TechnoPhilia

Create Stimulate Emulate

Editors :

Prof.R.Ramesh,CSE.
Assoc.Prof.P.G. K.Sirisha,CSE.

Advisors:

Dr. Ch. Aruna Professor,CSE
Dr. G.MuraliProfessor,CSE

Dr. B. Bhanu Prakash, CSE
Dr.R.V.KishoreKumar,CSE
Dr.S.Radha Krishnan,CSE

Contents:

Studentcoordinators

M   KranthiKumar
(18JR1A05A0)Sk.EesubVali
(18JR1A05G2)
B.SaiSilpa   (19JR1A0507)
B.SaiManaswini (19JR1A0506)

DepartmentofComputerScienceandEngineering

KKR&KSRInstituteofTechnologyandSciences
Vinjanampadu, Vatticherukuru Mandal, Guntur, Andhra Pradesh – 522017Email:hodcse@kitsguntur.ac.in

About the Department

The KKR & KSR Institute of Technology and Sciences was established Computer Science and Engineering stream in the year of 2008. The Department of Computer Science and Engineering educates knowledge of computer and it's engineering. Almost all fields are computerized to have an ease of handling the problems of designing, manufacturing, maintenance, servicing, researching, marketing and accounting. The B.Tech in Computer Science and Engineering program includes computer operations on different languages, data generation, collection and utilization of information. The Department is implementing OBE based education.

Vision	Mission
To become a reputed center in computer Science and systems engineering for quality, competency and social responsibility	1. Providing a strong theoretical and practical education in a congenial environment. 2. Providing additional skills and training to meet the current needs of the industry. 3. Inculcating ethical values to meet the challenges of life with courage and confidence.

Department Achievements

GuestLectures/Seminars/Workshops/FDPs/Webinars/Conferences AttendedorOrganized

S.No	Name of the faculty	Type of Event Attende	Title of the Event	Venue of the Event	No of Days Attended
1	MURUKUTLA HANUMANTHARAO	FDP	Cyber security	Lakireddy balireddy college of engineering	5
2	MANDALAPU SRINIVASA RAO	WORKSHOP	Improving Institute Industry Interaction & Consultancy	VR Siddhartha Engineering College	1
3	MANDALAPU SRINIVASA RAO	SEMINAR	Cyber Security & Data Science - Life Changing Future Ready Technologies	CMR Institute of Technology, Hyderabad	2
4	RAJESH REDDY MULEY	FDP	Exploring Machine Learning and Deep Learning Algorithms for Natural Language Processing (NLP) Applications(AICTE-ATAL)	VNR Vignana Jyothi Institute of Engineering &Technology, Hyderabad (Online)	5
5	RAJESH REDDY MULEY	STTP/ TRAINING PROGRAM	" Featured Funding Opportunities for NGOs and Academic Institute-November-2021	Navjivan Centre for Development (NCD) (Online)	1
6	Dr.S.RADHAKRISHNAN	FDP	DEEP LEARNING FOR NATURAL LANGUAGE PROCESSING	ONLINE	5

Faculty Publications:

S.NO	Name of the Faculty:	Title of the Paper:	Name of the Journal/ Conference:	Volume No:	Issue No:	ISSN/ ISBN No:	Publication/ Conference Date:	Journal Indexing/ Conference Type:	Impact factor of the Journal:
1	KAMJULA LAKSHMI KANTH REDDY	Enhancing Energy and Life Time of Wireless Sensor Network based on Cluster Intra And Inter Optimum Path Routing Algorithm	NVEO – Natural Volatiles & Essential Oils Journal	8	4	9037-9050	11/29/2021	Scopus	0.16

One Week ML/AI BOOTCAMP
8th November to 13th November, 2021

Description:
To meet the ever-demanding prerequisites of the knowledge industry, Boot camps and Training Programs have always been an effective tool to enrich the student's community. This one week training program is conducted by the Department of Computer Science and Engineering, KKR & KSR Institute of Technology and Sciences on "**ML/AI BOOTCAMP**" in association with **madBlocks Academy, Hyderabad**. Total 120 Students from 3rd CSE, KKR & KSR Institute of Technology and Sciences were participated in the Boot Camp. The participants obtained deep insights on Artificial Intelligence, Machine Learning.

