Date: 09/05/2022

From

Mr. M. Raja babu,

Head of the Department,

Department of Information technology,

Aditya Engineering College (A).

To

The Principal,

Aditya Engineering College (A).

Respected Sir,

       Sub: Request to grant permission for organizing a Value-Added Course "Latest Trends in Natural Language Processing".

       To enhance the technical abilities of students pursuing B.Tech, the Department of Information technology is proposing to organize Value Added Course entitled "Latest Trends in Natural Language Processing" from 12th May 2022 to 17th May 2022. Hence, I request you to grant permission to organize the program with the necessary arrangements.
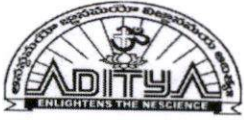
       Thanking you,

Yours truly,

Head of the Department,

Department of IT.

*Head of the Department*
*Department of IT*
*Aditya Engineering College*

## DEPARTMENT OF INFORMATION TECHNOLOGY

Date:10-05-2022

## CIRCULAR

All the IV semester students are here by informed that a Value-added Course on "Latest Trends in Natural Language Processing" is being organized from 12-05-2022 to 17-05-2022. The main aim of this training program is to make you work on Preprocessing techniques in NLP, Bagging, Stemming and Lemmatization of words, applying reinforcement learning algorithms. All the interested students should register their names with the Course Instructor Mr. Antharaju K Chakravarthy on or before 11-05-2022.

**Head of the Department**

Head of the Department
Department of IT
Aditya Engineering College

## COURSE CONTENT

The following topics will be covered

| Topic | Hours |
|---|---|
| Basic Text Processing | 5 |
| Part of Speech Tagging | 5 |
| Language Models | 5 |
| Markov Models | 5 |
| Neural Networks, RNN | 5 |
| LSTM, Bi-LSTM Architectures | 5 |
| Total Hours | 30 |

## COURSE OUTCOMES

At the end of the course student will be able to

- Understand approaches to syntax and semantics in NLP.
- Understand approaches to discourse, generation, dialogue and summarization within NLP.
- Understand current methods for statistical approaches to machine translation.
- Understand machine learning techniques used in NLP, including hidden Markov models.

## RESOURCE PERSON

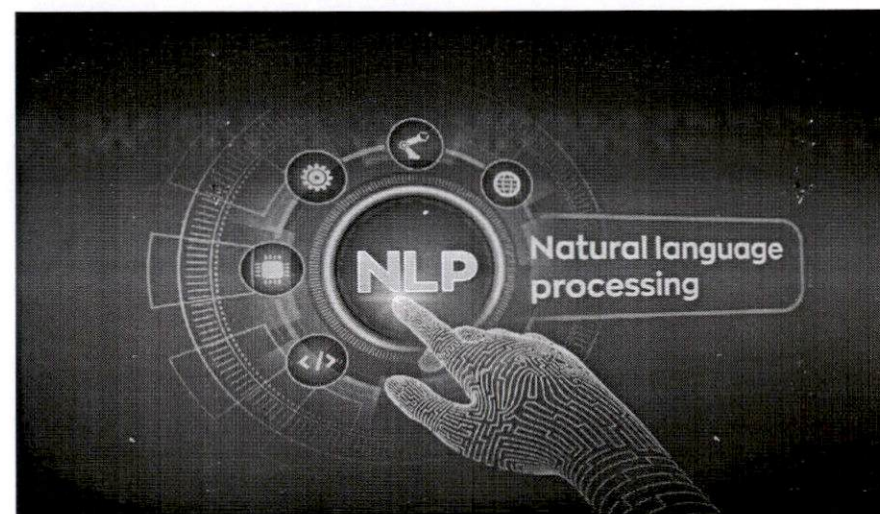Mr. Antharaju K Chakravarthy
Assistant Professor
Department of Information Technology, AEC
Email: kalyan0501@gmail.com

