Date: 30/08/2018

Monthly Report

Name of Coordinator: Prof Vishal Kulkarni, Chief Coordinator for Skill Development and Entrepreneurship

Department: Electrical and Electronics Engineering, SKSVMACET-Lakshmeshwar

Contributions towards Skill Development Activity for the Month: August

Following were the activities undertaken during this month:

Sl.No	Activity Details	Page No.
1	Visit to Gonal Solar Power Plant	2
2	Visit to SKYKraft Aerospace Private Limited	2
3	Visit to RUDSETI Dharwad	2
4	Visit to SDMCET for SURYAMITRA Program	2
5	Inauguration event of Skill Development program with invited talk from Shri Rajendra.K, Director, RUDSETI	5
6	Session on Introduction to Basic DRONE Building process and control system design	8
7	Inauguration of First Skill Development Lab-PHP Programming	11

Date: 14/08/2018

Report on
Initiation Steps and Networking towards setting up of Skill Development Platforms

Skill Development team of Electrical and Electronics visited many places to get inputs and supportive hands for initiation of necessary skill development activities in the department of EEE.

: KEYNOTES OF VISIT:

1) Team visited solar power plant near Gonal on 27/7/2018. Solar plant of capacity 2 MW spread over 16 acres with 6700 Solar panels having automatic tracking system (ATC) generates 11000 units every day. On discussion with Mr. Girish K, plant Engineer regarding installation and maintenance of plant gave an insight of Operations and Realtime learnings which are most required for our students as a part of skill upgradation in the field of Renewables. (Pic-01 & Pic-02).

2) Visiting to SKY krafts Pvt LTD, an aerospace private limited company working in the domain as Trainers and consultants for DRONE Manufacturing helped the team to understand the process and discussions with SKY Krafts with a request in setting an advanced learning platform for the students in the field of DRONE Manufacturing as a part of Internship - Skill development activity and Training of Trainers (ToT) programme for faculties of SKSVMACET-Lakshmeshwar was successful.

3) Team visited RUDSET (Rural Development and Self Employment Training) institute on 07/08/2018 and had a fruitful discussion about vocational training for our students. (Pic03)

4) Team also visited SDM College of Engineering to look into the operations of "SURYAMITRA" Program- an initiation from Govt. of India in building skills among college dropouts in making them as resources towards maintenance and operations of solar based generation plants. (Pic 04)

: OUTCOMES EXPECTED FROM THESE INITIATIONS:

01) Mr. Giriraj K, Plant Engineer, Solar Plant at Gonal agreed to provide Internship and technical training for our students.

02) Team from SKYKrafts agreed to provide training to faculties as a part of Training of Trainers(ToT) Program and even assured to provide a DRONE for us to work on and setup a DRONE Lab at SKSVMACET.

03) Mr. Rajendra K, Director, RUDSETI accepted our proposal to train our students during vacations.

04) With inputs from SDMCET, Skill Development Team will be setting up a solar learning lab for students of EEE .

: Photo Gallery:

Pic01: 2MW Gonal Solar Power plant visit

Pic02: SKY kraft aerospace pvt. Ltd.

Pic03: RUDSET domestic appliance repair center

Pic04: Suryamitra training center of SDM college

I and my team would personally like to thank SKSVMACET Management, beloved Principal and Chief Administrative officer for their support towards this initiation as a part of Skill Development program.

Regards

Prof.Vishal Kulkarni
Chief Coordinator for Skill Development & Entrepreneurship Cell
SKSVMACET-Lakshmeshwar

Date: 16/08/2018

Report on Event

Address on Importance of Vocational Learnings as part of Skill Development by Shri Rajendra Kaggodi, Director RUDSETI (Rural Development and Self Employability Training Institute)-Dharwad

Addressing the major problem faced by the students of electrical department, as a part of Skill development program and students Association, an invited talk was arranged from Shri. Rajendra Kaggodi, Director, RUDSETI- Dharwad during the inaugural ceremony of Electrical and Electronics department student's association-ASTELLAS on 16th August-2018.

: Key notes of event:

1) RUDSETI agreed to extend support in providing learning platform on vocational programs to our students during vacations with FREE ACCOMODATION, FREE FOOD and FREE HANDSON TRAINING along with 2 faculties with each batch (batch size of 35).
2) They agreed to support us in setting up of these labs in campus.
3) Permitted for Internships to faculties and assessment to inhouse training activities.