Team Member of ML/AI BOOTCAMP:
> Shri KoyiSubbarao, Chief Parton, Chairman
> Shri KoyiShekar, Chief Parton, Secretary
> Dr. P. Babu, Parton, Principal
> Dr. K Hari Babu, Parton, Academic Director
> Prof. R. Ramesh, Head of CSE
> Mr. B.Prasanna Kumar, Associate Professor, Dept. of CSE
> Mr. M.Ayyappa Chakravarthy, Associate Professor, Dept. of CSE

Schedule:
Day - 1
Introduction to Bootcamp
git Installation
Creating a local repo
Pushing local repo to remote
MQTT Protocol
MQTT Protocol Implementation on Google Colab

Day - 2
git Commands Practice
mongodb Software Installation
mongodb commands
mongodb python script to store and read data
Introduction to Machine Learning

Day - 3
git Commands Practice
Data Pre-Processing Template
Salary Prediction using Simple Linear Regression

Day - 4
Flask Template
Deployment of Salary Prediction System
Startup Profit Prediction System usig Multiple Linear Regression
Day - 5

IBM Certification Exam
Salary Estimation using Polynomial Regression
Social Networking Advertisement Analysis using Logistic Regression
Crop Prediction System using KNN Classification

Day - 6
madBlocks Git Certification Exam
Health Analyser using Machine Learning Model
Deployment on Heroku - Salesforce Platform
Supervised and Unsupervised Machine Learning Models
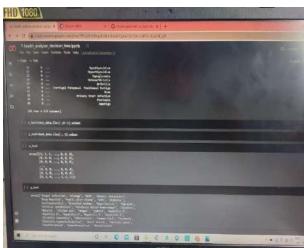Mobile App for Machine Learning

Inaugural Addressing by Dr. Ch. Aruna, Professor of CSE

Session by Madhu Parvathaneni,

Participants working on the lab exercises

One Week IOT/ML BOOTCAMP
15th November to20th November, 2021

Description:
To meet the ever-demanding prerequisites of the knowledge industry, Boot camps and Training Programs have always been an effective tool to enrich the student's community. This one week training program is conducted by the Department of Computer Science and Engineering&Information technology, KKR & KSR Institute of Technology and Sciences on "**IOT/ML BOOTCAMP**" in association with **madBlocks Academy, Hyderabad**. Total 130 Students from 3rd CSE&IT,KKR & KSR Institute of Technology and Sciences were participated in the Boot Camp. The participants obtained deep insights on Artificial Internet of things, Machine Learning.

Team Member of IOT/ML BOOTCAMP:
Shri KoyiSubbarao, Chief Parton, Chairman
Shri KoyiShekar, Chief Parton, Secretary
Dr. P. Babu, Parton, Principal
Dr. K Hari Babu, Parton, Academic Director
Prof. R. Ramesh, Head of CSE
Mrs. P. G. K. Sirisha, Associate Professor, Dept. of CSE

Schedule:
Day-1

1. Introduction to IoT
2. Tinkercad Intro
3. Arduino Syntaxes
4. Interfacing LED
5. Interfacing Button
6. Printing Hello World

Day-2

1. Interfacing PIR Sensor
2. Interfacing Ultrasonic Sensor
3. Interfacing L293D
4. Interfacing Servo Motor

Day-3

1. NodeMCU Basics
2. Interfacing Light Sensor
3. Interfacing IR Sensor
4. Interfacing Ultrasonic Sensor
5. Interfacing DHT11 Sensor

6. Interfacing Servo Motor

Day-4

1. Thingspeak Basics
2. MQTT Protocol Basics
3. Publishing the Sensory Data to Thingspeak

Day-5

1. git Basics
2. Publishing project to github
3. Machine Learning Basics
4. Data Pre-Processing Template

Day-6

1. Deployment of ML Project
2. Chatbot - IoT
3. IoT Sensory ML Model

Placement News for November-2021

- Hexaware On-Campus Drive was conducted on 01st and 11th November, 2021. 8 students got selected from CSE with an annual package of **4.0 LPA**. The details are below:

sno	Regno	Name
1	18JR1A0530	INTURI MADHURI
2	18JR1A0555	GAVIRIBOINA SIVASAI
3	18JR1A0571	KURAPATI MOHITHA
4	18JR1A0575	MADDULA MONIKA
5	18JR1A05C9	SHAIK PARVEENA
6	18JR1A05E4	VENNA RUPA SRI THANMAI
7	18JR1A05G1	SHAIK AFZAL BASHA
8	18JR1A05G6	SIKHAKOLLI SAI ABHINAV

- Apps Associates On-Campus Drive was conducted from 11th to 29th November, 2021. 6 students got selected from CSE and received Offer Letter with an annual package of **5.5 LPA**. The details are below:

sno	Regno	Name
1	18JR1A0534	AGARTHI PHANEENDRANADH
2	18JR1A0552	DANDAMUDI GOPI KRISHNA
3	18JR1A0555	GAVIRIBOINA SIVASAI
4	18JR1A0556	GOLLAPATI TRISANTHI SWAROOP
5	18JR1A0572	KUTALA NAGA BHARGAVI
6	18JR1A05B7	PRATHI SUMITHRA

DepartmentofComputerScienceandEngineering