REPORT
on
Ten-day workshop on Machine Learning Handon
03rd - 12th March 2023

Lakireddy Bali Reddy College of Engineering (A) has organized ten-days workshop on Machine learning Handon from ***03rd - 12th March 2023***. The program conducted by Dept. of IT. The total number of students participated are above 70 from III Years.

Resource Person: *Anish Sunkara, Infinity Automation Solutions*

Day 1 (03rd March,2023):

FDP was inaugurated on 03rd March,2023 by all the IT department Staff Members

The day started with the welcome speech given by the III year student and continued the workshop.

Topics Covered:
- Machine learning basics
- Data Acquisition and Preparation, Setup of Environment, RegEx
- Supervised learning, unsupervised learning, and reinforcement learning
- Handling missing values, normalizing features, and dealing with outliers
- TensorFlow or scikit-learn, and setting up integrated development environments (IDEs)
- Learning and Mastering RegEx

Day 2,3 (04rd, 5th March,2023):

Following topics are covered on the second and third day

Topics Covered:
- Text based Analysis, Hands on workshop, Capstone Project
- Sentiment analysis, topic modeling, and text classification.
- Natural language processing (NLP) tools and algorithms
- Data sets, coding algorithms, and experimenting with machine learning models
- Complete machine learning solution from start to finish

Day 4 (6th March,2023):

Following topics are covered on the fourth day

Topics Covered:
- Capstone Project Help Session
- Detailed explanation of project

Day 5,6 (7th 8th March,2023):
Following topics are covered on the fifth, sixth day
Topics Covered:

- Students implementing the capstone Project under the guidance of resource person

Day 7,8 (9th 10th March,2023):
Following topics are covered on the seventh, eighth day
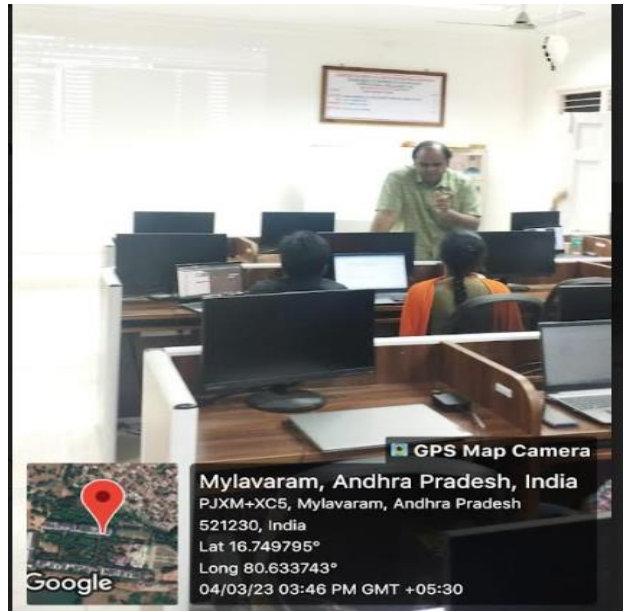**Topics Covered:**

- Students project Presentations.

Day 9,10 (11th 12th March,2023):
Following topics are covered on the ninth, tenth day
Topics Covered:

- Solving the issues and limitations of student project

The last day session ended with the vote of thanks by a III year student.

Brochure

Resource Person:
Anish Sunkara,
Infinity Automation Solutions

Eligibility:
- All the III-year students.

Registration Fee Particulars:
- Registration Fee:500/-

Registration Link:
https://tinyurl.com/2p92yr9z

Important Dates:
Last Date for Registration: 28/02/2023

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (A)
Accredited by NAAC & NBA
(CSE, IT, ECE, EEE, MECH)
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada
L.B. REDDY NAGAR, MYLAVARAM, N.T.R DIST., A.P.-521 230.

COMMITTEE MEMBERS

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1. Sri L. Jaya Prakash Reddy, Honorary Chairman
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Conveners:
1. Dr. B. Srinivasa Rao,
   Professor & HOD , IT

Coordinators:
1. Ch.Sambhasiva Rao, Sr. Asst Prof, Dept. of IT
2. A.Sarvani, Sr. Asst Prof, Dept of IT
3. K.Raviteja, Asst Prof, Dept of IT

Organizing Committee:
All the Faculty Members of
Department of IT,

TEN-DAY Hands on-Workshop
On
Machine learning Hands on
(03rd - 12th March 2023)

MACHINE LEARNING PROJECTS

Organized by:
Departments of IT

(Rank Band: 251-300 India Rankings 2022)
(Under Tier-I)

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
Accredited by NAAC & NBA (CSE, IT, ECE, EEE, MECH)
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada L.B. REDDY NAGAR, MYLAVARAM, N.T.R DIST., A.P.-521 230.