Value Added Course
on
Latest Trends in Natural Language Processing

12th May 2022 to 17th May 2022



Organized by
Department of Information Technology

ADITYA ENGINEERING COLLEGE

## CO-ORDINATOR

Mr. G.Srinivas
Assistant Professor
Email: srinivasg@gmail.com

Head of the Department
Department of IT
Aditya Engineering College

# ADITYA ENGINEERING COLLEGE

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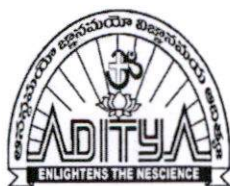## Department of Information Technology

## Value Added Course Report

| Name of the Course | Latest Trends in Natural Language Processing |
|---|---|
| Introduction to Event | To impart knowledge on Bagging, stemming and Lemmatization, for generation of syntax of a language and applying ML algorithms and hidden markov models. |
| Event date | Dates: 12-05-2022 To 17-05-2022 |
| Number of days | 06 |
| Coordinator(s) | Mr.G.Srinivas |

| Agenda/Event Flow | | |
|---|---|---|
| | **Topic** | **Hours** |
| | Basic Text Processing | 5 |
| | Part of Speech Tagging | 5 |
| | Language Models | 5 |
| | Markov Models | 5 |
| | Neural Networks, RNN | 5 |
| | LSTM, Bi-LSTM Architectures | 5 |
| | **Total hours** | **30** |

| No of Students participated and list | 58 and the participant list is Enclosed |
|---|---|
| Target participants | B.Tech IV Semester |
| Participants Attendance Sheet(enclosure) | Enclosed |

| | |
|---|---|
| Resource person(s) | **Mr.A.K.Chakravarthy**<br>**Assistant Professor**<br>**Contact No. 9603264399**<br>**Email: kalyan0501@gmail.com** |
| **Profile of resource person(s) in brief** | Enclosed |
| **Location and venue** | BGB-105, Aditya Engineering College |
| **Outcomes** | At the end of the course student will be able to<br><br>• Understand approaches to syntax and semantics in NLP.<br><br>• Understand approaches to discourse, generation, dialogue and summarization within NLP.<br><br>• Understand current methods for statistical approaches to machine translation.<br><br>• Understand machine learning techniques used in NLP, including hidden Markov models. |

**Course Coordinator**

**Head of the Department**

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## DEPARTMENT OF INFORMATION TECHNOLOGY

### LIST OF STUDENTS REGISTERED FOR LATEST TRENDS IN NATURAL LANGUAGE PROCESSING

| S.NO | Name | Roll No | Semester |
|------|------|---------|----------|
| 1 | ADABALA HANI GANGA BHAVANI | 20A91A1201 | IV |
| 2 | ANGULURI KAVYA SHREE | 20A91A1202 | IV |
| 3 | ANKAM VEERA SATYA GANGA VENI | 20A91A1203 | IV |
| 4 | ARETI RENUKA | 20A91A1204 | IV |
| 5 | B SUNITA | 20A91A1205 | IV |
| 6 | BIRADA VENKATA SAI MANASWITHA | 20A91A1206 | IV |
| 7 | CHALUVADI SAI DEVI AISHWARYA | 20A91A1207 | IV |
| 8 | CHEKURI LEKYA SRI | 20A91A1208 | IV |
| 9 | CHILUKURI SANJU | 20A91A1209 | IV |
| 10 | D S VENKATANARAYANA RAO MUTYAM | 20A91A1210 | IV |
| 11 | DIGHVIJAY SINGH CHAUHAN | 20A91A1211 | IV |
| 12 | ELURI VASAVI | 20A91A1212 | IV |
| 13 | GOSIPATHA VASU | 20A91A1213 | IV |
| 14 | GRANDHI BHARGAVA SAI | 20A91A1214 | IV |
| 15 | INDUGAPALLI KARTHEEK | 20A91A1215 | IV |
| 16 | JALLEPALLI PRASUNA CHANDRIKA | 20A91A1216 | IV |
| 17 | JAVVADI VENKATA KEERTHI SRI NAGA KUMARI | 20A91A1217 | IV |
| 18 | KADALI LAXMIVINEELA | 20A91A1218 | IV |
| 19 | KANIGICHERLA VENKATA NAGA DURGA SREYA | 20A91A1219 | IV |
| 20 | KANURI GEETHA PRAVALLIKA | 20A91A1220 | IV |
| 21 | KARRI PRADEEP KUMAR | 20A91A1221 | IV |
| 22 | KOLUKULA ROHINI PRIYA | 20A91A1222 | IV |
| 23 | KONJARLA REKHA BHAVYA POORNIMA | 20A91A1223 | IV |
| 24 | MADDIPATI ANIL SRI KRISHNA | 20A91A1224 | IV |
| 25 | MADDIPATI NAGA HARSHITHA | 20A91A1225 | IV |
| 26 | MADDUKURI GNANA GITA PRASANTI | 20A91A1226 | IV |

