Sharing? AMOUNT: \$												
CERTIFICATIONS <span style="float: right;"><i>Documentation of Subrecipient's approval(s) may be required</i></span>													
<p><b>Subrecipient's Scope of Work Includes:</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input type="checkbox"/> Human Subjects</td> <td style="width: 33%;"><input type="checkbox"/> Pending</td> <td style="width: 33%;">Approval Date:</td> </tr> <tr> <td><input type="checkbox"/> Vertebrate Animals</td> <td><input type="checkbox"/> Pending</td> <td>Approval Date:</td> </tr> <tr> <td><input type="checkbox"/> Human Embryonic or Induced Pluripotent Stem Cells</td> <td><input type="checkbox"/> Pending</td> <td>Approval Date:</td> </tr> <tr> <td colspan="3"><input type="checkbox"/> Project includes work covered by ITAR/EAR.</td> </tr> </table>		<input type="checkbox"/> Human Subjects	<input type="checkbox"/> Pending	Approval Date:	<input type="checkbox"/> Vertebrate Animals	<input type="checkbox"/> Pending	Approval Date:	<input type="checkbox"/> Human Embryonic or Induced Pluripotent Stem Cells	<input type="checkbox"/> Pending	Approval Date:	<input type="checkbox"/> Project includes work covered by ITAR/EAR.		
<input type="checkbox"/> Human Subjects	<input type="checkbox"/> Pending	Approval Date:											
<input type="checkbox"/> Vertebrate Animals	<input type="checkbox"/> Pending	Approval Date:											
<input type="checkbox"/> Human Embryonic or Induced Pluripotent Stem Cells	<input type="checkbox"/> Pending	Approval Date:											
<input type="checkbox"/> Project includes work covered by ITAR/EAR.													
INDIVIDUAL - EXCLUSIONS													
<p>Are the PI or any other employees or students participating in this project, debarred, suspended or otherwise excluded from or ineligible for participation in federal assistance programs or activities? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/></p> <p>If YES, please explain in Comment Section below.</p>													
COMMENTS													

**By signing below, I certify that I am the authorized institutional representative and the information and representations made herein are true and accurate. The appropriate programmatic and administrative personnel involved in this application are aware of agency policies in regard to subawards and are prepared to establish the necessary inter-institutional agreements consistent with those policies. Any work begun and/or expenses incurred prior to execution of a subaward agreement are at the subrecipient's own risk.**

\_\_\_\_\_  
 Signature of Subrecipient's Authorized Institutional Official  
 Date: \_\_\_\_\_

\_\_\_\_\_  
 Name and Title of Subrecipient's Authorized Institutional Official



### Subrecipient Statement of Collaborative Intent (SSCI)

#### Part II: Subrecipients/Subcontractors NOT participating in the FDP Clearinghouse Pilot complete.

#### CERTIFICATIONS

- Facilities & Administrative Rates** included in this proposal have been calculated based on the following:
  - Our federally negotiated F&A rate for this type of work. **Our negotiated rate agreement is provided.**
  - No federal negotiated rate and we hereby agree to accept the **10% de minimis MTDC rate** as a subrecipient.
  - A reduced F&A rate dictated by the prime sponsor that we hereby agree to accept. **Rate:** \_\_\_\_\_ **Base:** \_\_\_\_\_
  - Not applicable (no indirect cost are requested). **If checked, please specify rationale in Comment Section.**
  - Indirect costs are not separately requested as costs are fully burdened.
- Fringe Benefit Rates** included in this proposal have been calculated based on the following:
  - Rates are consistent with our federally negotiated rates. **Our negotiated rate agreement is attached.**
  - Other rates (**please specify in Comment Section** the basis on which the rate has been calculated).
  - Fringe Benefits are not separately requested as costs are fully burdened.
- CONFLICT OF INTEREST – PLEASE ATTACH either 1) your institution’s COI Policy OR 2) the PHS Financial Disclosure & Training Form**
  - National Science Foundation (NSF) - Financial Conflict of Interest - Applicable to projects funded by NSF, including NSF flow-through or any sponsor following NSF’s COI Policy.**
    - Subrecipient organization/institution hereby certifies that it **HAS** an active and enforced *policy on Conflict of Interest* consistent with the provision of NSF Award & Administration Guide Chapter IV.A. **\*\*Please attach COI Policy - copy or link.**
    - Subrecipient does **NOT** have an active and/or enforced *Conflict of Interest policy* and hereby agrees to abide by **VU’s policy**. To comply with **VU’s policy** as it pertains to financial conflict of interests, **please attach a completed PHS Disclosure Form.**
  - Public Health Service (PHS) – Financial Conflict of Interest - Applicable to projects funded by PHS/NIH, or any sponsor following PHS.**
    - Subrecipient organization/institution hereby certifies that it **HAS** an active and enforced policy on Conflict of Interest consistent with the provision of 42 CFR Part 50 Subpart F. **\*\*Please attach COI Policy - copy or link.**
    - Subrecipient does **NOT** have an active and/or enforced Conflict of Interest policy and hereby agrees to abide by **VU’s policy**. To comply with **VU’s policy** as it pertains to PHS financial conflict of interests, **please attach a completed PHS Disclosure Form.**
  - Any other Funding Agency – Financial Conflict of Interest**
    - Subrecipient organization/institution **HAS** a *policy on Conflict of Interest*, but it is NOT consistent with NSF or PHS requirements. **\*\*Please attach COI Policy - copy or link.** <https://www.nashville.gov/departments/metro-clerk/legal-resources/executive-orders/mayor-megan-barry/mb005>
    - Subrecipient organization/institution does **NOT** have an active and/or enforced *Conflict of Interest policy* and hereby agrees to abide by **VU’s policy**. To comply with **VU’s policy** as it pertains to PHS financial conflict of interests, **please attach a completed PHS Disclosure Form.**
- Ethics in Research Training** (Per discussion with Vanderbilt, neither option below is applicable to Metro Nashville Davidson County, therefore options will be intentionally left blank)
 