LBRCE was founded through Lakireddy Bali Reddy charitable trust in 1998 which stands for quality technical education which is exemplified by the continuous strides it has taken towards excellence in the last two decades. Started with an intake of 180 and now our intake is of 1164 Students. It has got Autonomous Status in the Year 2010 from UGC, which is extended for a period of 06 years in 2016. We were accredited with NAAC and NBA (CSE, IT, ECE, EEE & MECH) under Tier-I valid up to 2021-22. The College has also been awarded 2(f) and 12(B) statuses, apart from the recognition as a 'College with Potential for Excellence (CPE)' from the UGC. We take pride to have large pool of well-qualified and experienced faculty.

About the Departments:
The Department of Information Technology at the LBRCE was established in 1998, with an intake of 40 students, was subsequently increased to 60 students in the year 2001, 120 students in the year 2019. Department was accredited by NBA in the year 2008 for the period of three years and in the year 2019 under Tier-I, valid up to A.Y: 2024-25. Artificial Intelligence and Data Science (AI &DS) was established in the year 2020 with an intake of 60 students and was increased to 120 students in the year 2021, is an undergraduate

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Contents of the Workshop:
Day 1(3/03/2023): Data Acquisition and Preparation, Setup of Environment, RegEx

Day 2,3(04/03/2023,05/03/2023): Text based Analysis, Hands on workshop, Capstone Project

Day 4(06/03/2023): Capstone Project Help Session and detailed explanation of project

Day 5,6(07/03/2023, 08/03/2023): Implementing the capstone Project under the guidance of resource person

Day 7(09/03/2023): Student Presentation

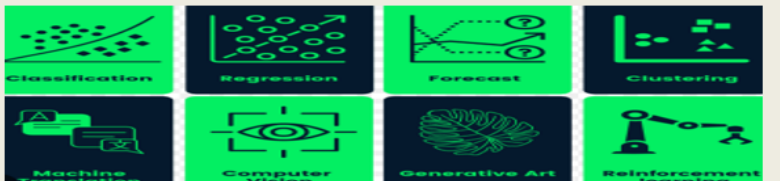Day 8(10/03/2023): Student Presentation

Day 9,10(11/03/2023,12/03/2023): Solving the issues and limitations of student project

Prerequisites:
- Basic Programming Knowledge

About the Workshop:
- Machine Learning bundles the sheer flood of the information and offers you a compact overview of theory and practice in machine learning.
- You receive the hand-on knowledge to integrate enormous potential of machine learning along with SQL, Data Science concepts.
- This workshop is very practice-oriented. Half of it consists of applied exercises on the consistent topic. This helps to learn the relevant methods and practices around machine learning.
- At the end of the workshop, students get master over the Machine learning Projects with various case studies.

Invitation

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK, Kakinada
L.B. Reddy Nagar, Mylavaram, NTR District, Andhra Pradesh - 521230

INAUGURATION
of
Ten-Day Workshop
on
"Machine Learning Handon"
(03rd - 12th March 2023)

Date & Venue
3st March 2023, Wednesday–09:3A.M
CI Lab, Ground Floor, 5th Block

Chief Patrons
Sri L. Jaya Prakash Reddy, Honorary Chairman
Sri L. R. N. K. Prasad Reddy, Chairman
Sri L. Vijay Kumar Reddy, Vice-Chairman

Patrons
Sri G. Srinivasa Reddy, President, LBRCT
Dr. K. Appa Rao, Principal
Dr. K. Harinadha Reddy, Vice-Principal
Dr. M. Srinivasa Rao, Dean of Academics

Guest of Honor
Anish Sunkara, Infinity Automation Solutions

Conveners
Dr. B. Srinivasa Rao, Professor & HOD, Dept of IT
Coordinators
Ch. Sambasiva Rao, Sr. Asst Prof, Dept of IT
A. Sarvani, Sr. Asst Prof, Dept of IT
K. Raviteja, Asst Prof, Dept of IT
Organizing by
LBRCE, Department of IT