||Jai Sri Gurudev||
Sri AdichunchanagiriShikshana Trust (R)
SJB Institute of Technology
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi
Accredited by NAAC, New Delhi with 'A' Grade, Recognized by UGC, New Delhi with 2(f) and 12(B)
Certified by ISO 9001- 2015
BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru – 560 060
Website:www.sjbit.edu.in, Email :principal@sjbit.edu.in, Mob:+91-6366041109

Department of Information Science and Engineering

Course Name: NATURAL LANGUAGE PROCESSING **Course Code: 18CS743**

MODULE 1:

Q. No.	Question	CO Mapped	PO Mapped	Blooms Level
1.	What is NLP? Explain two major approaches to NLP.	CO1	PO1, PO2	L2
2.	Explain the components of transformational grammar.	CO1	PO1, PO2	L2
3.	Explain different levels of NLP with example.	CO1	PO1, PO2	L2
4.	Explain different smoothing techniques to handle the data sparseness problem in n-grain model.	CO1	PO1, PO2	L2

MODULE 2:

Q. No.	Question	CO Mapped	PO Mapped	Blooms Level
1.	What is Morphological Parsing? Explain the two step of Morphological parser.	CO2	PO1, PO2, PO3	L2
2.	Explain spelling correction algorithm.	CO2	PO1, PO2, PO3	L2
3.	With example explain basic top down depth first algorithm	CO2	PO1, PO2, PO3	L2
4.	Explain CYK algorithm.	CO2	PO1, PO2, PO3	L2

MODULE 3:

Q. No.	Question	CO Mapped	PO Mapped	Blooms Level
1.	With neat diagram explain functional overview of InFact System.	CO2	PO1, PO2, PO3	L2
2.	Write a short note on: i) The shortest path hypothesis. ii) Learning with dependency path.	CO1	PO1, PO2	L2
3.	With neat diagram explain the learning framework architecture.	CO1	PO1, PO2	L2
4.	Explain the following i) Domain Knowledge ii) Knowledge roles.	CO1	PO1, PO2	L2

MODULE 4:

Q. No.	Question	CO Mapped	PO Mapped	Blooms Level
1.	Explain SVM learning method in Sequence Model estimation.	CO3	PO1, PO2, PO3	L2
2.	Explain Latent Semantic Analysis feedback system.	CO3	PO1, PO2, PO3	L2
3.	Define the following: i) Cohesion ii) Interestingness iii) Coverage iv) Plausibility of origin.	CO3	PO1, PO2, PO3	L2

MODULE 5:

Q. No.	Question	CO Mapped	PO Mapped	Blooms Level
1.	State and explain Zipf's Law.	CO4	PO1, PO2	L2
2.	Explain Non-classical model of IR	CO4	PO1, PO2	L2
3.	With example explain Boolean model for classical information retrieval.	CO4	PO1, PO2	L2

In-Charge

[CHETAN R]

HOD

Dr. Mohan H S

[Professor & Head, ISE]