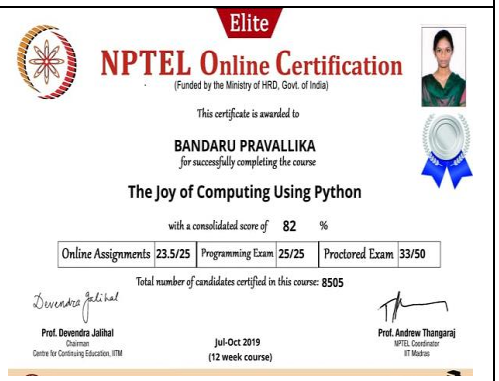
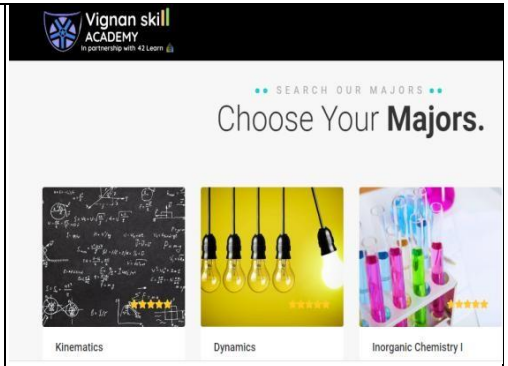
VIGNAN'S LARA
INSTITUTE OF TECHNOLOGY & SCIENCE
Approved by AICTE New Delhi & Affiliated to JNTUK Kakinada
Vadlamudi - 522 213, Guntur District

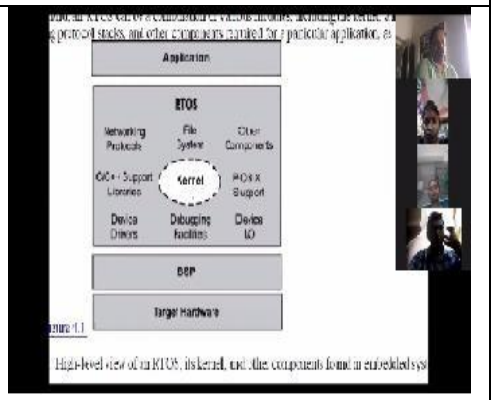
Department of Computer Science & Engineering

Innovations By the faculty in Teaching Learning			
Innovative method	**Process**	**Outcomes**	**Supporting Information**
Flipped Class room	• To make the students more attentive and participative • Relevant material is provided in advance. • It enables the students towards self-learning.	• The level of understanding and interpretation improves. • Able to apply the knowledge in real time applications.	 Subject material / Video Lecture & Flipped Class room (https://youtu.be/8DSD6J-N97c)

Peer Learning	• Identification of student mentors based on Academic performance • Mentors support mentee, who are lagging in their academics.	• Mentees are going to be attaining improvements in their academics. • Leadership quality is enabled among the mentors.	 Active participation of students in Peer Learning
Online Learning **(Self Learning)**	• Students are motivated to learn through NPTEL, Coursera etc., • The students are evaluated on a common learning platform.	• The students are globally competitive. • Skills upgrade through multiple teaching learning methodologies.	 Online Course certificate

RPT **(Revision Practice Test)**	• Revise the topics unit wise by faculty. • Practice the topics by students conduct the test after practicing the topics	• Students are able to pass and obtain merit grades in exams.	 Students involved in RPT
Blended learning	• Blended learning is an approach that combines online educational material with face- to- face interaction. • It provides multiple opportunities through online interaction with traditional classroom methods.	• Provide Access to global resources and materials that meet the students' level of knowledge and interest. • Self-Pacing increases satisfaction. • Better information retention reduces the stress level in slow and quick learners.	 Students engaged in blended learning

VLITS Moodle **(Vignan skill Academy)** moodle	• Provide easy access to the content. • To provide web based personalized environment for easy learning. • Lecture notes, PPTs, Video links, Previous question papers, GATE question papers are uploaded in Moodle server.	• The students are able to access the curriculum study material • Facilitates the students to access content from any location. • Helps the teachers to upload content into a single repository. • Pass percentage rate is increased by adapting this practice.	 **(**https://vignanskills.in/**)** Accessing course materials using Moodle
Mini projects	• Students are motivated to identify the problem related to society and solving the problems with the help of laboratory resources and faculty	• Create opportunities to explore theory • It creates an opportunity to transform the theoretical knowledge into working models.	 Students participate in Projects

Modular courses	• Courses are offered by the industry to make the students skill oriented • Elite courses are offered during summer breaks for advanced learners.	• Gap is able to fill between the industry and academics in order to make students industry ready.	 Students during modular Courses
Virtual class	• Voluntarily a paradigm shift took place in the field of education and flipped to online teaching methodologies to fill the gap due to COVID-19. • Virtual platforms like ZOOM are used to interact with the students, led by a virtual classroom	• No deviation of academic calendar • Both faculty and students experienced virtual classes thus beat COVID-19 • It is observed that absenteeism is minimized during these sessions	 Virtual class

Student Seminars	• The overall objective of this activity is to motivate students for Self-Study and Group Study.	• This best practice enhances Listening ability. Working in a team builds Leadership quality in students • Team building and team spirit of students grows as they work in a Team. The Communication Skills are improved by Oral presentations in seminars. • Sharing of Knowledge happens while preparing. Students learn management skill. Students will be able to deal with conflicting opinions. • Students participated in various seminars by using visual aids.	 Student Seminar

Group Discussion	• To provide students an insight regarding internal working of companies and industries.	• Learn from others experiences and background knowledge. • Students developed listening and interpersonal skills. • Identify and sort out the communication opinions	 Group Discussion