

STEPS KNOWLEDGE SERVICES

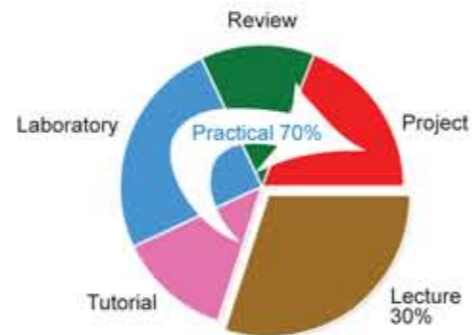
STEPS is an Industrial nurturing environment to transform fresh Graduate Engineers in Electronics Engineering into **Industry ready engineers**. STEPS enables transformation of theoretical studies to practical implementations and provides an internship environment for trainees to get hands-on experience, enabling them to be "INDUSTRY READY" from Day One. This relieves the industries from incubation and orientation of engineers onboard employment.

Team

- More than 125 man years of relevant experience and acquired knowledge
- Spanning 3 decades of technological evolution
- Experience in patenting products internationally
- Extensive international working experience
- Multivariate expertise, spanning the industry
- Exposure to various verticals of the industry

Training

- Trainers are from industries having 10 to 15 years of experience
- Lab work stations are 2:1 Ratio, for hands-on experience
- Practicing the systems and Process during the programme
- Industry Employability Index (IEI) for every engineer is assessed
- Guest lectures on current technologies by device manufacturers
- Equipped with latest tools, technologies, instruments under industrial atmosphere



Industry Employability Index (IEI) is the result of an instrumented tool applied on trainees to assess their performance at regular intervals during the entire programme to determine the factors of employability viz., Technical Capacity, Confidence, Effort, Effectiveness, Utilization, Self-realization, Risk Taking, Conformance & Pro-activeness, weighted appropriately. An aggregate score & the position across their peers is provided numerically & graphically.

During the process of review, mentoring & counseling, other qualities like Attitude, Traits and Competency are also identified and appraised to the individuals

Assured Assistance for Jobs in Core Electronics

Infrastructure

- Well laid out session rooms equipped with multimedia facilities
- Practical sessions with latest equipment, currently used in industry
- Inventory of parts for a variety of practical & projects
- Wi-fi enabled premises with Hi-Tech IT Infrastructure
- Library / Digital Library
- Conference rooms for interview & Counselling and other programmes



Programme

Practicum (Graduate Programme)

- For : Graduate Engineers in ECE, EEE, E&I, ICE& Mechatronics Disciplines.
- Duration : 6 Months, Monday to Saturday, 8 hours per day
- Includes : "Product Development Life Cycle" process based Project along with the course

Value Line : Industry Ready Engineer from day 1 of employment

Lecture and practical sessions

Subject	Subject
Applied Mathematics	Embedded Systems – Micro Controller, ARM 9, DSP & FPGA Hardware
Applied Sciences	Programming Languages & Operating Systems
Electronic Devices and Circuits	Prototyping, Testing & Debugging
Sensors, Transducers and Measuring Instruments	Modeling Tools & Simulation Techniques
Electrical Fundamentals and Power Supplies	Organizational Structure & Functioning
Technical English	Roles & Responsibilities
	Intellectual Property Rights
	Soft Skills
	Project work based on PDLC principles

Electives - Hands on

16 Bit Micro Controller and its Applications	Or	Digital Signal Processor and its applications	Or	CPLD and its applications
32 Bit ARM 9 Processor and its Applications		Digital Filtering & other processing Algorithms		FPGA and its applications
		VHDL / Verilog Programming		

Periodic Guest Lectures from Industry Experts and Device Manufacturers

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