

CAREERS IN STEM

Women in STEM Roadshow

Workshop 1

JMI, Delhi

February 5, 2018

OPTIONS with STEM degree

- What did I do with my Ph.D. in Physics
 - I taught full time in College/University
 - My first job was in Morehouse College (all male college)
 - So much for wanting to be a female role model
 - Spelman College (all female college is a constituent AUC College) students started attending my classes
 - The numbers grew – 2 in each class to 10-12
- Girls started sitting in the front rows, earlier they would walk in intimidated, sit in the back rows, quietly leave after class

Career Options

- My students had diverse career choices, notable
 - Few work in Wall Street
 - Medical doctor – M.D./Ph.D.
 - Professor - Biomedical Engineering, Material Science Engineering
 - Actuarial Scientists
 - Secondary School teachers - Science and Mathematics
 - Many other options...

TEACHERS

- Not everybody remembers prime ministers, presidents, nobel laureates
- Everybody remembers a good and effective teacher
- Research shows a good teacher can motivate her students and increase collective income of her students by lakhs of rupees
- A good Science and/or Mathematics teacher effectively improves the overall performance of the student in other subjects
- Let us watch a brief video of teachers from India now teaching in Atlanta, GA
- Later we will talk about the requirements for becoming a teacher

Mrs. YASMEEN SHAIK – B.Sc. (Mathematics),
B.Ed. (Mathematics and Physical Science)

- <https://www.youtube.com/watch?v=NuTaleikxdY&t=8s>

Dr. Suneeta Panda – B.Sc., M.Sc., M. Phil., Ph.D.

<https://youtu.be/F-MgcnV6QAc>

Mrs. Firdos Sayed – B.Sc. (Mathematics),
B.Ed. (Mathematics)

- <https://www.youtube.com/watch?v=uWkvrJjAtSI&t=3s>

Intalage (designated sponsor of U.S. DoS, Exchange Visitor Program)

- Female Teachers : 68 %
- STEM teachers (including sp. ed. teaching STEM) : 72%
- Teacher of the Year / Star Teacher Awards : 10
- Percentage of Female Recipients: 100
- YEA!!! POWER TO WOMEN!!!!

How to become a STEM teacher?

- Complete the Bachelors of Science Degree in
 - Science
 - Mathematics
 - Technology/Engineering
- Complete the Bachelors of Education Degree with one of the teaching methodology in any one of the above area(s)
 - Science
 - Mathematics
 - Technology/Engineering
- You are ready to Roll ^^

Requirements for Teaching in the USA

- Complete – B.Sc. + B.Ed. (minimum)
- Teach in your field for a minimum of two (2) years
- Fluency in English
- Obtain three (3) professional references
- Prepare an effective resume (CV)
- Intalage will assist with – interview skills, credential evaluation, and pre departure orientation.

THANK YOU

