

**MILAGRES COLLEGE**  
**KALLIANPUR-576114**  
**UDUPI.**

**2016-17**

➤ **Action plane**

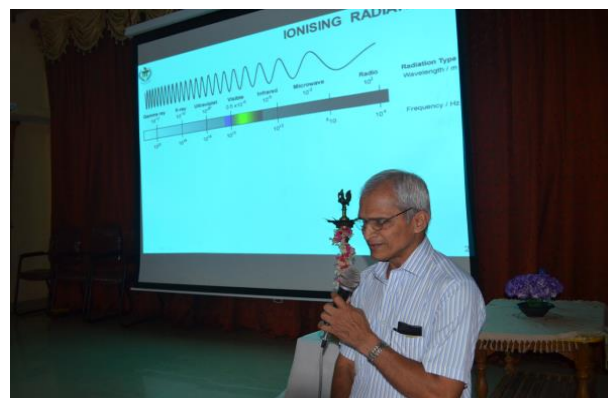
- Bridge course for I B.Sc. first semester students.
- Remedial coaching for slow learners and failed students.
- Additional training to advance learners.
- Monthly tests.
- Using ICT and alternative methods of teaching by staff.
- Seminars for the students - (half of the class for odd semester and Remaining half of the class for even semester)
- Guest Lecture.
- Preparing students for University level Quiz and seminar competitions
- Physics wall magazine to bring awareness about science.
- Organising Physics quiz and Physics seminar competitions for students.
- Taking the students to planetarium, visit to advance laboratories.

## ➤ Academic Activities:

- **Guest lecture:**

Prof. Dr. Vyasa Upadhyaya, the chairman, Department of Physics, MIT Manipal delivered a lecture on "Ionising radiation and its applications" explaining about its sources, radioisotopes, radiation

dosimeter, medical and other applications on 14<sup>th</sup> July 2016. He motivated students for science activity by giving 3D movie disk.



- The intercollegiate Physics seminar and Physics Quiz were conducted in our college in association with the "Association of Physics teachers of Mangalore University" on 14<sup>th</sup> September 2016. The competitions were inaugurated by Dr. Deepak D'Silva, co-ordinator, PG Centre St. Philomena College Putturu. The Colleges under Mangalore University participated in the same. SDM College Ujire bagged the team Championship with maximum number of points. Prof. T. M. Ananda, HOD of Physics Bhuvanendra college Karkala, the

president of the Association of Physics teachers of Mangalore University distributed away the prizes. Dr. Fr, Anil Prakash Castelino, the campus director of our college was the Guest of honour. Dr. Gerald Pinto, Principal of the college presided over the function. Prof. Prof. Bhavani, Retired professor of Physics, Mrs. Chaya Karkera, a Research scholar from MIT Manipal and Akshatha Nayak from St. Mary's Juniouir college Udupi were the judges at the competition.



- A Physics seminar competition was held for B.Sc. students on 29<sup>th</sup> July 2016 at 3 p.m. About eight students participated. Students have

- **Take the students to advance laboratories:**

A visit to the Research Laboratories of the department of Physics, Microtron Centre at Mangalore University and to the 'Science Centre' at Pilikula was organised on 15<sup>th</sup> February 2017.

Twenty-nine students of Final year B.Sc along with the staff members of the department of Physics of our college first visited the laboratories at Centre for Advanced Research in Environmental Radioactivity(CARER) and also at the Centre for Application of Radioisotopes and Radiation Technology (CARRT). Students were exposed to various methods of sample processing, isotope separation, Radon calibration, Gamma spectrometry etc at



participated and secured prizes in various competition organised in other colleges

CARER. They were given information regarding Gamma Irradiation Chamber used for various applications, urea breath test using C<sup>14</sup> Analyzer, TLC scanners etc at CARRT.

The students were then taken to MICROTRON Centre. The faculty there explained the working of the particle accelerator.

The group also visited the 'Science Centre' at Pilikula after lunch. The students had hand on experience with the science models explaining fundamental principles of science. Also 3D film was viewed by the group.



- Very Rev. Fr.Dcruz memorial lecture competition was conducted in which many physics topics were presented

.....