

## CIRCULAR



**ARKA JAIN**  
University  
Jharkhand

### Department of Computer Science & Information Technology

**Ref. No.: AJU/CS&IT/ /2021-22**

**Date: 11.06.2022**

It is notified for information to all the students that the ***Department of Computer Science & Information Technology, School of Engineering and IT, ARKA JAIN University, Jharkhand*** is going to organize the Value Added Course on **Introduction to Natural Language Processing using Python** from 15<sup>th</sup> June 2022 to 01st July 2022 for all students of the University. The students are hereby advised to register themselves in this session by the end of 14<sup>th</sup> June 2022.

Link for Registration: <https://forms.gle/mm4Ueejv3kp2ocih7>

The Registration link will be active till **10:00AM – 14<sup>th</sup> June 2022**.

Dr. Arvind Kumar Pandey  
Head, Computer Science & IT  
School of Engineering & IT  
ARKA JAIN University

**Copy for information & necessary action please:-**

1. PS to the Vice-Chancellor
2. PS to the Director
3. PS to the Registrar
4. In charge Web Service for Website
5. Notice Board
6. Guard File

## Detailed Report on Value Added Course on Introduction to Natural Language Processing using Python

**From 15-06-2022 to 01-07-2022**

<b>Date of Event</b>	15-06-2022 to 01-07-2022
<b>Name and Type of Event</b>	Value Added Course on Introduction to Natural Language Processing using Python
<b>Conducted by</b>	Ms. AlkaKumari, Dr. Arvind Kumar Pandey
<b>No. Of Participant</b>	18

The Value-Added Course on Introduction to Natural Language Processing using Python was organized from 15-06-2022 to 01-07-2022, in the Department of Computer Science and IT ARKA Jain University, Jamshedpur. The Program was Coordinated by Ms. AlkaKumari and Dr.Arvind Kumar Pandey, Head of CS and IT Department.

In this course, students will be able to :

- Analyze the key concepts of NLP are used to describe and analyze language.
- Understand the concepts of morphology, syntax, semantics and pragmatics of the language and that they are able to give the appropriate examples that will illustrate various concepts.
- Teach them to recognize the significance of pragmatics for natural language understanding.
- Enable students to be capable to describe the application based on natural language processing and to show the points of syntactic, semantic and pragmatic processing.
- Writing programs in python to carry out natural language processing.
- Understanding POS tagging and context free grammar for English language

The value-added course, was initiated by Ms. AlkaKumari on 15-06-2022 in computer Lab of the Dept. of CS & IT Lab at 3:00 PM to 5:00 PM. All the students had joined the course and learned about the Natural Language Processing and learnt, how to solve the lengthy mathematical problems in easy way. Every day they had given some assignment works to do the more practices. The content of the course was completely practical based. In the last day of the program students had appeared in the test and qualified the above-mentioned value-added course with the minimum criteria.

## Poster of the Event:



**ARKA JAIN**  
University  
Jharkhand (Jamshedpur)

**DATE:**  
**15th June**  
**2022**

**VALUE ADDED**  
**COURSE**

**INTRODUCTION TO NATURAL**  
**LANGUAGE PROCESSING**  
**USING PYTHON**

**Computer Science & IT**  
**SCHOOL OF ENGINEERING OF IT**

**REGISTRATION LINK :-**  
<https://forms.gle/yCEBCfnMwJvx8o5x8>

**Convener :**  
**Prof. Arvind Kumar Pandey**

**Organizer :**  
**Alka Kumari**

[www.arkajainuniversity.ac.in](http://www.arkajainuniversity.ac.in)



