High School Summer Science Program 2016

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Welcome to HSSSRP 2016 Program

- HSSSRP program was started in 2013
- Three successful years have been passed
- 100’s of students have been trained
- Few got Scholarships in USA based in HSSSRP projects
- Many got admission to local top class Universities bases on HSSSRP
- Every year more mentors and Students join the Program across Pakistan
- Need more support from academia to mentor more and more students

Our Goals

- *Create scientific research awareness at School level*
- *Identify scientific talent from Schools*
- *Prepare and groom them for future scientific research*
- *Send them to college and Universities equipped with Scientific tools*
- *Give them confidence*
- *Encourage and motivate them for Science*
- *Identify their talent regardless of their scientific aptitude*
- *Make them a critical thinker*

Benefits of Program

- Involvement in exciting research projects with professors and their research groups
- Familiarity with the operation of instruments and interpretation of data obtained by techniques not usually available through high school laboratories
- Participation in science and technology seminars, and in group recreational and social activities
- Development of effective working relationships with scientists
- Association with other exceptional students having similar interests
- Enhancement of specific interests in and across scientific disciplines
- A well done project can win a Scholarship in the world class Universities
- Students and mentor will receive certificates and shields on completion

Program Time Line

- *Total Time of the Project about 10 Weeks*
- *5 Days a Week*
- *4 hours a day*
- *Total 20 hours a Week*
- *It can be flexible based on mutual understanding between a Mentor and Student*
- *Project Must be finished before a Student School starts*
- *It can be carry on if more time is required*
- *Final project should be finished by September 15, 2016 for final presentations*

Project Topic

- *Mostly a mentor picks a topic unless student have a special topic*
- *The project can be a sub project of the main project in the lab already running*
- *The selected project can be finished in 10 weeks*
- *A student can also be trained on a running project*

Student Should Learn

- *About the main area of research happening in the lab*
- *Learn how to search papers on the net*
- *Learn how to take data and analyze it*
- *Understand basic research methods and techniques*
- *Can make poster for final presentation*
- *Must practice oral presentation*
- *Should be able to explain the knowledge he/she gained during the program*

Other Activities

- *Take them to lunch once in a week (optional)*
- *Send them to attend any seminar happening in the department or University*
- *Engage them with other graduate students*
- *Discuss the scientific topics not related to his/her project*
- *Ask them to search on the net someone thing interesting about science or nature*

Bottom Line

- *Identify, Inspire, motivate, encourage, and educate at least one young talent and be a role model for him/her*

- *Listen to him/her, transfer your knowledge, and give him/her a direction*