Academic Year: 2018-19

Best Projects (U.G)

S.No.	Name of the Student(s)	Project Title	Areas of Specialization	Type	Contribution/Achievement/ Research Output	Matching with the stated POs and PSOs
1	M.H.V.A Sri Vyshnavi - 15A81A0528 T.Supriya - 15A81A0545 E.Vamsi - 14A81A05D6 **Project Supervisor** **Mr.Ch. Raja Ramesh**	Plant Recognition using Convolutional Neural Networks	Machine Learning	Application	Plant identification is an important task for researchers, students, and Practitioners in field of the agriculture, forest, biodiversity protection. The main challenge is to identify the close species which are diverse in Nature with high intra class variations and small inter class variations and with high accuracy .We propose novel steps during the training stage to ensure robustness, accuracy and real-time classification.	PO(1,2,3,4,5,9,10,11,12) PSO(1,2)
2	A.S. Ruchitha- 15A81A0565 S. U. Maheswari - 15A81A05A7 K.Kavya Sree - 15A81A0582 **Project Supervisor** **Mrs.N. Hiranmai**	Arduino based Water Quality Monitoring System	IOT	Application	The water quality measuring system that we have implemented checks the quality of water in real time through various sensors (one for each parameter : pH, temperature) to measure the quality in water. These parameters are used to detect whether the water is contaminated or not. The measured values from the sensors can be processed by the WiFi module to the user by using Internet of Things. So the user knows whether the water is good for irrigation process.	PO(1,2,3,4,5,9,10,11,12) PSO(1,2)

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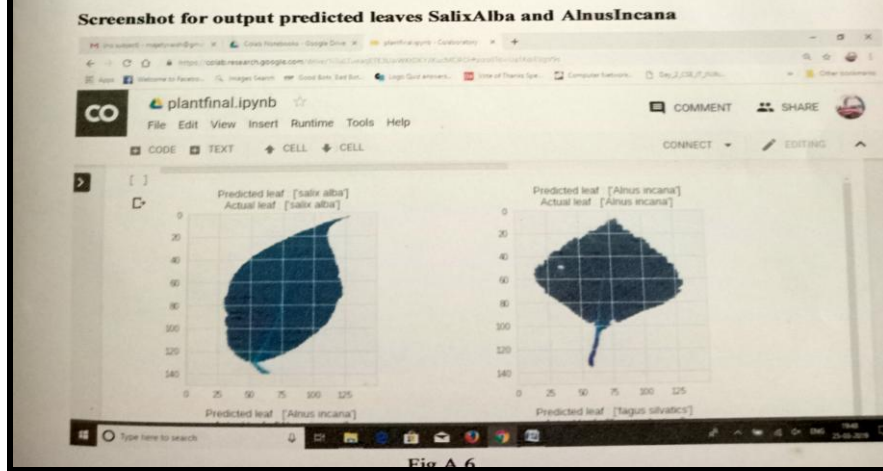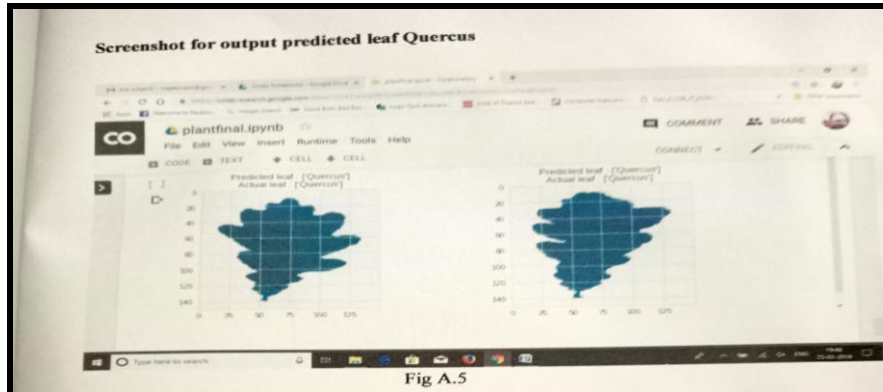
S.No.	Name of the Student(s)	Project Title	Areas of Specialization	Type	Contribution/Achievement/ Research Output	Matching with the stated POs and PSOs
3	Sh. Izaz Ahmad - 15A81A05H1 S. Karthik - 15A81A05G8 G. Karthik - 15A81A05E0 **Project Supervisor** **Mr.M.R. Raja Ramesh**	Efficient Question Paper Setting to meet OBE concepts	Web based	Application	It generates the Question paper based on the various design constraints such as different Knowledge levels, whether it covers all units from a syllabus of a course and whether it covers required course outcomes. The logic in this system will be having the format of the question paper, coverage of syllabus, coverage of the difficulty level. The design of composing the question paper with an efficient logic will give you high success rate. From the values that we enter as an input, the question paper will be generated automatically.	PO(1,2,3,4,5,9,10,11,12) PSO(1,2)
4	A.S.S Kumar - 15A81A05I5 B.S. Durga - 15A81A05I9 B. Swaroopa - 15A81A05I8 **Project Supervisor** **Mr.G. Sri Ram Ganesh**	IOT based Smart Car Parking System	IOT	Application	We use IOT Gecko for online connectivity and IOT management GUI design. The system detects if parking slots are occupied using IR sensors. Also it uses IR technology to sense if a vehicle has arrived on gate for automated gate opening. The system reads the number of parking slots available then it shows nearest slot on screen and updates data with the cloud server to allow for checking parking slot availability online. This allows users to check for available parking spaces online from anywhere and avail hassle free parking. Thus the system solves the parking issue for cities and get users an efficient IOT based parking management system.	PO(1,2,3,4,5,9,10,11,12) PSO(1,2)

