Muskegon Community College (MCC) is seeking quotes for an external grant evaluator for Advanced Technological Education (ATE) Proposals.

Please send all inquiries and quotations to:

Mike Council
Purchasing and Financial Services Manager
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Quotes must be received by 12:00 PM on Friday May 21, 2021.

Muskegon Community College (MCC) is seeking quotes for use in a grant submission to the National Science Foundation’s (NSF) Advanced Technological Education (ATE). The grant will focus on development of technical skills for offline robotics programming technicians.

Offline Robotics Programming Training/Education for Manufacturing Technicians consists of the following objectives:

1) expanding current Advisory Committees to develop a cross departmental Business and Industry Leadership Team (BILT) that includes robotics and CAD industry that will assess and evaluate effectiveness of offline robotics programming
2) develop ELTC297 Offline Robotics Program course and then expand the current Manufacturing Automation Certification to include a new Offline Robotics Programming track that will incorporate Computer Aided Design/Drafting (CAD) and robotics courses with the newly develop offline robotics programming
3) recruit for offline robotics training courses from manufacturing industry partners, including the integration of courses into nationally recognized apprenticeship programs, for careers that are high-tech, high-wage, and high-demand
4) Development of a course and educational materials that will be used to guide programmers and designers through the processes of Robot simulation and Specific 3-D modelling that would allow for replication of the developed curriculum in other.
As part of the grant application, Muskegon Community College must secure an external grant evaluator.

The evaluation process that MCC will propose in the application includes, but will not be limited to the following:

1) Development, administration, and data analysis of at least two surveys. The intention of the surveys would be to extrapolate quantitative and qualitative data in regards to the demand for offline robotics technicians and other industry 4.0 initiatives.

2) Attendance to at least three Business and Industry Leadership Team (BILT) meetings. This would include the initial meeting, a meeting in the middle of the grant cycle, and a meeting at the end of the grant cycle. The intention of attending the BILT meetings is to extrapolate qualitative comments that could be used for grant reporting purposes, as well as planning for future NSF grants.

3) Data analysis of reports provided by MCC’s Department of Institutional Research. This data will be used to support grant outcomes.

4) Interviews with at least three students and three C-suite level leaders from industry partners to assess the quality of technical education and the impact of industry respectively.

5) Direct observation in the applied technology classrooms to monitor the MCC faculty while teaching the developed curriculum on the equipment and software that was purchased with the NSF/ATE funding.

*As COVID-19 restrictions are reducing, the intent would be to have items 2, 4, and 5 completed in-person and items 1 and 3 completed electronically.

MCC’s application to the National Science Foundation’s ATE will include a budget line item for external evaluation costs. The external evaluator costs are being projected up to the $30,000.

Quotes must be received no later than 12:00 PM EST, Friday, May 21, 2021, and should include the following information:

1) Name of organization  
2) Brief history of the organization with specifics on experience with NSF/ATE projects  
3) Outline of project evaluation activities, the above listed activities are the minimal activities to be provided  
4) Budget for the proposed activities