# UC RET Project

# Self-efficacy and Attitude Scale – Beginning of the Project

Below is a series of statements asking about your attitudes toward research and your confidence in doing various research related activities. Please respond to the following statements in terms of your experience during the RET program.

Consider each statement using the scale below and indicate your level of agreement.

| **Item** | **Strongly Agree** | **Agree** | **Disagree** | **Strongly Disagree** |
| --- | --- | --- | --- | --- |
| 1. I am confident in my ability to discuss research  findings. |  |  |  |  |
| 2. I enjoy reading research studies in the engineering  literature. |  |  |  |  |
| 3. I am confident in my ability to evaluate research  finding in terms of their application to engineering. |  |  |  |  |
| 4. Research conducted in engineering is of little value  to society. |  |  |  |  |
| 5. I am confident in my ability to understand research  literature in the field of engineering. |  |  |  |  |
| 6. Developing research skills is not an important part of  my career goals. |  |  |  |  |
| 7. I am confident in my ability to evaluate the quality of  a research study in the area of engineering. |  |  |  |  |
| 8. Researchers in the field of engineering should focus on research which can be used to improve the lives of others. |  |  |  |  |
| 9. I am confident in my ability to design an engineering  research study. |  |  |  |  |
| 10. I think learning to do research is enjoyable. |  |  |  |  |
| 11. I find research to be challenging. |  |  |  |  |
| 12. I find research to be exciting. |  |  |  |  |
| 13. I am confident in my ability to understand research  in the area of engineering. |  |  |  |  |
| 14. Research in engineering is important because  findings provide important information for policy makers. |  |  |  |  |
| 15. I am confident in my ability to apply statistics to research in the area of engineering. |  |  |  |  |
| 16. Most research in engineering is unnecessary. |  |  |  |  |
| 17. I am confident in my knowledge of research methods  in the area of engineering. |  |  |  |  |
| 18. I would not enjoy working on a research project again. |  |  |  |  |
| 19. Research in engineering is important for identifying problems and solutions of value to society. |  |  |  |  |
| 20. I find people who do research to be very interesting. |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Strongly Agree** | **Agree** | **Disagree** | **Strongly Disagree** |
| 21. I am confident in my ability to apply various  laboratory/ field techniques to research in the area of engineering. |  |  |  |  |
| 22. I enjoy listening to discussions about research in engineering. |  |  |  |  |
| 23. I am confident in my ability to develop research  questions in the area of engineering which are  interesting and researchable. |  |  |  |  |
| 24. I would enjoy a research oriented job or a job which  has some element of research in it during the  summer. |  |  |  |  |
| 25. Time passes quickly when I do research. |  |  |  |  |
| 26. I am confident in my ability to translate research  questions in the area of engineering into a research  design. |  |  |  |  |
| 27. I am easily frustrated when doing research. |  |  |  |  |
| 28. I am confident in my ability to write-up research for  publication in a scientific journal. |  |  |  |  |

***THANK YOU COMPLETING THIS SURVEY!***