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Plant Recognition using Convolutional Neural Networks

Arduino based Water Quality Monitoring System

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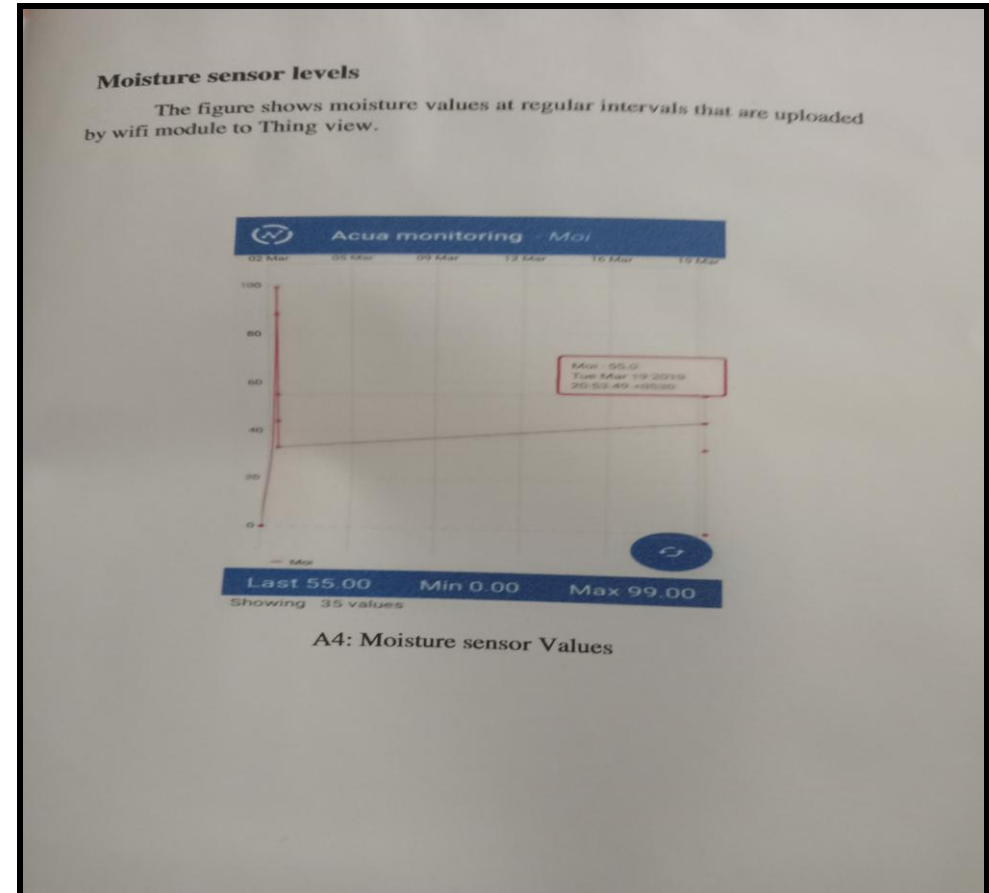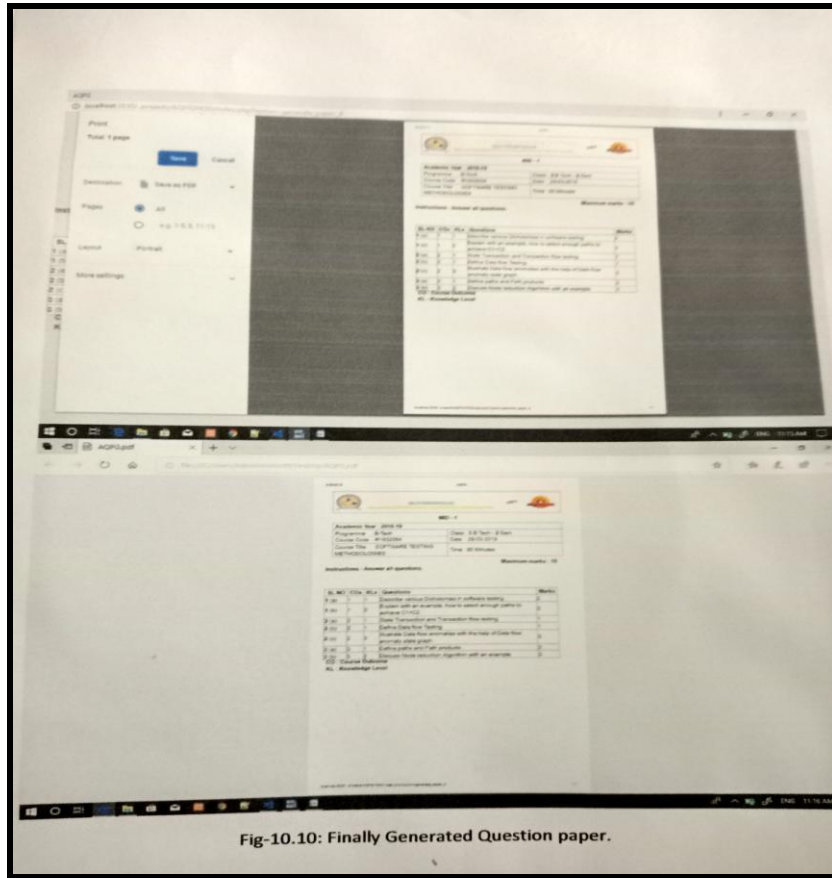
