Natural Language Processing (NLP) (Day-1) 12-08-2023 Meenakelii. UG - V17 Compety N.P Lingues PHD - Research in ML, D CV, MP Adversory ML -> NIP deals with only text data, emotion detection is not considered Mases in NLP. Converting the Sentences with tokens like individual the first card Analysis - Morphology. > Phases in NLP. Syntactic Analysis -> whether the language is following proper rules of the language granus.

* Semantic Analysis Chyproses Understanding the meaning. & Discoon Analysis -> Analysing text in the paragraph level. * Pragnatic Analysis Let the system understand the general day to day conversation en: I drink Tay - Jay de in contest denoting Jay tea not Laj mahal, Laj hotel & Applications: → Some of the applicant.

→ Check Bredit Amodysio Worthiner, Lauguage Translation, Scutiment + Ine of the applications. Analysis, Constoner Support, Work Rording, Communt Similar Legal Cars. Information Retrieval, Information Extraction, QRA-Ghatet, Optical Character Recognition. Test categorization (a classification), Word prediction (Auto compution), Speech recognition (Aluxa), Machine Translation (Gorge Flaubots)

| - Andigning (Challenges of NOP) & Encourage |
|--|
| sword level. |
| en Bank, Can, Bat. |
| A Centence livel. |
| In The man saw the girl withthe telescope. |
| - We saw his duck. |
| * Psagmatic luce. |
| an su if my sandals author ; do not be late; I have to catch the |
| train in 15 minutes. |
| ore there. |
| * Discource level. |
| En The horse ham up the hell It was very steep. It somget tired |
| -) Feature in Texand programing. |
| -> NLP is based on. |
| & Prob. & Stato. |
| 1 Linguistics = |
| & Comon Guse - |
| - Sundand terms. |
| * Coshus : A body of toxt Sunfles. |
| Document: A test Sample. |
| o Language model: Horo the words are Euppoind to be organised. |

| NER - Named Entity Recognition. |
|--|
| Bor Sports > Gicket ? Eutities. - Football - Jennis |
| > NIP NLU > Nat. Long. Understanding. NLG > Nat. Long. Generation |
| NIGO Nat. Lang. Generation |
| -> GAN -> Generative Adversarial Network. |
| - Regular Bopression: |
| * Pattern matching. |
| & Purpose is to to guid the pattern within the corpus. |
| Regon. |
| Usux |
| 7 Web-scarely, |
| -? Retrieval applications. |
| -) Word processing, computation of frequencies. |
| - Basic Regular Patters. |
| -> Suitple text search. |
| RE. /"text"/ |
| 7 It is Cax - xuisitid. |
| -) Disjunction of Characters - |
| Syntano. |
| 7 Range et characters. |
| huger / [a-2]/ |
| |

-> Caret - Negation. - The Caret " a the first symbol after the signal blacked . preceding character is ignored -Olor and Colour. Colou?r > Kleine Operator. I The Kleeve * means " Dero or more occurrences of the immediately previous Character or regular expression. I The Kleene + means " one or more occurances -> Wild Coul expressions. - Syntas /./ eral / beg.n/ ve comuse / or If we need to find only "." 1[.]/ > Auchors: 2 auchor copressions + Court - / 1 / - specifies start of the soutence / Corpus -> Poller - /4/ - specifies end of the sentence

wood boundary - I marched a world boundary white B matelus a non-boundary. - How to specify for en: guppy and guppies. use "1" opened. on / gappy/ / guppylies / -> Refeaters. 2º [a-2] \$ {3} > Advanced operator. ld (0-9) .. ND (no-9) w W 15 (Ir It In It) 18 (1/5) -> of Check the with the name & gmail. com. 8 pell checking: En. Piece I word error. - when peace is written peace @ Non- word ever. inmead of piece. , word error. +> Replaceexa tutor - mispet. 17 lusert. tumour - correct. Removal. 2 Solutions -1 Replace t > m } optimal. 1 Reprodut to Secretary.

1 Insurtin u

Winimum Rdit Disauce Algorithms. backtracking. aecdg Rem. Mispelled Oxiopial N a