| 27 | MADENA SRIVARSHINI | 20A91A1227 | IV |
|----|-------------------|------------|-----|
| 28 | MAILAPALLI PRAVEEN | 20A91A1228 | IV |
| 29 | MANURI BHAVYA DEEPIKA | 20A91A1229 | IV |
| 30 | MEDABOINA VIJAYKANTH | 20A91A1230 | IV |
| 31 | MEDAPATI DHANA VEERA SUBHADRA LAKSHMI | 20A91A1231 | IV |
| 32 | MUJAVAR MALIKBASHA | 20A91A1232 | IV |
| 33 | NALLALA CHAKRAVARTHI | 20A91A1233 | IV |
| 34 | NARAKULA BHASKARA NARASIMHA SIVA GOWTHAM | 20A91A1234 | IV |
| 35 | NARIGIRI SRINIVASA S S MANI VINAY KUMAR | 20A91A1235 | IV |
| 36 | NAVEEN KUDELLI | 20A91A1236 | IV |
| 37 | NEPALA UDAY KIRAN | 20A91A1237 | IV |
| 38 | PABBIREDDY AKANKSHA | 20A91A1238 | IV |
| 39 | PADALA VENKATA KRISHNA REDDY | 20A91A1239 | IV |
| 40 | PADILAM SANTHOSH MANIKANTA | 20A91A1240 | IV |
| 41 | PALACHARLA CHANDRA RISHIK | 20A91A1241 | IV |
| 42 | PALLIBHATLA LAHARI SREEDHA | 20A91A1242 | IV |
| 43 | PATURI SUDEEP KUMAR | 20A91A1243 | IV |
| 44 | PIRADULA ANITHA | 20A91A1244 | IV |
| 45 | POOJITHA BONTHU | 20A91A1246 | IV |
| 46 | POTHAMSETTI VENKATA SAI RAMA REDDY | 20A91A1247 | IV |
| 47 | POTNURI MAHESH | 20A91A1248 | IV |
| 48 | MUKESH KUMAR SAH | 20A91A1249 | IV |
| 49 | ROUTHU NAGA SHIVA MANOHAR | 20A91A1250 | IV |
| 50 | SHAIK FAYAZ | 20A91A1251 | IV |
| 51 | TALARI UDAY BHASKAR | 20A91A1252 | IV |
| 52 | VADDADI YESWANTH SAI | 20A91A1253 | IV |
| 53 | VANAPARTHI B V M GOVINDARAJ | 20A91A1254 | IV |
| 54 | VANKADARA NAVYA | 20A91A1255 | IV |
| 55 | VELAGALA SAI NITHIN REDDY | 20A91A1256 | IV |
| 56 | VUKKUM SAJEEVA KUMARI | 20A91A1257 | IV |
| 57 | VUTA NAGA JAYA LAKSHMI | 20A91A1258 | IV |
| 58 | YALAKA SRIKANTH | 20A91A1259 | IV |

