

ANNUAL REPORT

(2018-2019)

Academic Staff College



VIT, Vellore



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

1. Introduction

2018-19 saw Faculty having understood ASC's initiatives and participated in more programs even though participation in the FDPs was not mandatory. This year's focus shifted to Multi/trans-disciplinary research, HealthCare, technical and technology related programs ASC conducted 194 programs with a footfall of 5497 participants.

2. Faculty Orientation Program

- ✓ This Program is intended to help the newly joined faculty members to synchronize with VIT University's academic work-flow without any difficulty.
- ✓ Help Faculty members understand the Vision of the Institution and the Expectations of the University
- ✓ To Introduce Faculty Members to advanced Practices like FFCS, CAL, PBL
- ✓ Technologically equip the Faculty Members for the Digital Academics
- ✓ Help Faculty Members use advanced Learning Management Systems including V-Top
- ✓ Provide learning related Psychological education .
- ✓ Provide inputs for excellence in research and publications
- ✓ Improve the written and Oral Communication skills to enable high quality presentations and publications
- ✓ Train the teachers towards Industry-Academia Interaction and building lasting professional associations
- ✓ Help teachers understand the professional standards and requirements of national and international accrediting agencies.
- ✓ Develop the managerial skills of the faculty members.
- ✓ Preparing for Flipped Classes through Video Lectures, Virtual Classrooms.
- ✓ Help teachers develop a better understanding of various educational theories
- ✓ Introduce faculty members to creative teaching techniques like Edutainment
- ✓ Help faculty members excel in documentation towards filing patents and securing intellectual rights
- ✓ Help faculty members get to know each other and work together as teams and move towards inter- disciplinary research and cross functional studies

- ✓ Help faculty members make their academic pursuits industry relevant and socially relevant.
- ✓ To promote the culture of Continuing Learning among academicians
- ✓ Outbound learning activities to encourage team work
- ✓ Experiencing industry visits to help them replicate them in the future



3. Five – Day Faculty Development Program

3.1 Faculty Development Program on Java Programming

A five Day Faculty Development Program on Java Programming was conducted for SCOPE and SITE school faculty members between May 2019 and June 2019 in five slots.

The dates for the various slots are given below

- May 13th – 17th 2019 Slot
- May 27th -31st 2019 Slot
- June 10th-14th 2019 Slot
- June 24rd to 28th 2019 Slot

The resources persons were from Ethnus Consultancy Services, Bengaluru. The session plan followed for the five day training is given below

Day 01	Object and Class
	Data types
	Basic I / O
	Decision Making
	Loop Control
Day 02	String, Array
	Inheritance, Aggregation & Associations
	Modifiers
	Interface & Abstract classes
	Exceptions
Day 03	Packages (Java specific)
	Collections (Java specific)
	Threads
	File Handling
	Database Connectivity
Day 04	Web programming
Day 05	Applications of java

A total of **221** Faculty Members from both the Schools have taken up the training.

School and Slot wise Split up on the Number of Faculty members who attended the training is given in the table below

School	May13th-17 th Slot	May 27 th -31 st slot	June 10 th – 14 th Slot	June 23 rd - 27 th Slot
SCOPE	21	47	34	7
SITE	40	9	20	43



4. Regular Faculty Development Program

4.1: FDP on Entrepreneurship Development and Innovation practices.

The faculty development program on Entrepreneurship Development and Innovation practices was conducted by Dr.R.Ganesan, Professor, Chairman and CEO, National foundation for entrepreneurship development (NFED), Coimbatore. The program was attended by 23 participants on the 25th of July 2018.

The concept of Start-ups and entrepreneurship has taken a new dimension and so it becomes imperative for higher institutions to train their faculty and their students on this.

The Practice of Innovation; The Practice of Entrepreneurship; and Entrepreneurial Strategies.

The following were the salient features of his session:

The opening session dealt with the Practice of Innovation: It highlighted innovation as a purposeful discipline, where the faculty/student seeks for innovative opportunities. Later, the Do's and Dont's of developing an innovative idea into a viable business or service were enlisted.

After the tea- break, the second session focused on the Practice of Entrepreneurship, where the institution is the true carrier of innovation. The policies and practices were defined, organized and staff for entrepreneurship, the obstacles, the impediments, the traps and the likeliness of the common mistakes were penned down. The session concluded with a discussion of individual entrepreneurs, their roles and their decisions.

The final session was on Entrepreneurial Strategies: In this session the resource person, shared ideas on bringing an innovation successfully to the market. This FDP was categorized under managerial skills for teachers and was very inspiring.

4.2 FDP on Workshop on Industry Institute Integration.

The second edition of I3 as it is coined is a hallmark of the ASC team at Vellore Institute of Technology. From interaction to interphasing and now to integration, the concept of industry-institute has gained deeper roots at VIT. The theme of this edition: Global Employability set the expectations for the day. The event was on the 26th September 2018 and 62 attended the session.

