

## Program Outcomes (Post Graduate Level)

### Faculty – Science

After completing the post graduation studies in any subject belonging to science, the student should have,

- Acquired a deep knowledge on promising in the subject concerned by making use of reference books, research journals & periodicals, internet, etc.
- Know in detail how the subject matter has progressed from early times till the date with important discoveries, inventions, theories, the scientists who contributed to this.
- Understood how scientific theories are proposed and how they are accepted or rejected by experimental evidences.
- Judged the presently accepted theories by considering their strength and weakness and provide better explanations for the modification or improvement of the theory.
- Explain how the subject has influence the progress in the other areas of science and technology useful in the betterment of life of common man.
- Acquired high level skills in laboratory experimentation and inferring the logical conclusions.
- Developed ability in Project works, doing independent designing & execution of the research work.
- Acquires speculative thinking skills and practical skills.
- Developed the faculty of creative thinking (Convergent & divergent) to provide solutions to the unsolved problems or designing new experimental verification procedures.

- Conceived where and how subject knowledge can be used in future for a betterment of mankind.
- Recognized the areas where there is no further research work done or the areas which are not yet explored.
- Taken up an independent research project in a R & D organization or in any industrial organization.
- Developed a strong faith that ethical, moral and social values are necessary for pursuing a scientific career.
- Accepted that scientific knowledge plays most important role in overcoming social evils, blind faith, poverty, health issues, and can certainly improve the quality of human beings.
- Comprehended necessary measures for sustainable development and controlling environmental pollution hazards.