



FACULTY DEVELOPMENT PROGRAM CELL
Annual Report For The Academic Year 2014-2015

The FDP cell prepared the strategic plan for the AY: 2014-2015. According to the plan, The FDP cell has achieved satisfactory results during the academic year with overall quality improvement of faculty of the different departments of the college. The necessary documents and the reports pertinent to events were prepared and maintained in the respective departments and a copy in the FDP cell.

The Consolidated programmes conducted in the Department and FDP Cell were provided below

1. The Department of Biotechnology and Department of Basic sciences jointly organised Five days two FDP Programme on **Next Generation sequencing** on 22nd to 26th -07-2014 and **Innovative methods for Structural Analysis of Molecules** on 19th to 23rd -01-2015

The speakers from academics and Industry delivered the lecture and demonstration/ Hands on training on next-generation sequencing. The programme provide the information of NGS which enables researchers to perform a wide variety of applications and study biological systems such as sequence whole genomes, Utilize RNA sequencing (RNA-Seq) to enumerate novel RNA variants and splice sites. The speakers also highlighted sequencing generates masses of DNA sequencing data with cost ineffective and less time-consuming than traditional Sanger sequencing.

The FDP programme was arranged to know the advance techniques used for the analysis of micro and molecule. The speakers from academics and from SIMS medical college delivered the lecture on techniques used for analysis of macromolecules and Hands on experience on HPLC were carried out in in SIMS research laboratory were the sample preparation and output of the results were analysed


Principal
Sapthagiri College of Engineering
Chikkasandra, Hosuraghatta Road
Bangalore-560 057



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2. The Department of Computer science engineering organised Five days two FDP Programme on **Data Mining** on 22nd to 26th -07-2014 and **Phyton and its application** on 19th to 23rd -01-2015. Along with the department organised 2 Day workshop on **Image and Video processing** on 16th -17th -3-2015 followed by One day work shop on **Future internet economy** on 21st-7-2015

The main objective of the FDP was to enhance the additional skills and Training on Technical Aspects of Data Mining and to develop strong basics in Network Topologies and Internet Economy Sharing.

3. The Department of Electronics and Communication engineering organised Five days two FDP Programme on **Image Processing and application using Matlab** on 22nd to 26th -07-2014 and **Multi Modal Image fusion** on 19th to 23rd -01-2015

The programme was aimed to provide an additional skill and training on technical aspects related to Image processing and introduction to different modalities available in image processing and its applications available for image registration and extracting features. The session was followed by hands-on on feature extraction and installation of software.imaging technique with a high-resolution structural imaging modality to provide more comprehensive information in the lab.

4. The Department of Electrical and Electronics Communication engineering organised Five days two FDP Programme on **Pollution Performance of Insulators/arrestors** on 22nd to 26th -07-2014 and **Modern trends in smart grid** on 19th to 23rd -01-2015

Dr. K N Ravi and Dr. N Vasudev, experts on HV, explained indetail about insulators and surge arrestors and their pollution performances. Mr. S Bhagawan, explained about smart-grid need and modern trends in the same and its importance

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5. The Department of Information Science engineering organised Five days two FDP Programme on **Usage of Network Stimulators** on 22nd to 26th -07-2014 and **Image Processing** on 19th to 23rd -01-2015

The Programme provide additional skills to the faculties by providing simulator practical application and to obtain additional knowledge on Image processing and its application. Faculties were able to process the digital images through various algorithms

6. The Department of Mechanical engineering organised Five days two FDP Programme on **Advance in Polymer composite materials and application** on 22nd to 26th -07-2014 and **Advance in IC Engines** on 19th to 23rd -01-2015

Prof. Tulsidas D, Prof. R G Deshapande, and Prof. P Mahadevaswamy explained about composite materials processing and application. Prof. Padmanabha G, Prof Shiva Murali Mohan Raddy and Prof. Basavaraj Ganigr gave lecture on different Current aspects of I C Engines

7. The Research and Development cell organised programme One Day Programme for faculties on **Methods for formulating research Problem** on 4th Aug 2014 and **Filing Indian and US Patent** on 1st April 2015

Dr Shilpa Shiva Shankar delivered the lecture on identifying the research problem and to how fill the gap and patent laws and Filing

8. The Department of Basic Science organised one day Programme for Non-Teaching Staffs-Talk on **Computer based and E-learning** on 1st Dec 2014

Prof. Kamalakshi Naganna, Dept. of CSE, SCE, gave talk on Computer based learning in the morning session and afternoon session hands on training

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Glimpses of FDP Programme Conducted in Departments

	
<p>Prashanth Kumar H P - Delivering lecture on DNA Isolation and its Significance on FDP Programme Next generation Sequencing conducted by Department of Biotechnology and Basic Science</p>	<p>Dr Krishna B S - Delivering lecture on Transmission Electron Microscopy on FDP Programme Innovative methods for Structural Analysis of Molecules conducted by Department of Biotechnology and Basic Science</p>
	
<p>Prof Bhagwan- Delivering lecture on FDP Programme Modern Trends in Smart Grid conducted by Department of EEE</p>	<p>Resource Person- Delivering lecture on FDP Programme "Pollution performance of insulators/arrestors" conducted by Department of EEE</p>


FDP Convener


Principal

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bangaluru - 560 057

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057