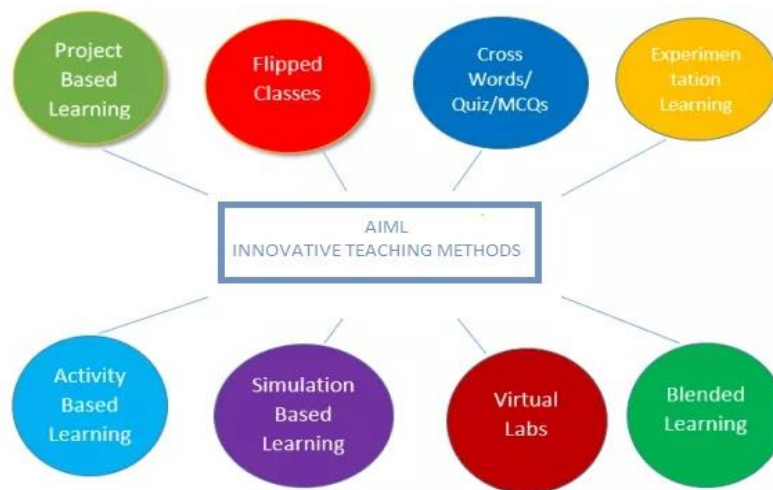




INNOVATIONS BY THE FACULTY IN TEACHING AND LEARNING

INNOVATIONS IN TEACHING:

Innovative teaching methodologies can help faculty deliver their lectures more quickly and efficiently. In an efficient manner, the students can stay up-to-date on technological developments. Innovative teaching aids aid in the development of rational thinking and self-awareness in students by encouraging them to be proactive. Below are a brief summary of some of the innovative teaching techniques adopted by the department:



1. E-LEARNING:

Advanced Learners are encouraged to take up various certification courses, projects based on choice and present papers in conferences/ journals. Students and faculty members are encouraged to register for the NPTEL program/ online certification courses of their own areas of teaching and research interests, for enhancing their teaching skills, smooth conduct of the teaching process in the regular class room teaching and for understanding the potential concepts much effectively. Faculty members are also made as mentors for providing support to the students to complete the course. The students who have not registered for any courses are supported by providing the NPTEL video lectures in the central digital library and a databank of the CDs of all the NPTEL courses that are available in the department library.



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
PERUMALLA GNANA PRASUNA KAVYA SRI
 for successfully completing the course



The Joy of Computing using Python

with a consolidated score of **75** %

Online Assignments	25/25	Proctored Exam	50/75
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Total number of candidates certified in this course: **10672**

Devendra Jalihal

Prof. Devendra Jalihal
 Chairperson,
 Centre for Outreach and Digital Education, IITM

Jan-Apr 2023

(12 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
 NPTEL, Coordinator
 IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS20544370224

To validate the certificate



No. of credits recommended: 3 or 4



Certificate of Participation

This is to certify that **ADDEPALLI SAHITHI** participated in the **Python 3.4.3** training organized at **PACE Institute of Technology & Sciences** in **January 2023** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 3rd 2023

Prof. Kannan M Moudgalya
Prof. Kannan M Moudgalya
 IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.

Execution Plan: The students who have enrolled for different certification courses can use the infrastructure available in the department/institution even after the college timings for completing their courses and some respective faculty members are allotted for supporting them.

Expected outcomes: It helps to enrich the knowledge potentials of students and enhance their employability skills.



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Free Open Source Certification Programs

1. <https://intellipaat.com/academy/>
2. <https://www.guvi.in/>

2. ACTIVITY BASED LEARNING

The Activity-based Learning philosophy is rooted in the idea that learning is best accomplished when it is inspired by the surrounding environment and motivated by optimal learning opportunities. An environment which encourages fearless exploration and the freedom to express oneself adds to the learning outcomes.

Internships

Typically, an internship consists of an exchange of services for experience between the intern and the organization. Internships are used to determine whether the intern still has an interest in that field after the real-life experience. Our students are participated in various internships activities like Codetantra, AWS, Infosys, AICTE internship programs etc.



Learn, Practice and Build

CodeTantra Internship Certificate

Mula Krishna Reddy
has successfully completed

ReactJS
Skill oriented internship with a consolidated score of 76% and consolidated attendance of 75% conducted by CodeTantra Tech Solutions Pvt. Ltd.