**Course Coordinator**

**Head of the Department**

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### Department of Information Technology
ATTENDANCE OF STUDENTS FOR LATEST TRENDS IN NATURAL LANGUAGE PROCESSING

| S.NO | Name | Roll No | Sem | 12/05/2022 FN | | | 12/05/2022 AN | | | 13/05/2022 FN | | | 13/05/2022 AN | | | 14/05/2022 FN | | | 14/05/2022 AN | | | 16/05/2022 FN | | | 16/05/2022 AN | | | 17/05/2022 FN | | | 17/05/2022 AN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 1 | ADABALA HANI GANGA BHAVANI | 20A91A1201 | IV | Bhavani | | | Bhavani | | | Bhavani | | | Bhavani | | | Bhavani | | | Bhavani | | | Bhavani | | | Bhavani | | | Bhavani | | | Bhavani | | |
| 2 | ANGULURI KAVYA SHREE | 20A91A1202 | IV | R | | | R | | | R | | | R | | | R | | | R | | | R | | | R | | | R | | | R | | |
| 3 | ANKAM VEERA SATYA GANGA VENI | 20A91A1203 | IV | Grana | | | Grana | | | Grana | | | Grana | | | Grana | | | Grana | | | Grana | | | Grana | | | Grana | | | Grana | | |
| 4 | ARETI RENUKA | 20A91A1204 | IV | Renuka | | | Renuka | | | Renuka | | | Renuka | | | Renuka | | | Renuka | | | Renuka | | | Renuka | | | Renuka | | | Renuka | | |
| 5 | B SUNITA | 20A91A1205 | IV | Sunit | | | Sunit | | | Sunit | | | Sunit | | | Sunit | | | Sunit | | | Sunit | | | Sunit | | | Sunit | | | Sunit | | |
| 6 | BIRADA VENKATA SAI MANASWITHA | 20A91A1206 | IV | Manasi | | | Manash | | | Manasha | | | Manash | | | manash | | | manash | | | manash | | | manash | | | manash | | | manash | | |
| 7 | CHALUVADI SAI DEVI AISHWARYA | 20A91A1207 | IV | SaiDevi | | | SaiDevi | | | SaiDevi | | | SaiDevi | | | SaiDevi | | | SaiDevi | | | SiDevi | | | SaiDevi | | | SaiDevi | | | SaiDevi | | |
| 8 | CHEKURI LEKYA SRI | 20A91A1208 | IV | Lekya | | | Lekya | | | Lekya | | | Lekya | | | Lekya | | | Lekya | | | Lekya | | | Lekya | | | Lekya | | | Lekya | | |
| 9 | CHILUKURI SANJU | 20A91A1209 | IV | Sanju | | | Sanju | | | Sanju | | | Ab | | | Sanju | | | Sanju | | | Sanju | | | Sanju | | | Sanju | | | Sanju | | |
| 10 | D S VENKATANARAYANA RAO MUTYAM | 20A91A1210 | IV | D.S.V Rao | | | D.S.V.Rao | | | D.S.V Rao | | | D.S.V Rao | | | D.S.V.Ra | | | D.S.V.Rao | | | D.S.v.Rao | | | D.S.V.Rao | | | D.S.V.Ra | | | D.S.V.Rao | | |
| 11 | DIGHVIJAY SINGH CHAUHAN | 20A91A1211 | IV | Singh | | | Singh | | | D.Singh | | | Singh | | | Singh | | | Singh | | | Singh | | | Singh | | | Singh | | | Singh | | |
| 12 | ELURI VASAVI | 20A91A1212 | IV | Vasavi | | | Vasavi | | | Vasavi | | | Vasavi | | | Vasavi | | | Vasavi | | | Vasavi | | | Vasavi | | | Vasavi | | | Vasavi | | |
| 13 | GOSIPATHA VASU | 20A91A1213 | IV | Vasu | | | Vasu | | | Vasu | | | Vasu | | | Vasu | | | Vasu | | | Vasu | | | Vasu | | | Vasu | | | Vasu | | |
| 14 | GRANDHI BHARGAVA SAI | 20A91A1214 | IV | Sai | | | Sai | | | Sai | | | Sai | | | Sai | | | Sai | | | Sai | | | Sai | | | Sai | | | Ab | | |