The resource persons list:

Dr. Cecil Manohar, VP R&D Sundaram Clayton TVS, Ms. Lakshmi Priya Radhakrishnan, Director HR, Barry Wehmiller, Mr.Suresh S MD EID Parry Murugappa group, Mr. Anand Kumar, Vice President, Crompton, Mr. Meghanathan, Executive Director Regenix and Mr. Suresh PCR Training Consultant from Bosch.



The list of the resource person had drawn in more participants and the expectations were set very high. The following Industry Leaders participated in the Panel Discussion Moderated by Dr. Cecil Manohar, VP R&D Sundaram Clayton TVS.

Ms. Lakshmi Priya Radhakrishnan, Director HR, Barry Wehmiller pivoted her speech on “The Future of Business in India and Thriving Sectors”.

Mr. Suresh S MD EID Parry Murugappa group spoke on Employer Expectations for the Employees and provided examples as to fill the Possible Performance Gaps.

Mr. Anand Kumar, Vice President, Crompton spoke on Skill development process for graduates from an Industry Perspective.

Mr. Meghanathan, Executive Director, Regenix spoke on Pharma and Health Industry a Forecast on Job Market.

Dr. Cecil Manohar, Vice President R&D Sundaram Clayton,TVS spoke on Design, Development and Deployment Skills for Engineers.

Mr. Suresh PCR Training Consultant from Bosch, spoke on Technical Knowledge and Skills the Possible Gaps between Knowledge and Skills. Dr. Jala Jayaprakash and Dr. Srinivasan Latha with support from the Counselling division coordinated the session. The Assistant Director oversaw the progress of the event.

This event set new standards for Industry Institute Integration and opened doors for prospective collaborations.

4.3 FDP on Two Day Workshop on Applying Quality Management Principles in Engineering Education

FDP on Two Day Workshop on Applying Quality Management Principles in Engineering Education. The Resource persons Dr.Nakkiran, Dr. Sanjeeva Rao and Dr.C. Uthayakumar, from Quality Circle Forum of India, Chennai, trained 28 participants on the 19-20th November 2018. To explore scientific and systematic problem solving, To use quality tools for effective decision making and to implement the culture of data and data driven approaches.



4.4 FDP on Workshop on Project Based Learning

The Workshop on Project Based Learning was conducted by Carolina Ruiz and Kris Wobbe from the Worcester Polytechnic Institute-WPI Center for Project Based Learning. The two day workshop was dated 11-12 April 2019. 29 Faculty benefitted from the hands on sessions.

The overview of the sessions

Day One: Introduction

Project Experience

Debriefing and Key Elements of Project-Based Learning

- Motivations for Project-Based Learning
- Impact of Project-Based Learning on Students

Benefits to Employers of Project-Based Learning

Disciplinary and Interdisciplinary Project Examples

Students and Faculty Roles in Project-Based Learning

Facilitating Effective Teamwork for all Students

Introduction to Action Planning Preview of Tomorrow

Day two

Assessment and Evaluation of PBL

Curriculum Design I: Identifying Skills and Abilities

Curriculum Design II: Evidence of Skills and Abilities

Curriculum Design III: Assignments and Activities

Curriculum Design IV: Constructing a Rubric

Curriculum Design V: Challenges, Barriers and Opportunities

Developing and Reporting Action Plans

Building a Culture of Project-Based Learning

Evaluation

The participants had immersed learning sessions and were exalted by the flow of content delivery by the resource persons.

5. New Initiatives:

The establishment of the Online Studio for now named MOOC studio worth nearly 3 crores with the target date of August 2019 was the major initiative for ASC. This Assignment was taken care by ASC in Association with Centre for technical Support and Software development Cell. The Asst. Director, Dr. Srinivasan Latha and Dr. Ramalingam, Director, MOOC, visited IIT Madras, IIM Bangalore, Sri Ramachandra Medical University and JIPMER, Pondicherry for suggestions. Dr. Mangala Sundaram, IIT M, Dr. Kannan, IIT M, Dr. Sameer and Dr. Sahana from IIT Bombay were just willing to share all their knowledge in this field. Faculty from VIT interacted with the experts periodically. This year the focus was to decide the programs to be offered via on-line and parallel communication with UGC approval was sought. Dr. Srinivasan Latha co-ordinated the preparatory work for process coordination and approval process. Three programs have been decided with the approval of HEI authorities, the same has been applied for UGC approval as per its Notification. Two courses in computer applications. The one on Bio-inspired Design under the leadership of Dr. Ramalingam was taken up by Dr. P.K. Suresh, Dr. Debashish and Dr. Amitava from School of Biosciences and Technology.

This will put VIT on a higher visibility and the team thanked the Management of Vellore Institute of Technology for the idea, motivating the team to dare to dream and make it a reality.


Year -2018-2019

Number of Programs conducted : 194

Number of Participants : 5497

Budget in INR (Lakhs) : 316. 09




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