**Applicable to projects funded by NSF or any other programs requiring Ethics in Research Training.**

  - Not applicable because this project is not being funded by NSF or any other programs requiring Ethics in Research Training.
  - Subrecipient organization/institution hereby certifies that it will ensure that all undergraduates, graduate students, and postdoctoral researchers who will be supported by this NSF proposal will be trained on the oversight in the responsible and ethical conduct of research.

#### AUDIT STATUS

- Was the subrecipient required to conduct an annual audit in accordance with the *Single Audit Act or Uniform Guidance Subpart F, Audit Requirements* for the most recent Audit year? \*YES  NO 
  - Was an audit in accordance with the *Single Audit Act* completed for the most recent fiscal year? Yes  No
  - Were there any audit findings reported?..... Yes  No  **If Yes, please clarify in the comments**

**\* If YES is checked,** a complete copy of subrecipient’s most recent audit report, or the Internet URL link to a complete copy, must be furnished to VU before a subaward will be issued. **URL:** <https://www.nashville.gov/departments/finance/division-accounts/single-audit-report>

**If NO audit was completed OR If Subrecipient is NOT subject to the Single Audit Act or Uniform Guidance,** then additional methods may be required to assess compliance.

#### COMMENTS

Metro is not requesting indirect costs; time spent by Metro personnel on the project align with existing roles.

#### SUBRECIPIENT INSTITUTIONAL INFORMATION

- Is subrecipient currently registered in Central Contractor Registration via SAM? ([www.sam.gov](http://www.sam.gov))  YES  NO **If no, please begin registration in Sam.gov**
- UEI #:** 0782176680000
- EIN #:** 62-0694743
- The year in which the current iteration of this Institution was established? 1963

#### ORGANIZATIONAL - EXCLUSIONS

The Organization Certifies they (answer all questions below):

- are  are not presently debarred, suspended, proposed for debarment, or declared ineligible for award of federal contracts.
- are  are not presently indicted for, or otherwise criminally or civilly charged by a government agency.
- have  have not within three (3) years preceding this offer, been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) contract or subcontract; violation of Federal or State antitrust statutes relating to the submission of offers; or commissions of contract or subcontract; violation of Federal or State antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements or receiving stolen property.
- have  have not within 3 years preceding this offer, had one or more contracts terminated for default by any federal agency.



## SUPPLEMENT – FOR SUBRECIPIENTS NOT SUBJECT TO UNIFORM GUIDANCE AUDITS

As a subrecipient of federal funds from Vanderbilt University, you have indicated that your organization is not subject to the U.S. Federal Office of Management and Budget Uniform Guidance 2CFR Part 200 Subpart F audit requirements. Complete the following questionnaire and submit all related documents as necessary; use a separate response page as needed. **All responses and documents must be provided in English.**

**NOTE:** No subaward agreement will be issued by the University until both the supplemental audit questionnaire and the organization’s most recent financial statement have been provided.

### *Section A: Audits and Financial Statements*

1. Does your organization have its financial statements audited or reviewed by an independent accounting firm?

YES: If yes, submit a copy or link of the most recent reviewed or audited financial statement, audit opinion and communication to management.

Link

NO: If no, answer question 2

2. If you answered NO to question one, has your organization undergone a voluntary process audit within the past two years by a US governmental agency or an independent public accounting firm?