# Department of Information Technology

## ATTENDANCE OF STUDENTS FOR LATEST TRENDS IN NATURAL LANGUAGE PROCESSING

| S.NO | Name | Roll No | Sem | 12/05/2022 | | | | | | 13/05/2022 | | | | | | 14/05/2022 | | | | | | 16/05/2022 | | | | | | 17/05/2022 | | | | | |
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| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 15 | INDUGAPALLI KARTHEEK | 20A91A1215 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | JALLEPALLI PRASUNA CHANDRIKA | 20A91A1216 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | JAVVADI VENKATA KEERTHI SRI NAGA KUMARI | 20A91A1217 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | KADALI LAXMIVINEELA | 20A91A1218 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | KANIGICHERLA VENKATA NAGA DURGA SREYA | 20A91A1219 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | KANURI GEETHA PRAVALLIKA | 20A91A1220 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | KARRI PRADEEP KUMAR | 20A91A1221 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | KOLUKULA ROHINI PRIYA | 20A91A1222 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | KONJARLA REKHA BHAVYA POORNIMA | 20A91A1223 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | MADDIPATI ANIL SRI KRISHNA | 20A91A1224 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | MADDIPATI NAGA HARSHITHA | 20A91A1225 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | MADDUKURI GNANA GITA PRASANTI | 20A91A1226 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | MADENA SRIVARSHINI | 20A91A1227 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | MAILAPALLI PRAVEEN | 20A91A1228 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | MANURI BHAVYA DEEPIKA | 20A91A1229 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | MEDABOINA VIJAYKANTH | 20A91A1230 | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# Department of Information Technology

