MHRD- IIC Hackathon on Machine Learning

1. Objective of the Event: Objective of the event is to bring out the innovative ideas from the young minds to solve the problems related to various domains of the society using Machine Learning techniques.
2. About the Program/Event: Thirty Six hours Hackathon on Machine Learning for II CSE students by the Department of CSE at KKR & KSR Institute of Technology & Science, by madBlocks Pvt Ltd.
3. Details of External Participants: NIL
4. Details of Resource Person1 :
    a. Name: Madhu Parvathaneni
    b. Address: 256P/2, Pragathi Nagar, Kukatpally, Hyderabad-82
    c. Qualification: M. Tech
    d. Designation: Director, madBlocks Technologies Pvt Ltd
    e. No of Patents:
    f. No of Publications:
    g. Years of Experience:10
    h. Awards: Intel award for promoting technology in higher education

    Details of Resource Person 2:
    a. Name: Archana Begari
    b. Address: 256P/2, Pragathi Nagar, Kukatpally, Hyderabad-82
    c. Qualification: M.Tech
    d. Designation: Director, madBlocks Pvt Ltd
    e. No of Patents: NIL
    f. No of Publications:
    g. Years of Experience:6
    h. Awards:
5. Venue of the Event: Seminar Hall, KKR & KSR Institute of Technology & Sciences
6. Date & Time of the Event:26-9-19 to 27-9-19
7. No of Students Participated: 180
8. Year, Branch & Section of Students: II Year, CSE A, B, & C
9. No of Faculties Participated:35
10. One Student Member Feed Back:

I am Ch. Vishnu Vardhan Reddy (18JR1A0549) of IICSE- I section and I am very happy to share my experience of the Hackathon on Machine learning. First of all I would like to thank our management and Department of CSE for arranging such a wonderful platform for the Hackathon on of the latest areas of technology- Machine Learning.

This Hackathon was organized very well and provided us delicious snacks and drinks, a nice kit containing t-shirt, sketchbook and a pen. Organizers were very energetic, gave Personal assistance and team presentations were open.

11. Promotion of the Event on the Social Media Website: Yes
12. Promotion of the Event on the University/College Website: Yes
13. Event Photographs:






14. 1-2 minutes video of the Event:
15. Benefit in terms of learning/Skill/Knowledge obtained:

This Hackathon promoted awareness on the applications of Machine Learning and lead the students to develop solutions to support meaningful social, economic and technological advancements directed at making people's lives better and to help bring the benefits of innovation in AI to various communities in our country." Some of the projects which were developed by the students are smart vaccine box, smart ATM, Smart Bike, Smart Irrigation System, Crop Protection, Smart Jacket, Smart Band for women, Automatic Railway Gate,

Automatic head light dimmer, Smart crop theft detector, Automatic door system, Smart Poppina, Cab safety system, Smart medicine box, smart start using finger print sensor, Advanced smart field, Smart sprinkle, Smart storage, Smart parking, gesture controlled home automation and Air bags for two wheelers.

16. Expenditure Amount: 50,000/-
17. Remarks:
18. Experiences and Output of the Session:

    Machine learning has emerged with big data technologies and high-performance computing to create new opportunities for data intensive science in the multi-disciplinary agri-technologies domain. In this Hackathon projects were done related to crop management, including applications on yield prediction, disease detection, crop quality, and species recognition, water management; and soil management. By applying machine learning to sensor data, farm management systems are evolving into real time artificial intelligence enabled programs that provide rich recommendations and insights for farmer decision support and action. Students exhibited prototypes, simulations and implementations as solutions for their selected problems. They provided solutions using ML techniques to solve various real life problems in and around the society related to the areas of Agriculture, Road safety, medical and health, railways, home automation and safety, security systems etc. Some of the exhibited projects are smart vaccine box, smart ATM, Smart Bike, Smart Irrigation System, Crop Protection, Smart Jacket, Smart Band for women, Automatic Railway Gate, Automatic head light dimmer, Smart crop theft detector, Automatic door system, Smart Poppina, Cab safety system, Smart medicine box, smart start using finger print sensor, Advanced smart field, Smart sprinkle, Smart storage, Smart parking, gesture controlled home automation and Air bags for two wheelers.