



A&T

A & T Video Networks Pvt Ltd

IPC India in collaboration with A&T Video Networks Pvt Ltd, Madurai organized two days student training program on "IPC Hand Soldering Fundamentals" at Pandian Saraswathi Yadav Engineering College, Madurai during December 5-6, 2022. Thirty students from college Department of Electrical and Electronics Engineering and Department of Electrical Communication Engineering participated at the program.

The college started in 2000, has mission to educate more rural students of State of Tamil Nadu in the field of engineering and technology to pave the way for industrial prosperity and socio-economic development of the State.

A&T Video Networks Pvt. Ltd has been driven for more than two decades by Ashwin Desai, Managing Director. Ashwin believes in delivering value to all A&T's partners, customers and employees. He started manufacturing and assembling network video products in Madurai and wish to employ students from Pandian Saraswathi Yadav Engineering College, Madurai. Ashwin approached IPC India Executive Director, Gaurab Majumdar for basic course for newcomer operators or technicians.

IPC hand soldering Fundamentals course helped students learn the basics of soldering techniques and understand various topics such as IPC Class 2 workmanship standards. In addition to learning about techniques, students acquired knowledge on subjects including components, through hole soldering, surface mount soldering, safety and handling techniques.

One of the significant processes in printed circuit board assembly is the hand soldering. Working on a circuit board, one may have to solder a through hole component or an SMT component. It is important to know that these solder joints require exact precision. Improper techniques can cause defective solder joints which many times may not be visually detectable. The soldering process varies based on the components being soldered and the specific technique used, but the core of the procedure is largely the same. Adhering to procedure, standards & best practices are the basic concepts for producing high quality and reliable solder joints.

Training session conducted by IPC Master Training (T N Phanishayee) and Certified Trainer (Vijai Kumar C.L) had both theoretical & practical sessions. Focus was given to hands on training. Participation certificates were distributed after successfully completion of the course.

Mr. S.P. Varadharajan, Managing Director and Dr. Raja, Principal of the college thanked IPC & A&T Video Networks for conducting the course.

Newcomer technicians typically obtain skills through a combination of pre-employment education and on-the-job training. Ashwin feels that basic knowledge of electronics assembly before on-the-job training will greatly help Small & Medium company like A&T Video Networks. Young engineers who join companies without practical experience and exposure, takes time to thoroughly involved with production and quality process. Newcomer engineers often confront challenges on shop floor, when introduced to new technologies & processes which were not part of theoretical curriculum of the college.

For IPC Training Programs, please visit:

https://www.ipcindia.org.in/ipc/Training_Calendar_2023.html