## ATTENDANCE OF STUDENTS FOR LATEST TRENDS IN NATURAL LANGUAGE PROCESSING

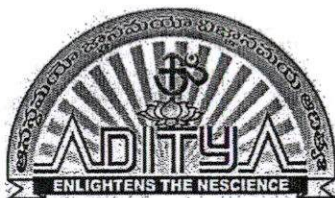| S.NO | Name | Roll No | Sem | 12/05/2022 FN | | | 12/05/2022 AN | | | 13/05/2022 FN | | | 13/05/2022 AN | | | 14/05/2022 FN | | | 14/05/2022 AN | | | 16/05/2022 FN | | | 16/05/2022 AN | | | 17/05/2022 FN | | | 17/05/2022 AN | | |
|------|------|---------|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | MEDAPATI DHANA VEERA SUBHADRA LAKSHMI | 20A91A1231 | IV | Lakshmi | | | Lakshmi | | | Lakshmi | | | Lakshmi | | | Lakshmi | | | Lakshmi | | | Lakshmi | | | Lakshmi | | | Lakshmi | | | Lakshmi | | |
| 32 | MUJAVAR MALIKBASHA | 20A91A1232 | IV | Malik | | | Malik | | | Malik | | | Malik | | | Malik | | | Malik | | | Malik | | | Malik | | | Malik | | | Malik | | |
| 33 | NALLALA CHAKRAVARTHI | 20A91A1233 | IV | N.chakra | | | N.chakra | | | N.chakra | | | N.Chakra | | | N.Chakra | | | N.chakra | | | N.Chakra | | | N.chakra | | | N.chakra | | | N.chakra | | |
| 34 | NARAKULA BHASKARA NARASIMHA SIVA GOWTHAM | 20A91A1234 | IV | N.BS | | | NBS | | | NBS | | | NBS | | | NBS | | | NBS | | | NBS | | | NBS | | | NBS | | | NBS | | |
| 35 | NARIGIRI SRINIVASA S S MANI VINAY KUMAR | 20A91A1235 | IV | S.S Mani | | | S.S Mani | | | S.S Mani | | | S.S mani | | | SS Mani | | | SS Mani | | | S-S Man | | | SS Mani | | | S-S Man | | | S.S Mani | | |
| 36 | NAVEEN KUDELLI | 20A91A1236 | IV | K.Naveen | | | K.Naveen | | | K.naveen | | | K.Naveen | | | K.Naveen | | | K.Naveen | | | K.Naveen | | | K.Naveen | | | K.Naveen | | | K.Naveen | | |
| 37 | NEPALA UDAY KIRAN | 20A91A1237 | IV | Kiranh | | | Kiranh | | | Kiranh | | | Keranh | | | Kiranh | | | Kirant | | | kiran | | | Kiran | | | Kiran | | | Kiranh | | |
| 38 | PABBIREDDY AKANKSHA | 20A91A1238 | IV | Asha | | | asha | | | asha | | | asha | | | asha | | | asha | | | asha | | | asha | | | asha | | | Asha | | |
| 39 | PADALA VENKATA KRISHNA REDDY | 20A91A1239 | IV | P.K | | | P.K | | | P.K | | | P.K | | | P.K | | | P.K | | | P.K | | | Ab | | | P.K | | | P.K | | |
| 40 | PADILAM SANTHOSH MANIKANTA | 20A91A1240 | IV | Manij | | | Manij | | | Manij | | | Manny | | | Manij | | | Manij | | | Manij | | | Manny | | | Mani | | | Manij | | |
| 41 | PALACHARLA CHANDRA RISHIK | 20A91A1241 | IV | Rishij | | | Rishij | | | Rishij | | | Rishi | | | Rishij | | | Roshn | | | Roshn | | | Rishi | | | Rishi | | | Rishik | | |
| 42 | PALLIBHATLA LAHARI SREEDHA | 20A91A1242 | IV | bhari | | | bhari | | | bhari | | | bhari | | | bhari | | | lahari | | | bhari | | | bhari | | | bhari | | | bhari | | |
| 43 | PATURI SUDEEP KUMAR | 20A91A1243 | IV | Kumar | | | Kumar | | | Kumar | | | Kumar | | | Kumar | | | Kuna | | | Kuma | | | Kumar | | | Kumar | | | Kumar | | |
| 44 | PIRADULA ANITHA | 20A91A1244 | IV | P.Anitha | | | P.Anitha | | | P.Anitha | | | P.Anitha | | | P.Anitha | | | P.Anitha | | | P.Anitha | | | P.Anitha | | | P.Anitha | | | P.Anitha | | |
| 45 | POOJITHA BONTHU | 20A91A1246 | IV | Poojitha | | | Poojitha | | | Poojitha | | | Poojitha | | | Poojitha | | | Poojitha | | | Poojitha | | | Poojitha | | | Poojitha | | | Poojitha | | |
| 46 | POTHAMSETTI VENKATA SAI RAMA REDDY | 20A91A1247 | IV | Sai | | | Sai | | | Sai | | | Sai | | | Sai | | | Sai | | | Sai | | | Sai | | | Sai | | | Sai | | |

