

**K.L.N. COLLEGE OF ENGINEERING**  
**Department of Information technology**

**Title of the Practice: Industry Collaborative Lab - HTS Sentience lab**

**Objectives of the Practice:**

To collaborate on Engineering Activities and agree to initiate and determine cooperation projects for the benefits of students and faculty.

To involve students in industry projects and equip them to meet out the expectations of industries by filling the curriculum gap.

To establish a bridge between industry and student community that enriches industrial exposure among students.

**Context:**

HTS assigned a first Research Project titled “Acute Transport” with a tune of **Rs. 1.82 Lakhs** on **6<sup>th</sup> august 2016**. Students from Department of IT, ECE, E&I & Mech are involved and successfully completed the project and **submitted to HTS on 25<sup>th</sup> January 2017**. As a outcome of this project two best performed project students **Mr.Amal Leo & Mr. Goutham** were got an offer from HTS.

The agreement initially for the period of **three years** with effect from **18<sup>th</sup> July 2016** and this agreement has been extended for next 5 years. **Based on the performance** of KLNCE, HTS magnormously to step up KLNCE - HTS Sentience lab in our campus to execute Engineering activities and research projects with 50% financial support from HTS and the remaining 50% financial support from our Management. So far HTS used to sign a MoU and set up a Lab in **government higher education institutions only**, first time in HTS history agreed to set up sentience lab in self financing engineering college in KLNCE

KLNCE - HTS Sentience Lab was successfully **inaugurated** in a grand manner with top Executives from Honeywell Technologies solutions and our Honorable management members on **19.12.2016**.

**The practice: (activities carried out)**

**1.Hackathon**

As a part of an agreement in the history of KLNCE first of its ever a non stop 24 hours programming contest in association with HTS successfully conducted hackathon 2k17 in our campus on 13<sup>th</sup> & 14<sup>th</sup> October 2017.

As a preliminary step, a group of HTS experts delivered a pre hackathon talk on 10<sup>th</sup> October 2017, in this session all participants were actively attended and interacted with HTS experts to clarify their doubts.

First day of the event morning, Mr.Srikanth Nagaraj, Director, Ms. Meenaprasad, University Focal, India Operations, Mr.Sathya Narayana, University Focal, and 25 Technical experts from HTS with our management members, Prinicpal, HoD's, 31 faculty mentors and 93 student participants was inaugurated and five different industrial problem statements were given to participants.

Second day of the event, out of 31 teams(IT, CSE, ECE,EEE,EIE & MCA) 10 teams were shortlisted for final presentation on the 14<sup>th</sup> October evening at 3 P.M. HTS Technical experts evaluated all the ten teams and announced first and second position with a cash prize of Rs 65000 and Rs. 35000 respectively

**No of students/Faculty participated:** 93 students & 31 Faculty.

## **2.Remote Mentorship**

First time in **HTS launched remote intern mentorship** program at our KLNCE – HTS Sentience lab from **July 2018**, as a first batch after careful scrutiny HTS indentified **15 potential students** from department of IT, CSE & ECE .

These students are given problem statements in the cutting edge technologies in the TRL level 1, 2 &3. Areas are **Natural Language Processing, Data Work Flow, Chat Bot using Machine Language & Image Processing.**

Similarly, we expect more number of activities to bridge the cap between academic and industry by Honeywell Technology Solutions for the benefits of Students and faculty.

As an Outcome of this agreement students from various Information and Communication discipline students are exposed and experienced in industry standard projects. This will help our students to get confidence to face the industry interviews.

**No of students/Faculty participated:** 15 Students and 5 Faculty

### **Evidence of Success: (outcome)**

HTS Technical experts evaluated all the ten teams and announced first and second position with a cash prize of Rs **65000 and Rs. 35000** respectively. Other participants received participation certificate.

Students from various Information and Communication discipline students are exposed and experienced in industry standard projects. Added, Three students from CSE and one student from ECE were offered job from HTS, Madurai.

### **Problem encountered:**

Students from various departments felt difficult to undertake both internship project and final year project simultaneously during remote internship programme. Students were not able to complete the task on time.

Review Comments by the experts of HTS has not been documented. So, It became a tough task to follow up further activities of students. Every Review students were not able to satisfy the needs of industry experts since their requirement changed periodically and they have been insisted to rework to complete the module.

### **Resources required:**

High Speed Internet Facility.

Systems with high configurations.

## INAUGURATION OF HONEYWELL SENTIENCE LAB



## HONEYWELL HACKATHON – 24 HOURS NON STOP PROJECT CONTEST



## REMOTE INTERNSHIP PROGRAMME

