Women and STEM Education

I. Introduction:
   Thesis statement:
      Although there is growing demand for STEM Education, still fifty percent of the human population are suppressed to pursue their aim in STEM. Women participation guarantees the growth and success of a nation. Such prosperity at global level can be achieved through effective, immediate, collaborative, supportive measures in encouraging women participation in STEM.

II. An overview of STEM Education

III. Importance of Women participation in STEM:

    A. Creation of jobs
    B. Increase in trade
    C. Empowerment of women

IV. Huge potential in women for STEM education
    The STEM education gap - women and girls in the field
V. Challenges faced by women in joining STEM Education:

    A. Patriarchial mindset impeding women participation in STEM
    B. Discrimination faced at workplace
    C. Stereotyping career in STEM as masculine
    D. Family pressure to abandon their career in STEM
    E. No awareness of benefits of career in STEM.

VI. Case study of Pakistan and India - A comparison

VII. Ways to improve women participation in STEM education:

    A. Effective policy measures

    B. Awareness campaign
    C. Special incentive for women
    D. Promotion of Gender equality in Societal norms

VIII. Conclusion:

    Women participation in STEM education guarantees prosperity of a nation. But such prosperity only be achieved if corrective, collaborative measures are to be taken to tackle the challenges women are facing in STEM participation.

Woman – the soul which depicts the beauty of nature through her innocence, caring nature, considering benefits for all, depicting mothers's characteristics, nurturing, shaping the child – humanity herself lagged behind in the growth. That sounds like a paradox, but that is very evident in the global erena. The growth of society is facilitated by women, but she herself faces difficulty in her own growth. That is a dilemma, is not it? Women's poor low participation in STEM education is not a different case. Education in Science, Technology, Engineering and medicine – STEM – is the demand of contemporary world. Artificial intelligence is the new erena to encel into, but still the fifty percent population of today's world is grappled with challenges that impede her true participation and a sound career in STEM. History shows how women have contributed in the development of science and Technology. Marie Curie, the renowned French polish scientist, discovered radioactivity and her devoted potential and encellence in science is appreciated by the world by rewarding her with two Nobel prize in the field of chemistry and physics on her discovery of Radium and pollonium. Rosalind Franklin is another enample who revealed the double helical structure of DNA. Arfa Kareem the youngest software developer is among many other renowned women.

still stereotyping scientific, technical, mathematical world purely a man's field does not make sound argument. Patriarchial mindset, pressure from family on abandoning career in STEM, are few challenges that impede women in realizing her actual potential in the field of STEM. However, the effective policy framework for making women participation in STEM, encouraging and appreciating her achievements, empowering her in taking her own decisions, are some of many effective measures that can tackle the challenges faced by women very effectively and will ultimately promote of her representation in the prospering the world.

The term STEM - Science, Technology, Engineering and Mathematics Education, is is coined by Dr. peter Falebra, the Director of workforce development for Teachers and scientists students. It was just after that the term gained widespread popularity and attention, coupled with growing emphasis on the field. In 2019, the US added Arts to it as well, further evolving the term STEAM. According to the US State Department, the children are currently enrolled in those programs in US for jobs that are not yet created, while many of the jobs today would not exist in the near future. So, STEM education is the new reality that is set to

revolutionize the world.