YES: If yes, provide a copy.

NO

3. Other than financial statements, has any aspect of your organization’s activities been audited within the last two years by a governmental agency or independent public accountant?

YES: If yes, please list the governing agency/accountant and scope of the audit

NO

4. Do you or your organization's financial staff have a working knowledge of the Uniform Guidance and other relevant US Federal guidelines that are applicable to the subaward or subcontract?

YES

NO

***Section B: Internal Controls***

5. How does your organization manage internal controls?

6. What review and risk assessment techniques does your organization have in place?

7. What actions do you take when instances of noncompliance are identified?

***Section C: Financial Management***

8. How is your organization remaining current with respect to changes in accounting and financial reporting requirements? Are there appropriate training mechanisms in place?

9. Does your organization have a financial management and records system that can identify the source and use of funds for Individual award-supported activities?

YES: If yes, please describe this system and process of identifying, separating, and tracking use of the funds

NO

10. Are duties at your organization separated so that no one individual has complete authority over the entire financial transaction?

YES

NO

11. How often does your organization reconcile its accounts?

12. How frequently are accounting entries posted to the General Ledger?

a. Daily

b. Weekly

c. Monthly

d. Other Explain:

13. Were there any changes in key financial personnel for this award during the last fiscal year?

YES: Please explain and list all changes:

NO

14. Has your organization made any significant updates to accounting or information systems, or financial policies? If so, please list and attach the newest version of the policy.

15. Does your organization have a US federal indirect cost allocation plan or negotiated indirect cost rate?

YES: provide a copy of the negotiated rate agreement.

NO

16. Does your organization have accounting procedures that segregate direct- and indirect-cost expenses?

YES

NO

17. Does your organization have controls to prevent invoicing of unallowable expenses or expenses in excess of approved budgeted amounts?

YES

NO

18. Are all disbursements from your organization properly documented with evidence of receipt of goods or performance of services?

YES

NO



19. Does your organization have a system to track personnel time billed to specific award agreements?
- YES
- NO

20. Please describe how your organization ensures that all cost transfers are legitimate and appropriate. Note that a cost transfer is defined as any change or correction that transfers an expense from one project or fund to another, after the expense has been initially recorded in your institution's financial accounting system. How are cost transfers vetted, documented, and justified? What is the time frame within which they occur?

21. How does the organization determine that it has met cost sharing goals?

***Section D: Compliance***

22. Does your organization have procedures which provide assurance that consistent treatment is applied in the distribution of charges to all sponsored agreements, grants, and contracts?
- YES
- NO

23. Does your organization have written procedures to ensure standardization of accounting practices in distribution of charges to funding sources?
- YES
- NO

24. Please certify that policies and/or procedures exist that address the following:

<input type="checkbox"/> Conflict of Interest	<input type="checkbox"/> Pay Rates and Benefits	<input type="checkbox"/> Purchasing
<input type="checkbox"/> Time and Attendance	<input type="checkbox"/> Travel	<input type="checkbox"/> Equipment & Inventory
<input type="checkbox"/> Leave	<input type="checkbox"/> Segregation of Duties	<input type="checkbox"/> Ethics/Professional Conduct

*For each box not checked, attach details or explanations.*

25. Have you used funds provided by a Vanderbilt subaward to lobby for any political candidates, political parties, or proposed legislation?

YES

NO

26. If your organization enters into agreements for work or research to be performed outside of the United States, does it have systems in place to prevent and detect payments made to government officials to allow or procure work and research opportunities for or on behalf of your organization?

YES

NO

27. Is your organization currently involved in any lawsuits?

YES

NO

28. Are there any licensing, regulatory, contracting, or granting agencies with the ability to impose material penalties that would play a role in your organization's ability to continue? If so, please list the agency that could impose them.

YES

NO

29. Have you made any lower tier subaward or subcontract agreement with another entity using federal funds provide by Vanderbilt?

YES

NO

30. Do you certify that your organization is not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in this transaction by any Federal or State department or agency?

YES

NO

I certify that the above information characterizes the position of the institution of which I am a representative. Further, I certify that all relevant material findings contained in the audit report, if complete, have been disclosed.

**SIGNATURE:** \_\_\_\_\_

Name:	Date:
Title:	Email:
Organization: Metropolitan Government of Nashville & Davidson County- Information Technology Services	Phone:

Thank you for completing the information. The questionnaire along with any attachments and required information must be returned to [researchfinance@vanderbilt.edu](mailto:researchfinance@vanderbilt.edu).

