



Centre of Excellence in Maritime and Shipbuilding (CEMS)

(A Skill Development Initiative by Govt. of India / Ministry of Ports, Shipping and Waterways / Sagarmala)

This is to certify that Ms. G.Pavani Studying

B.Tech VIII Semester of EEE Department having Roll No 16A91A0210

from Aditya Engineering College, Surampalem, Andhra Pradesh.

has successfully completed Industrial Internship Program on

Basics of PLC

Basics of SCADA

Basics of AC- DC Drives

Industrial Visit Hindustan Shipyard Limited (HSL)

Conducted by

Centre of Excellence in Maritime and Shipbuilding (CEMS), Gandhigram,
Visakhapatnam

Certificate No:

Date: 20/09/2019

PRINCIPAL

ADITYA ENGINEERING COLLEGE
SURAMPALAM - 533 437



Authorized Signatory

Cdr. Gopikrishna Sivvam, IN(Retd.)
Chief Operating Officer-CEMS

From: Livingston Francis <Livingston.Francis@cemsindia.org>
Sent: Wednesday August 7, 2019 11:35 AM
To: Principal <principal@aec.edu.in>;
Subject: Thank you for signing MoU with CEMS.

Respected Sir,
Greetings from Centre of Excellence in Maritime & Shipbuilding (CEMS)!!!!

As we signed MoU with your esteemed organisation and looking forward for kind support to take it further. At present we are focusing on Summer Internship program and details as follows. I would also request you to pls circulate among the interested students . All the courses are of 1 month duration with nominal fee of Rs 4000/-. It is applicable for Mechanical, ECE, CSE & Electrical Branches.

If possible pls assign one spoc from every campus so that we can communicate with him. For any details or Clarification pls feel free to contact at 7032238283.

1. CEMS, a state of the art **skill development centre started by Govt. of India** in Visakhapatnam and Mumbai to impart high end job relevant skills to bridge the gap between institution and industry.

2. Centre of Excellence in Maritime and Shipbuilding (CEMS) – Promoters. **CEMS is an initiative taken by Ministry of Shipping/ Sagarmala along with Siemens Industry Software India Pvt Ltd and Indian Register of Shipping in line with Prime Minister's flag ship program of 'Skill India'. The project aims to impart industry relevant training in latest software & hardware tools and technology used in the engineering industry. It is setup as a Section 8 'Not for Profit' Company, with total project cost of Rs 765.92Cr, one of the largest in any skill development initiative in the country in recent times.**

- CEMS is a dedicated centre for facilitating Professional development and skill enhancement in Maritime, Infrastructure and Manufacturing sectors. We aim to build competency in the field of maritime by imparting right skills and create skilled manpower pool to cater to current and future industrial landscape of the Country.
- A world class Centre of Excellence has been established in Visakhapatnam and Mumbai which will run paid courses for domestic

industrial landscape of the Country.

- A world class Centre of Excellence has been established in Visakhapatnam and Mumbai which will run paid courses for domestic and international audience at - Basic, Intermediate and Advanced levels. These courses are designed and implemented by Siemens and its domain partners who provide the latest technical expertise in these areas.

CEMS Focus:

- Qualitative improvements in Technical Education
- Improvements in labs infrastructure by adopting latest open technologies in Engineering design, Manufacturing, Analysis and Management to serve the needs of targeted industries.
- Train students in CAD, CAM, CAE, Advance Manufacturing and design to improve employability.
- Facilitate the pursuit of career opportunities by up skilling of Diploma Graduates, Under Graduates, Post Graduates, Research Scholars and working professionals
- Enable technology adoption by Students and Faculties of the colleges through the State-of-the-art Manufacturing and Digital technologies.
- Create skilled manpower pool to cater to current and future industrial landscape of the region. Availability of trained workforce to attract industries to set up units in the coastal regions.
- Promote Industry – Academia partnership. Establish industry partnerships to guide, support, and validate industry relevant learning activities
- Promote innovation, assist exploratory research projects to foster relevant Industry innovation
- Skill up-gradation of faculty.
- Update course curriculum to align with modern industrial practices.
- Serve as a knowledge base and thought leader for the targeted disciplines
- The program leverages Siemens technologies to develop curriculum as per industry processes to cultivate future professionals and academic faculty. The program offers courses for Beginner, Intermediate and Advanced Levels. The program involves continuous training, monitoring and assessment of students.
- Would create a web-based platform, where all students will be enlisted.
- Continuous evaluation of students through tests and assignments. The students will be required to complete the assessments before they get certification.
- To enable students, transcend the knowledge barrier, Siemens has designed self-directed interactive learning solutions that can transform the process of educating novice users on complex products and processes.


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These self-directed learning solutions provide better retention, shorter learning curves and increase productivity.

- Self-Directed Interactive Digital training approach creates an efficient solution for users to get trained on products and processes. A student is taught to use the product or understand the process in a simulated engineering environment. The effectiveness of learning is enhanced as it engages learners with interactivity and multimedia along with the demonstration of various procedures, practicing the steps, and interactive assessment. It also provides flexibility to learn anytime with self-paced learning and evaluation.

Students Trainings (available for B. Tech & MTech students) on various technologies available at CEMS Centre's.

- Short term courses (average 40 hrs of training)
- Diploma & Certificate courses (average 200 hrs of training)
- Weekend / semester vacation courses
- Training for pass out students.
- Onsite Courses can be conducted for some courses.
- Faculty Development Program at CEMS Centres
- Internships as per AICTE guidelines at CEMS by participating institutes students

All courses of CEMS shall be certified by Siemens and Indian Register of Shipping (IRS)

The courses offered at CEMS are suitable for cross sections of Engineering Industry besides Maritime sectors. Thus the courses offered are suitable for 2nd/3rd/4th year students from BE/B.Tech or final year students from Diploma in Mechanical/ EEE/ Electrical/ Instrumentation/ Production/Aviation Engineering.

May I request you to help in disseminating the information, about the Government initiative to your students and advise them to utilize the facility so that they will be well equipped with job relevant skills and get job ready. The courses are offered by CEMS, being 'Not for Profit' company, are hugely subsidized.

8. Further Visakhapatnam campus has necessary Hostel accommodation facilities for trainees at highly affordable rates.

Soliciting your kind support.

Warm Regards

Livingston Francis

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