# Department of Information Technology

ATTENDANCE OF STUDENTS FOR LATEST TRENDS IN NATURAL LANGUAGE PROCESSING

| S.NO | Name | Roll No | Sem | 12/05/2022 FN | | | 12/05/2022 AN | | | 13/05/2022 FN | | | 13/05/2022 AN | | | 14/05/2022 FN | | | 14/05/2022 AN | | | 16/05/2022 FN | | | 16/05/2022 AN | | | 17/05/2022 FN | | | 17/05/2022 AN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 47 | POTNURI MAHESH | 20A91A1248 | IV | Mahesh | | | Mahesh | | | Mahesh | | | Mahesh | | | Mahesh | | | Mahesh | | | Mahesh | | | Mahesh | | | Mahesh | | | Mahesh | | |
| 48 | MUKESH KUMAR SAH | 20A91A1249 | IV | M.K.Sah | | | M.K.Sah | | | M.Ksh | | | M.KSh | | | M.Ksh | | | M.Ksh | | | M.Ksh | | | M.Ksh | | | M.Ksh | | | M.Ksh | | |
| 49 | ROUTHU NAGA SHIVA MANOHAR | 20A91A1250 | IV | RNS Manu | | | RNS Manu | | | RNS Manu | | | RNS Manu | | | RNS Manu | | | RNS Man | | | RNS Manu | | | RNS Man | | | RNS Man | | | RNS Manu | | |
| 50 | SHAIK FAYAZ | 20A91A1251 | IV | Sk fayaz | | | SK fayaz | | | Sk fayaz | | | Skfayaz | | | Skfayz | | | SKfayz | | | Sk fayat | | | Skfayz | | | Skfayat | | | Skfayaz | | |
| 51 | TALARI UDAY BHASKAR | 20A91A1252 | IV | T.uday bhaskar | | | T.uday blaskor | | | T.uday bhasker | | | T.uday bhaski | | | T.uday bhaskar | | | T.uday bhaskar | | | T.uday bhaskar | | | T.uday bhaskar | | | T.uday bhasku | | | T.uday bhaskar | | |
| 52 | VADDADI YESWANTH SAI | 20A91A1253 | IV | Sai.V | | | Sai.V | | | Sai.V | | | Sai.V | | | Sai.V | | | Sai.V | | | Sai.V | | | Sai.V | | | Sai.V | | | Sai.V | | |
| 53 | VANAPARTHI B V M GOVINDARAJ | 20A91A1254 | IV | VBVM Govi | | | VBVM Govi | | | VBVM Govi | | | VBVM Govi | | | VBVM Gov | | | VBVM Gov | | | VBVM Gov | | | VBVM Gov | | | VBVM Gov | | | VBVM Gov | | |
| 54 | VANKADARA NAVYA | 20A91A1255 | IV | Navye | | | Navye | | | Navye | | | Navye | | | Navya | | | Navye | | | Navye | | | Navye | | | Navye | | | Navye | | |
| 55 | VELAGALA SAI NITHIN REDDY | 20A91A1256 | IV | V.Saijothi | | | V.Sainthin | | | V.Sainthin | | | V.Sainithin | | | V.Sainithin | | | V.Sainth | | | V.Sainithin | | | V.Sainithin | | | V.Sainithin | | | V.Sainith | | |
| 56 | VUKKUM SAJEEVA KUMARI | 20A91A1257 | IV | kumari | | | kumari | | | kumari | | | kumari | | | kumari | | | kumari | | | kumari | | | kumari | | | kumari | | | kumari | | |
| 57 | VUTA NAGA JAYA LAKSHMI | 20A91A1258 | IV | V.N.jlaksh | | | V.Nj.lakshm | | | V.Nj.lakshm | | | V.Nj.lakshm | | | V.Nj.laksh | | | V.Nj.laksh | | | V.Nj.laksh | | | V.Nj.laksh | | | V.Nj.laksh | | | V.Nj.laksh | | |
| 58 | YALAKA SRIKANTH | 20A91A1259 | IV | Srikanth | | | Srikanth | | | Srikanth | | | Srikanth | | | Srikanth | | | Srikanth | | | Srikanth | | | Srikanth | | | Srikanth | | | Srikanth | | |
| | Course Coordinator | | | G | | | | | | G | | | | | | G | | | | | | G | | | | | | G | | | | | |

**Course Coordinator**

**Head of the Department**

Head of the Department
Department of IT
Aditya Engineering College

# ADITYA ENGINEERING COLLEGE

**An Autonomous Institution**
Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade
Recognised by UGC under sections 2 (f) and 12 (B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem- 533437, Near Kakinada, E.G. Dt., Ph: 99498 76662

## *Department of Information Technology*

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. __K. PRADEEP__ bearing roll no __20A91A1221__

of __IV__ Semester has completed the **Value-Added Course** **"Latest Trends in**

**Natural Language Processing "** during the period 12-05-2022 to 17-05-2022.

**Course Coordinator**

**Head of the Department**

*Head of the Department*
*Department of IT*
Aditya Engineering College

# RESUME

**ANTHARAJU K CHAKRAVARTHY**

S/O. Srinivasa rao

Door No: 72-5-11,

Subbarao peta,                    E-Mail: kalyan0501@gmail.com

Lalacheruvu,                       Mobile No: 91-9703464137.

