

Centenary Plan

1.Residential Bridge Course

A residential bridge course will be conducted in core subjects for first year PG students. This will bridge the gap between UG and PG enabling them to understand applied subjects more effectively. The course will also be a platform for students to interact with the faculties of the department . The department envisions to serve as nodal point or learning hub for core subjects . This was initiated in 2020 and is planned to be conducted in an elaborate form in the centenary year . The classes will be taken by the faculties of the department. The state wide call from different institutes will be made at the commencement of the semester.

2.Expert Interaction Program

A career orientation course will be conducted for V semester undergraduates and IV sem post graduates. This program will be for students of our college. Experts including scientists and researchers will be invited and the students will be encouraged to interact with them.

3.Research Proposals

Faculty of the department have submitted research proposals to DST & KSCSTE in the view of expansion of research facilities in the department during the centenary year . More proposals will be initiated especially student projects for UG and PG students to give them a thrust to take up research career.

4. Summer Research Program

The research facilities will be made open to first year UG/PG students as their summer projects on paid basis. The meritorious students will be given an opportunity to have hands on training on research experiments and ideas. Both theoretical and experimental divisions can invite application for summer programs. The students studying in other institutes will be given the opportunity. This will definitely motivate them to take up research careers.

5. Training/demonstration workshops for higher secondary / high school teachers

Department proposes a 5 day training program for higher secondary /high school teachers. The laboratory sessions will be open to them for hands on training for various experiments or demonstrations needed for their curriculum. This will be conducted in collaboration with other science departments.

6. Outreach Programs

Department proposes to continue its outreach program by organizing special general science awareness programs to general public and school children. Research labs will also be opened for UG /PG students like an open house program. This will be conducted in collaboration with other science departments.

7. Dedicated Optics Laboratory

Department has received funding from DBT STAR Scheme and has submitted quotation for setting up a 'dedicated optics lab'. This 'dedicated optics lab' will be set up in the current MSC lab during the centenary year. The entire optical equipment will be brought under a single umbrella. This will enable the students to do mini projects in this sophisticated area which require great expertise. Later the lab can be upgraded for more interfacing optical devices.

8. Sophisticated Lab using SARD funding

An augmentation research funding has been received by the department based on its previous research output. The department proposes to set up a dedicated center for the workstation proposed in the project.

9. Alumni Funds

The department had availed Alumni contributions for setting up a department library cum seminar room, a fully furnished classroom cum seminar hall with IT facilities, for student scholarships, for library books etc. Attempts will be made to mobilise a 'centenary alumni fund ' for department progress.

10 . Enlightening Young Minds

The department plans to initiate a 7 day workshop for 9th standard or 11th standard students in collaboration with other science departments. Classes, lab sessions, and sessions discussing research openings and career options will be included in this program. The department had hosted a 1 day program for respective classes in sasthrapadham and sasthrajalakam programs of the state government. The department would like to extend the idea to nearby school children as well in an extensive manner.