

KAY BOUVET INTERNSHIP PROGRAM

Training Leaders for Innovation

PROGRAM AIMS

1. Train future leaders in the fields of science and engineering, with a focus on innovation and entrepreneurship
2. Provide interns with opportunity to gain practical work experience in line with their studies or interests, and expose them to the fast paced technological development in India
3. Find creative solutions for making a system, process or design efficient and sustainable

ABOUT KAY BOUVET

Kay Bouvet is a heavy engineering company located in Satara, India, providing design, engineering and manufacturing services to the Department of Atomic Energy, Defence Research and Development Organization (DRDO) and Indian Space Research Organization (ISRO). Kay Bouvet has executed projects for various Indian Pressurized Heavy Water Reactors, and the Prototype Fast Breeder Reactor. Moreover, Kay Bouvet designs and engineers space launch vehicle systems and rocket fuel processing facilities for ISRO, and R&D projects for defense laboratories.

Kay Bouvet also provides turnkey solutions for sugar production, from development of sugarcane crops to design, manufacture and commissioning of sugar mills with biomass fueled co-generation power plants.

PROGRAM DETAILS

During the orientation period, interns will learn about the functioning of various departments within the industry. During this time, they will be encouraged to identify a potential area for improvement or innovation. Projects will then be allocated based on specialization, interest, or identified opportunity. At the end of the internship period, interns will present their project outcomes to the company executives, managers and fellow interns.

“People make technology work”

PROJECT AREAS

- Mechanical Design and Analysis
- Design and Analysis of Automation and Control Systems
- Systems and Processes for Manufacturing and Quality Assurance
- Development of Manufacturing Processes based on Metallurgy
- Planning and Scheduling for Large Scale Projects
- Optimization of Engineering Systems, Processes and Designs
- Systems for Enhancing Organizational Productivity and Efficiency
- Strategy Development: Products and Markets
- Sustainability and Environmental Impact



Calandria Assemblies



Reactor Vessel for 500 MW PFBR, Kalpakkam

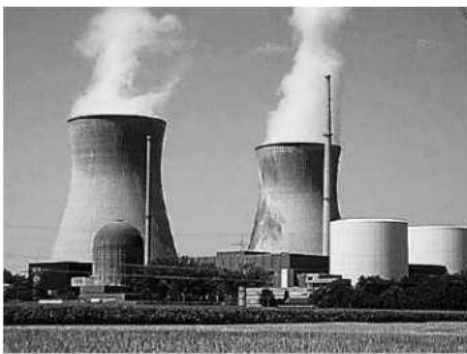
ELIGIBILITY

Applicants must:

- be pursuing or have recently completed a Bachelor's or Master's degree in sciences, or engineering.
- have completed at least 2 years of full-time studies towards a Bachelor's degree

Kay Bouvet will assist in travel and living arrangements. Accommodation and other costs are required to be covered by the student or sponsoring university.

A limited number of scholarships will be offered covering travel and living expenses



Kakrapar Atomic Power Station (PHWR)

Program Co-ordinator

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MULTIDISCIPLINARY APPROACH

Interns will have opportunities to work in various facets of the company like design, manufacturing, planning, and management. Projects will require co-ordination and interaction with different departments in order to find and implement solutions.

PROFESSIONAL DEVELOPMENT

Specially designed workshops will be conducted for interns:

- I: Manufacturing Techniques for PHWR components
- II: Manufacturing Techniques for FBR components
- III: Quality Assurance for Nuclear Power Projects
- IV: Challenges in Fabricating Alloy Steels and Austenitic Stainless Steels
- V: Case Study: Manufacturing of Calandria for 700MW PHWR
- VI: Cost Estimation for Large Scale Projects
- VII: Presentation Skills for Effective Communication

SOCIAL IMMERSION

At Kay Bouvet, we deeply believe that we have a responsibility for contributing to not just the technological development of the country, but also the social development of the community. Interns will have the opportunity to visit Saarth Sanmaan Psychiatric Rehabilitation Centre, which promotes holistic recovery through vocational therapy, helping patients integrate as contributing members of society. Kay Bouvet provides jobs for these patients, and our employees volunteer at the centre, promoting products crafted by the patients. Interns are also encouraged to take up projects which aim to make manufacturing processes sustainable and environment friendly.

FIELD TRIPS

Satara is nestled in the Western Ghats, which come alive with lush greenery and biodiversity during the monsoon. A field trip to the Kaas Plateau, a UNESCO World Heritage Site, will be organized for interns.

APPLICATION PROCESS

Applications must be submitted at least 4 weeks before the preferred start date. Applicants can indicate their preferred internship duration on the application form.