Rajahmundry,

Andhra Pradesh -533105.

**Career Objective :**

To accomplish and fulfill my desire to be happy in an environment where I can offer my knowledge and experience. To learn more as I grow in an organization which is willing to give me a chance to improve and use my skills that I have and am willing to learn, if given the opportunity.

**Academic Profile :**

| Name of the Degree | College/Institution | Board/University | Year of Passing | Percentage/CGPA |
|---|---|---|---|---|
| M.Tech. (CSE) | Sri Sai Aditya Inst of Science&Technology, Surampalem | JNTU Kakinada. | 2014 | 74.50% |

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| | | | | |
|---|---|---|---|---|
| B.Tech.<br>(CSE) | Sri Sai Aditya Inst of Science&Technology, Surampalem | JNTU Kakinada.. | 2011 | 63.25% |
| Intermediate<br>(M.P.C) | B.S.R Jr college,Gokavaram | Board Of Intermediate Education | 2007 | 64.54% |
| SSC | Govt High School,Rampachodavaram | Board of Secondary Education. | 2005 | 78% |

**Technical Skills :**

   **Programming Languages**     : C, C++, Core Java.

**Web Technologies**     : HTML, Java Script.

**Operating Systems**     : Windows.

**Packages**     : MS-Office.

   **Data Bases**     : Oracle 9i,10g.

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**Subjects Taught :**

- Computer Networks.
- Computer Organization.
- Computer Architecture.

**Abilities :**

- Self motivation, initiative with a high level of energy.
- Verbal communication skills.
- Decision making, critical thinking, organizing and planning.
- Patience.
- Tolerant.

**Organizing Skills :**

- Participated in 1 Day workshop on LATEX.
- Participated in 2 Day workshop on BIG DATA.

## Publications:

- Published A Paper on "Trust Based Routing Protocol for Multi-Hop Wireless Networks" in IJRCSMS International Journal.

- Published a Paper on "A Secure Distributed Code Discovery in Wireless Sensor Networks"in International Journal of Advanced Research in Science and Engineering .

### Work Experience : 2 Years.

| S.No | College/Institute | Designation | From | To |
|------|-------------------|-------------|------|-----|
| 1 | Aditya College Of Engineering & Technology, Surampalem. | Assistant Professor | 23-08-2011 | Till date |

## Project:

**Project Name:** Trust Based Routing Protocol for Multi-Hop Wireless Networks.

**Language used:** Java.

Description: In a multi-hop wireless Network the mobile nodes acts as a router to forward packets, which are generated from the other nodes. There is no fixed infrastructure for routing purpose. The multi-hop wireless Network nodes need to spare their resources and time in order to accomplish this task. However malicious nodes do not co-operate but makes use of fairness and performance of the network. These type of nodes reduces the network performance. In this paper, we propose a Trust based routing protocol for multi-hop wireless Networks TBRP (Trust Based Routing Protocol) based on

Trust value. In this The Trust Value (TV) plays a vital role in the route detection. The TV can be calculated based on the low mobility, broken links and large hardware resources. Based on the Trust value we will route message through highly trusted nodes to minimize the probability of dropping the message and thus improve the network performance.

**Personal Profile :**

| | |
|---|---|
| Date of Birth | : 02-JUL-1990. |
| Gender | : Male. |
| Nationality | : Indian. |
| Strengths | : Positive Attitude, Confidence, Sincere towards Work. |
| Hobbies | : Watching news channels, Surfing Net, Playing Games. |
| Languages known | : Telugu, English, Hindi. |

## Declaration :

I, A. K. Chakravarthy here by declare that I will do my best and sincerely and earnestly to keep up the reputation of your Organization. I will also do my job keeping with the principles of your Organization.

Place :                                        Thanks & Regards,

Date :                                         (A. K. Chakravarthy)

Head of the Dep.
Department of IT
Aditya Engineering College