



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT
Yelahanka, Bengaluru – 560064.
Department of Mathematics

REPORT ON COCURRICULAR ACTIVITY HELD ON 11TH MAY, 2017(FOR A, B, G SECTION)

As a part of co-curricular activity a seminar on “Computer Simulations (& slow motion videos) that Challenge Conventional Wisdom” by Dr. A.S. Vasudeva Murthy, professor, TIFR-CAM, Bangalore conducted for the students of II Electrical (G Sec), Electronics (Asec) and Computer science (B sec) students on 11th May, 2017 from 2.40 to 4.15 at ISE seminar hall, BSN Block.

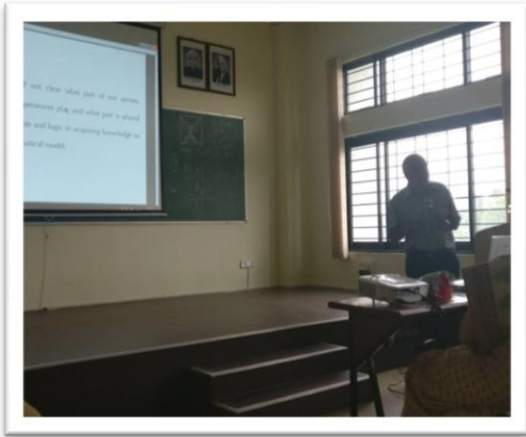
Gautama Bharadwaj of II EEE anchored the programme. The programme started with introduction about CCA and its uses then followed by invocation song by Miss Deepa of II EEE. The resource person appreciated Miss Deepa for using technology in the song. Later programme is continued by professor A.S. Vasudeva Murthy with his talk.

In his talk professor mentioned about falling cat problem how it is modeled and how it is applied in space (we all know that falling cats always land on their feet even when released upside down. In 1894 Etienne-Jules Marey, first showed how cats land on their feet by filming it. Found the correct theoretical equations describing the cat's shift in orientation in response to its "shape shifting" during the righting reflex. Experimentally showed that humans could, with some training, make the righting reflex motions and flip over exactly like a cat. Thomas Kane trained people to do this in 1968 in Apollo spacesuits).

He also mentioned some more applications such as Modeling a falling slinky, Celestial Mechanics –The N-Body Problem (NBD) , Major Questions on the N-Body Problem , Kepler Problem versus the N-Body Problem, King Oscar II's Prize for solving the N-body problem, Prize was awarded to Henri Poincaré for his work on the restricted 3-body problem. He mentioned that it is often regarded as a mystery by many (including mathematicians) that mathematics (purely a product of human thought) can explain physical reality. We must realize that mathematics does not describe reality but only its quantities.

The talk concluded with vote of thanks from Gautama Bharadwaj.

Photo Gallery:



FACULTY INCHARGE:
Mr. KALLUR V VIJAYA KUMAR/Mrs. SREELAKSSHMI T K