**Additional Information or Comments:**



Metropolitan Government of Nashville and Davidson County  
John Cooper, Mayor

Information Technology Services Department  
Keith Durbin, CIO/Director of IT Services

February 22, 2023

David Corman  
Program Director,  
National Science Foundation, 2415 Eisenhower Avenue  
Alexandria, VA 22314

Civic Innovation Challenge Program Team,

I am pleased to commit Metropolitan Government of Nashville and Davidson County's Information Technology Services Department (ITS) to collaborating with Dr. Meiyi Ma on her proposal to build efficient emergency response system for communities. Vanderbilt University and the research groups at the Institute for Software Integrated Systems is a core partner with which the Metropolitan Government of Nashville and Davidson County has successfully collaborated with over the years.

The mission of the Information and Technology Services Department is to lead the delivery of exceptional technology service and solutions. The scope of technology utilized by the Metropolitan Government of Nashville and Davidson County ranges from simple communications devices such as handheld tablets to complex database driven software applications that enable communications and interactions both internally and with the general public. ITS provides technology services to increase the speed of business and availability of information in new ways that were never before possible. Supporting this vast range of technology are teams of dedicated specialists assigned to the different technology service areas. Metro ITS is the combination of these teams, creating a cohesive, structured organization that continually strives to support Metro business in the most efficient and effective manner and to implement secure, cost-effective information technology solutions.

If the Stage 2 proposal submitted by Dr. Ma entitled CIVIC-FA Track B: A Community-in-the-Loop Approach to Leveraging AI for Efficient and Equitable Response Systems is selected for funding by NSF, it is my intent to collaborate and/or commit resources as detailed in the Project Description or the Facilities, Equipment or Other Resources section of the proposal. This proposal aligns with ITS core values, most notably our core value to deliver excellence through collaboration. Therefore, I am fully committed to supporting this project without requesting reimbursement for personnel costs on behalf of the ITS department.

Respectfully,

A handwritten signature in blue ink, appearing to read "Keith Durbin".

Keith Durbin  
Chief Information Officer / Director of IT Services  
Metropolitan Government of Nashville and Davidson County



**METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY**

**JOHN COOPER  
MAYOR**

**OFFICE OF THE MAYOR**  
METROPOLITAN COURTHOUSE  
NASHVILLE, TENNESSEE 37201  
PHONE: (615) 862-6000  
EMAIL: [mayor@nashville.gov](mailto:mayor@nashville.gov)

April 28, 2022

National Science Foundation,  
2415 Eisenhower Avenue  
Alexandria, VA 22314

NSF Civic Innovation Challenge team,

Keeping people safe is the first responsibility of government. That responsibility has never been more urgent – or more challenging – than it is today. Nashville faces these challenges too, but we have met them in a distinctly Nashville way -- by coming together, discussing our challenges openly and honestly, and investing in proven approaches and innovative new ideas. Over the course of the past year, Mayor Cooper and the Metro Council have made historic and innovative investments in public safety and in community safety. The Council provided over \$2 million to establish a Community Safety Partnership Fund and \$1,750,000 for a Cure Violence program in North Nashville.

Metro Government is an inclusive organization that leverages diversity and fosters equity and inclusion in all aspects of how it functions, engages the community, and delivers services to residents. Metro leaders work with neighborhood and community groups to improve quality of life, enhance citizen engagement, and empower residents to take steps to improve their local communities.

If the proposal submitted by Vanderbilt Dr. Meiyi Ma entitled CIVIC-PG Track B: Creating an AI-based Community-wide Efficient and Equitable Response System is selected for funding by NSF, it is our intent to collaborate and/or commit resources as detailed in the Project Description or the Facilities, Equipment or Other Resources section of the proposal. Specifically, we are committed to share data in emergency response and community feedback, participate in workshops, provide our insights and feedback to guide the design of the response system.

The Mayor's Office is committed to promote a knowledgeable, safe, equitable and inclusive connected community, and will be interested in seeing results of the pilots from this project.

Sincerely,

A handwritten signature in blue ink that reads "John Cooper".

John Cooper  
Mayor

**APPLICATION FOR** A Community-in-the-Loop Approach to Leveraging AI for  
Efficient and Equitable Response Systems

**METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY**

A handwritten signature in black ink, appearing to read "K. J. ...".

02/24/2023

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Director  
Department of Information Technology  
Services

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Date


**Certificate Of Completion**

Envelope Id: 63A635C6C2834F308183531F84686A23	Status: Completed
Subject: Complete with DocuSign: ITS A Community-in-the-loop approach to Leveraging AI...23-24 App 03/21/23	
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	Nashville, TN 37219
	Juanita.Paulsen@nashville.gov
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