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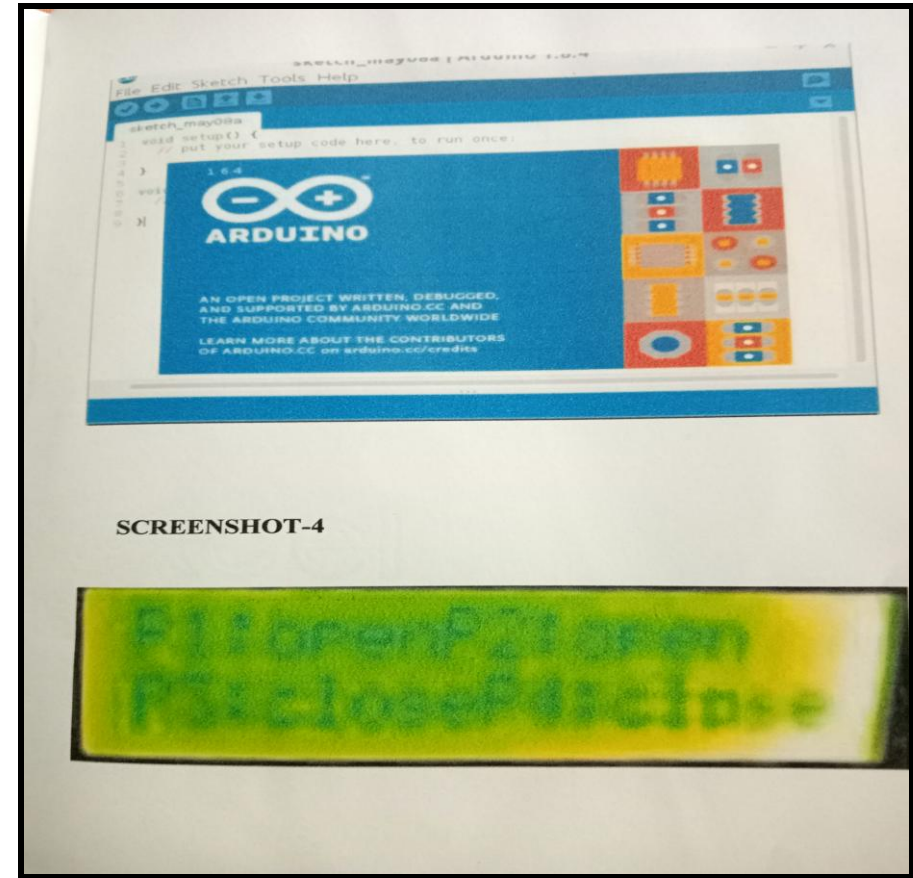
Fig-10.10: Finally Generated Question paper.

SCREENSHOT-4

Efficient Question Paper Setting to meet OBE concepts

IOT based Smart Car Parking System

Head of the Department

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