Member id: 20KQ1A6148
Dept: CSE-AIML
College Name: Pace Institute of Technology & Science
Continues Assessments: 37/50
Final test: 39/50
Total Score: 76/100

Enrolled on: 11-07-2022
Issued on: 06-08-2022
Certificate No: CT368220806MDBPACE


Mr. D. Murahari Reddy
Technical Trainer


Mr. D. Chandra Sekhar
Head of Programming Courses

Verify at code tantra.com/verify/CT368220806MDBPACE . CodeTantra has confirmed the identity of this individual and his/her participation in the course



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Learn, Practice and Build




CodeTantra Internship Certificate

SRISRI GADIYAPUDI
has successfully completed

MongoDB

Skill oriented internship with a consolidated score of 79% and consolidated attendance of 76% conducted by CodeTantra Tech Solutions Pvt. Ltd.



Member id: 20KQ1A6138
 Dept: CSE-AIML
 College Name: Pace Institute of Technology & Science

Continues Assessments: 40/50
 Final test: 39/50
 Total Score: 79/100

Enrolled on: 11-07-2022
 Issued on: 06-08-2022
 Certificate No: CT319220806MDBPACE


 Mr. D. Murahari Reddy
 Technical Trainer


 Mr. D. Chandra Sekhar
 Head of Programming Courses

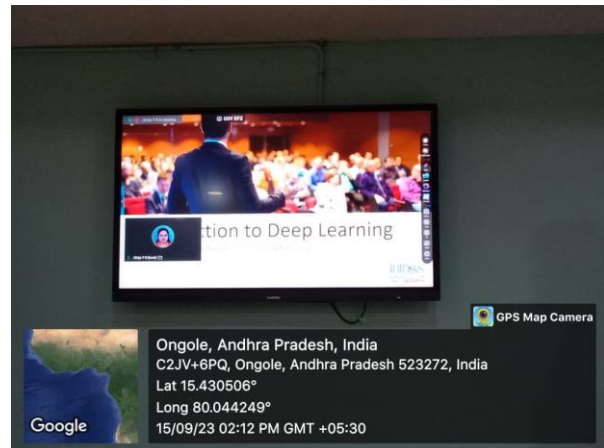
Verify at [codetantra.com/verify/CT319220806MDBPACE](https://www.codetantra.com/verify/CT319220806MDBPACE) - CodeTantra has confirmed the identity of this individual and his/her participation in the course

Internship Resources

1. https://www.amazon.jobs/en/landing_pages/aws-internships
2. <https://internshala.com/>

Workshop

Workshop is a method of teaching which a mix between studio practice and a lecture is. Workshops typically take place with a small group of students (usually between 5 and 30). Workshops are designed to enhance the students' practical skills, and to teach them about the theory and context behind such practice.





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||| COURSE COMPLETION CERTIFICATE |||

The certificate is awarded to

Navya Sri reddy Lakku

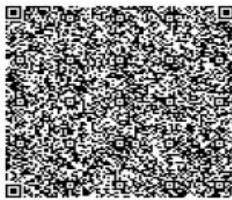
for successfully completing the course

Introduction to Natural Language Processing

on September 15, 2023

Infosys | Springboard

Congratulations! You make us proud!



Issued on: Friday, September 15, 2023
To verify, scan the QR code at <https://verify.ams Infosys.com>

Thirumala Arohi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited

3. BLENDED LEARNING

It is the term given to the educational practice of combining digital learning tools with more traditional classroom face to face teaching. In a true blended learning environment, both the student and the teacher should be physically located in the same space.



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4. VIRTUAL LABS

Virtual labs are interactive, digital simulations of activities that typically take place in physical laboratory settings.

Resources

1. <https://www.vlab.co.in/broad-area-computer-science-and-engineering>
2. <https://vlab.spit.ac.in/ai/#/experiments>
3. <http://vlabs.iitkgp.ac.in/vlt/index.html>
4. <https://praxilabs.com/>

5. MULTIMEDIA LEARNING (ICT CLASS ROOM)

In this, the teacher will deliver some concepts with the aid of Software tools. These learning tools play vital role in delivering subject knowledge. The students can identify the key points of presentation easy way. Live demonstration can be an effective tool to present material in classroom and encourage student learning. Multimedia combines basic types of media into learning environment such as text, audio, video and graphics thus providing a powerful tool for teaching. This allows the students to pay more attention towards the concepts. It also helps the students to think and analyze the concepts in a better way.



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Execution Plan: The teacher explains some topics in their regular teaching process using Software Tools /Animation / Videos to simplify their presentation.

Expected Outcomes:

1. Simple way of presenting subject knowledge than from the regular teaching practices.
2. Student can understand the concepts in a better way.