: Outcomes Expected from this Initiation:

1) By Undergoing these vocational trainings, students will be capable of Understanding the basic working operations, maintenance and design of domestic electrical appliances, motor windings process, operations of refrigeration, functioning of Pumps, Washing machines, Laptops and mobiles etc...
2) Any modifications in design and innovations towards these products can easily be thought by the students with these learnings.
3) More practical approach in learnings will definitely boost the student's confidence and involvement towards the concept understandings.
4) Industrial assessments will make a tough and strict learning process which the students have to undergo to get certified by the program.

:Photo Gallery:

Event Inauguration from Shri Rajendra Kaggodi, Director RUDSETI, Dharwad with Dr Devendrappa, Chief Coordinator Academics, Prof. SanathKumar, HoD EEE Dept., Prof. Vishal Kulkarni, Chief Coordinator for Skill Development and Entrepreneurship and ASTELLAS Student Coordinator Mr Keertikumar.

Address on the need and importance of Skill Development in the sector of Electrical Science along with plans of implementation for Electrical Department.

Address on the need and importance of Vocational training- need of an hour for Electrical Department Students.

Date: 25/08/2018

Report on
Introduction to Basic DRONE Building process and control system design

Skill Development team of Electrical and Electronics organised a two days hands on session on "Introduction to Basic DRONE Building process and control system design" for final year students of SKSVMACET on 24th and 25th of August 2018. With 40 students participation, the resource person- Prof.Gurunayak, Assistant Professor, MSRIT, Bangalore addressed the following sessions for our students

1) Understanding the Mathematical Modelling of Quadcopters.
2) MATLAB simulation of simple DC Servomotor and its control system design using Proportional and Integral Controller followed by MATLAB Simulation of Basic Quadcopters.
3) Components list in building a simple Quadcopter with detailed introduction to each component with their ratings and place of availability for purchase.
4) Common Connection diagram of DRONE with hands on session about DRONE assembling.
5) Field fly session where the DRONE assembled was tested by flying it before students.

: KEYNOTES OF EVENT:

1) This event was planned with an objective to introduce hands on learning programs for the students of Electrical and Electronics as a part of training to them for their final Year THEME BASED PROJECTS- for those who wanted to use DRONES.
2) Two Faculties – Prof. Basavaraj Banakar and Prof. Manjunath were made incharge for the session to be participant and learn the basic operations involved as a part of Training of Trainers (ToT) Program.

: OUTCOMES EXPECTED FROM THIS INITIATION:

1) Students will learn Basic Understanding regarding components, assembly, simulation in MATLAB and mathematical Analysis involved in building DRONES.
2) With faculties getting trained and mentored by our resource person, we are in plans of setting up of DRONE LAB in institute.
3) Institute-Institute Interaction program between SKSVMACET & MSRIT for Mentorship, Lab access and Training of Trainers Program.
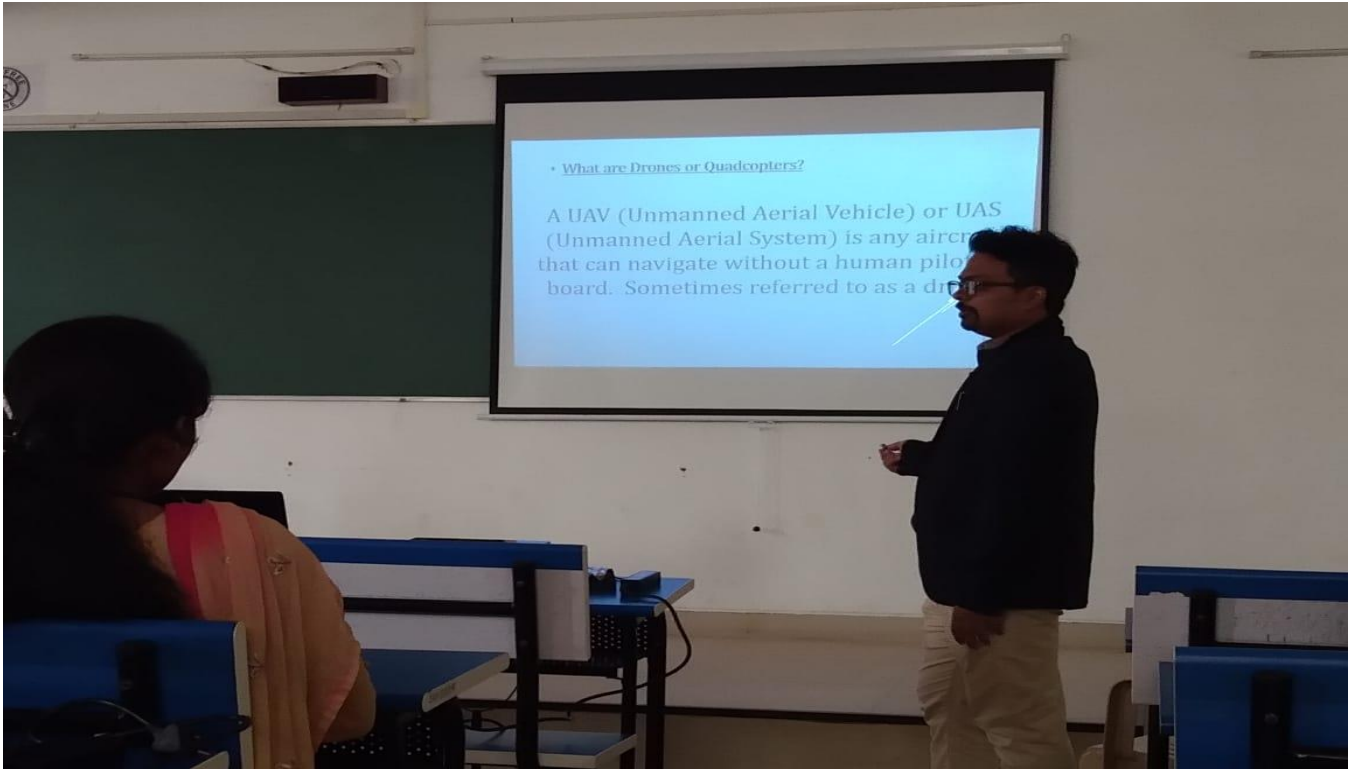
: Photo Gallery:

Felicitation to Resource person by our Beloved Principal Sir for the successful session on

Introduction to Basic DRONE Building process and control system design

Assembled DRONE by the students and tested on field by flying under expert Supervision- Pick up speed 10,000 Rpm and can fly up to 150-200 feet

I and my team would personally like to thank SKSVMACET Management, beloved Principal and Chief Administrative officer for their support towards this initiation as a part of Skill Development program.

Regards

Prof.Vishal Kulkarni

Chief Coordinator for Skill Development & Entrepreneurship Cell
SKSVMACET-Lakshmeshwar

Date: 27/08/2018

Event: Inauguration of First Skill Development Lab-PHP Programming

Skill Development team of Computer Science and Engineering inaugurated Skill Development lab on PHP – Advanced learning on 27th August 2018. SKSVMACET signed MOU with AMBA Software Dharwad and became skill development Lab Partner for PHP- Advanced Learning.

Dignitaries Present during inauguration

1) Mr Prashant Asteka,Director AMBA Software Dharwad
2) Dr Udaykumar Hampannavar , Principal SKSVMACET- Lakshmeshwar
3) Dr srinivas Rajput, Chief Administrative Officer,SKSVMACET- Lakshmeshwar
4) Prof Vikram Shirol,Head of Computer Science Department, SKSVMACET- Lakshmeshwar

Goals of PHP – Advanced Learning Lab

1) Web Applications Development
2) Mobile Application Development
3) Server – Side Scripting
4) Developing Dynamic Web pages

Expected Outcome:

1) To provide a continuous learning platform for students of computer science department there by bridging gaps in VTU prescribed syllabus by adding value addition learnings like HTML, JavaScript's and MYSQL which help students to have complete learnings towards GOALS defined.
2) Targeting to Develop 30 Applications based on the customer requirements through students on or before December 2nd week.

: Photo Gallery:

Inauguration of Skill Development lab on PHP – Advanced learning

Technical talk on Current Technologies in IT Industries by Mr Prashant Astekar