4	<b>UNIT : 2</b> <b>NLP Tools and approaches</b> <b>Date : 18.06.2022 Time : 1:00 to 3:00 PM</b>	14	A case study on Real Time Data-Part 1 <b>Date : 30.06.2022 Time : 1:00 to 3:00 PM</b>	 <b>ARKA JAIN</b> <b>University</b> Jharkhand (Jamshedpur)
5	Data Cleaning/ Pre-processing in NLP <b>Date : 20.06.2022 Time : 1:00 to 3:00 PM</b>	15	A case study on Real Time Data-Part 2 <b>Date : 01.07.2022 Time : 1:00 to 3:00 PM</b>	
6	<b>UNIT : 3</b> <b>Data Tokenization in NLP using Python</b> <b>Date : 21.06.2022 Time : 1:00 to 3:00 PM</b>	<b>REGISTRATION LINK</b> Please register to participate in the conference by using the link - <a href="https://forms.gle/yCEBCfnMwJvx8o5x8">https://forms.gle/yCEBCfnMwJvx8o5x8</a> <b>VISION OF THE UNIVERSITY</b> To be among the best of the institutions for engineers and technologists with attitudes, skills and knowledge and to become an epicentre of creative solutions. <b>MISSION OF THE UNIVERSITY</b> To achieve and impart quality education with an emphasis on practical skills and social relevance. <b>RESOURCE PERSON</b> Ms. Alka Kumari, Assistant Professor, Department of CS & IT, ARKA Jain University, Jamshedpur Jharkhand Convenor – Prof. Arvind Kumar Pandey Organizer – Ms. Alka Kumari Co-ordinator – Ms. Divya Paikaray <b>Address :</b> Opp. To Kerala Public School, Mohanpur, Gamhari Dist. Seraikela Kharsawan, Jharkhand - 832108 <a href="http://www.arkajainuniversity.ac.in">www.arkajainuniversity.ac.in</a>		
7	Stemming in NLP using Python <b>Date : 22.06.2022 Time : 1:00 to 3:00 PM</b>	 <b>Value Added Course</b> <b>On</b> <b>“Natural Language Processing”</b> <b>15th June – 01st July, 2022</b>		
8	Lemmatization in NLP using Python <b>Date : 22.06.2022 Time : 1:00 to 3:00 PM</b>			
9	<b>UNIT : 4</b> <b>POS Tagging in NLP using Python</b> <b>Date : 24.06.2022 Time : 1:00 to 3:00 PM</b>	<b>Department of</b> <b>Computer Science and IT</b> <b>School of Engineering and IT</b> ARKA Jain University, Jamshedpur, Jharkhand		
10	Remove word Stop in NLP using Python <b>Date : 25.06.2022 Time : 1:00 to 3:00 PM</b>			
11	Case study in NLP <b>Date : 22.06.2022 Time : 1:00 to 3:00 PM</b>			
12	<b>UNIT : 5</b> <b>A case study on Email Spam Detection using NLP</b> <b>Date : 28.06.2022 Time : 1:00 to 3:00 PM</b>			
13	A case study on Movie Review Analysis using NLP <b>Date : 29.06.2022 Time : 1:00 to 3:00 PM</b>			

### Topic of Value-Added Course Date and Time:

Sessions	Topics	Date	Time
	<b>UNIT: 1</b>		
1.	Introduction to NLP: What is NLP? NLP Tasks	15:06:2022	3:00 to 5:00 PM
2.	Basic of Linguistic: Linguistic Knowledge in NLP	16:06:2022	3:00 to 5:00 PM
3.	Stages of analysis in NLP-Pragmatics, Semantics, Syntax, Morphology	17:06:2022	3:00 to 5:00 PM
	<b>UNIT: 2</b>		
4.	NLP Tools and approaches	18:06:2022	3:00 to 5:00 PM
5.	Data Cleaning/ Pre-processing in NLP	20:06:2022	3:00 to 5:00 PM
	<b>UNIT: 3</b>		
6.	Data Tokenization in NLP using Python	21:06:2022	3:00 to 5:00 PM
7.	Stemming in NLP using Python	22:06:2022	3:00 to 5:00 PM
8.	Lemmatization in NLP using Python	23:06:2022	3:00 to 5:00 PM
	<b>UNIT: 4</b>		
9.	POS Tagging in NLP using Python	24:06:2022	3:00 to 5:00 PM
10.	Remove word Stop in NLP using Python	25:06:2022	3:00 to 5:00 PM
11.	Case study in NLP	27:06:2022	3:00 to 5:00 PM
	<b>UNIT: 5</b>		
12.	A case study on Email Spam Detection using NLP	28:06:2022	3:00 to 5:00 PM
13.	A case study on Movie Review Analysis using NLP	29:06:2022	3:00 to 5:00 PM
14.	A case study on Real Time Data-Part 1	30:06:2022	3:00 to 5:00 PM
15.	A case study on Real Time Data-Part 2	01.07.2022	3:00 to 5:00 PM

## List of Students:

Name	University Registration Number (AJU/XXXXXXX)	WhatsApp Number	Course	Email Address
HemantMandal	AJU/210478	6204535644	BCA	hemantmandal2003@gmail.com
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**Certificate of the Event :**

