



- Constituent College of JSS Science and Technology University
- Approved by A.I.C.T.E
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- Identified as lead institution for World Bank Assistance under TEQIP Scheme



Report

Finishing school on “**IoT and ADA**”

19th – 26th March 2017

Industry is looking for skilled and trained manpower to work on advanced technology which involves soft skills from day one as they are recruited. The students of E&C department are having software skills like Image Processing (OpenCV), C, C++, Java, Python, Processing, Embedded systems (AVR Programming, Arduino Programming, MicroPython), Arduino Platform, AVR, Raspberry Pi, Wireless Communication using WIFI, Radio, BLE, Zigbeeetc... However they are not exposed to software skills like HTML5, CSS3, Javascript&PHP, Webserver and Email Server Administration Hardware Interactions.

The finishing school contents are designed in order to bridge the gap between industry and academia needs. As well it provides an insight on industry practices and industry skills sets required for a student to acquire during internship. The contents of the finishing school includes concepts, design and implementation, case studies and hands on sessions. The case study based training provides students to work on mini projects and learn the documentation process as well.

The finishing school contents were formulated based on Embedded C, Micropython, C, C++, Java, Android and Board design. After successful completion of the course, students were evaluated to gauge their skills developed during the course and completion certificate issued to all successful students. Students with additional knowledge helps them during placement in the companies based on their performances during the course.

The resource persons PrathikPai and MohaneshBevoorare drawn from industry, who are expert in web based app development, IoT, ADA, Android app development. They havetrained more than 2000 students (pre-final year, BE) on embedded systems and emerging technology. As well they have provided RFID Solutions for industry and institutes. PrathikPai is a co-working space for budding entrepreneurs to collaborate and wincompetitions and has patents in his credit. The contribution of the resource person was well appreciated by the students of the finishing school.

JSS MAHAVIDYAPEETHA

JSS SCIENCE AND TECHNOLOGY UNIVERSITY

SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING



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The students are evaluated on the contents covered in the finishing by conducting two quizzes and report was prepared by each team in the finishing school based on the task allocated. App “Medical and Healthcare monitoring system” was developed by linking the contents of all the teams This App has the features of IoT and ADA.