IITG Project Outcomes Form - Report Outcomes : Entry # 141

Name of person reporting outcomes

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Email

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IITG Project Title

2013-Buffalo State-Heo-Virtual Instrumental Analysis Laboratory

Have you applied for, or received additional funds? (choose all that apply):

- Other (please specify in text box below)

Will apply for next roundl IITG funds

In order to better facilitate distribution of project findings, please rank the top three themes that best describe your project (1st choice)

Online and Global Learning

In order to better facilitate distribution of project findings, please rank the top three themes that best describe your project (2nd choice)

Open Education Resources

In order to better facilitate distribution of project findings, please rank the top three themes that best describe your project (3rd choice)

Faculty Support

What recommendations would you make to scale-up or share your project more broadly (within an educational sector, or perhaps SUNY-wide)?

The project outcomes could be grouped or organized in discipline-specific manners so that faculty in SUNY campuses with similar interests may easily access to and view the information.

If you would like to create a community of practice within the SUNY Learning Commons, please describe "members of your community" who would be most interested in your outcomes. Please be specific (e.g., math faculty, instructional designers, student services, registrars, administrators, accreditation or assessment specialists).

Analytical chemistry is one of the core courses in chemistry. The project outcome will be interested in course instructors who teach or train students to learn how to use analytical instruments. "Analytical chemistry faculty" or "chemistry faculty" could be used for the name of community which will be interested in the outcome of this project.

Do you intend to create an ongoing "Community of Practice" within the SUNY Learning Commons to continue work and dialog regarding this project?

Yes

Overall, how successful was IITG in meeting your project goals? (You may elaborate on your response in the final question if not addressed elsewhere.)

Very successful

Do you wish your current abstract to be used?

Yes

File One Upload and Brief Description

CIT 2014 presentation file that describes the goals and results of the project

File One

CIT-2014_presentation.pptx

File Two Upload and Brief Description

2014 IUCr Conference presentation file that describes education method of teaching X-ray crystallography

File Two

Crystallography-Education-for-Non-Science-College-Students.pdf

Any additional comments or resources you wish to share?

Tutorial videos on how to use analytical instruments were created and used in several undergraduate classes. These videos were uploaded in youtube site for others to use. Copy and paste the following link in the address bar of an web browser.

Raman tutorial 01: Thermo DXR Raman basics
http://youtu.be/-wpXHdWRRYM
Raman tutorial 02: How to use OMNIC1
http://youtu.be/8rLP42VMKVo
Raman tutorial 03: How to use OMNIC2
http://youtu.be/KaQxaNKtNsE
Raman tutorial 04: How to use Atlus
http://youtu.be/w8WLyPok-gQ
Raman tutorial 05: How to use MCR
http://youtu.be/BqGGH-GJ6zA

How to use Brucker Avance III 400 MHZ NMR
http://youtu.be/NFBHraJhubg

How to use Agilent GC 7890A
http://youtu.be/SwnJKuF8FnY

How to use Agilent GC-MS

http://youtu.be/MtJJm0dj_VI
How to use Shimadzu GC2014
http://youtu.be/tICNHwpWkYk

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