



ABE Technologies Chennai

MEMORANDUM OF UNDERSTANDING

**BETWEEN
ABE TECHNOLOGIES (P) LTD
AND
SRI MANAKULAR VINAYAGAR ENGINEERING COLLEGE**

PREAMBLE

ABE TECHNOLOGIES (P) LTD

ABE Technologies Ltd, a fast growing Indian company's aim is to design the products and also provide the world-class training in the various areas of PLC, SCADA, Soft wares to various students and corporate Employees.

ABE Technologies (P) Ltd has linked up with many Polytechnics, Engineering Colleges and Industries in Tamil Nadu. With this, nearly 2700 students and 280 corporate employees have been trained for the past 6 years.

Also, ABE Technologies (P) Ltd is the Registered Partner of Intel, Microsoft Windows EMBEDDED and ARM.

SRI MANAKULAR VINAYAGAR ENGINEERING COLLEGE

Sri ManakulaVinayagar Engineering College (SMVEC) was formed in the year 1999, with the avowed objective of imparting quality education; especially to the weaker section of the society. The college is affiliated to Pondicherry Central University and approved by AICTE, New Delhi. SMVEC runs seven undergraduate courses leading to B.Tech and six postgraduate programmes.

With a view to serve the Indian industries, Sri ManakulaVinayagar Engineering College have started the Department of Instrumentation and control Engineering in the year, 2002-03 with an initial maximum intake of 30 and extended to 60 in the consecutive year. The Department has qualified Faculty members, well equipped laboratories, and latest technologies like LABVIEW, SCADA, and PLC etc. The Department has its own library to cater for the specific needs of students. As per the curriculum of Instrumentation and Control Engineering the students are trained in the following areas

- Process Control
- Computer control of process
- PLC and DCS
- Industrial Automation
- Industrial Instrumentation
- Electrical and Electronics Instruments
- Microcontrollers and Embedded systems



The memorandum of understanding (MOU) intended between SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE (SMVEC), Puducherry and ABE TECHNOLOGIES (P) LTD, Chennai, covers the following functions paving way for the institute-industry link.

Following are the areas where we propose to work together to achieve the objectives:

1. RESEARCH AND DEVELOPMENT DIVISION

a) For Industries

The company's R&D is committed to value based Education, Research and Consultancy in Engineering and Technology to develop the technically competent, ethically strong and Quality Indian products to keep our Nation ahead in the Competitive Knowledge intensive world.

b) For Academic

- Placement
- Help the Institutions in Research for developing the products.
- The company is one of the best to implement the idea of "PROJECTS INTO PRODUCTS".
- Thrust areas of technologies are paid more attentions.

AREAS OF EXPERTISE

- R&D team has vast experience in developing the products in the various fields — Embedded Systems —FPGA Designs & DSP
- Embedded LINUX Development
- Wireless Domains
- Industrial Automations
- Bio-Electronics
- RTOS Designs
- Software Development
- Cloud Computing

SERVICES FROM R&D

- Developing Boards for corporate using ARM-11/Cortex.
- Developing IP cores for the mobile and non-mobile applications.
- Developing various algorithms as solutions to the problems in Wireless world.
- Developing BSP's for Different applications.
- Focusing on ARM Based SOC's and Android based applications.
- Development of Intel based application Designs.
- Developing the Embedded Products targeting Automation and Defense Industries service and support to all automation process control.



2. TRAINING AND PLACEMENT DIVISION

With a highly experienced team ABE Technologies under take corporate training for in house requirements of companies and also train them at their own premises.

The company's well established embedded software development methodology clearly distinguishes the service needs for various stages of product life cycle and offers services and solutions.

2.1 CERTIFICATE PROGRAMS

- a) ABE Technologies shall conduct "CERTIFICATE PROGRAM" to be offered in association with the COLLEGE. The certificate programs will be a certain value addition to the students as they will be eligible for an internationally recognized certificate.
- b) The following certificate programs are proposed in the first phase:
 - **Diploma in Embedded system design**
 - **Diploma in industrial automation using PLC & SCADA**
 - **Certified course in Embedded system design**
 - **Certified course in Mat LAB certified course in VLSI**
 - **Certified course in ARM**
- c) The requisite COURSEWARE and PARTICIPATION CERTIFICATE on the proposed courses (covering both the theory and the practical) will be made available to the students.
- d) The fee structure will be decided on course- to -course basis.
- e) Classes will be conducted beyond normal college hours on working days and full time during vacation.

2.2 COMMUNICATION SKILLS & PERSONALITY DEVELOPMENT

ABE Technologies will work with college to impart **PERSONALITY DEVELOPMENT** and **COMMUNICATION SKILLS** for the students of the college. ABE Technologies has specialists in assessing/imparting and improving the personality development for professionals in following areas:

- How to get interviewed
- How to develop Positive Attitude
- Interpersonal skills
- Effective Communication
- Team Management
- Stress Management

2.3 GUESTFACULTIES

- a) ABE Technologies in association with COLLEGE shall arrange for seminars/Guest lecturers from Industry professionals/HR/Placement Agencies/Technology vendors to interface the students with Global industry trends.
- b) The cost incurred (if any including Travel / accommodation etc.) for conducting such seminars will be borne by COLLEGE.



2.4 FACULTY TRAINING

- ABE Technologies would provide necessary training as an ongoing process on varied Leading edge Technologies and other relevant areas to the faculties /Lecturers /Professors of the College and affiliated campuses. Senior trainers with vast Industry experience will conduct the training.
- ABE Technologies will charge for such training per participant.
- COLLEGE will bear the expenses of their participants' Travel, Lodging and Boarding expenses during training period.

PLACEMENT ASSISTANCE

- ABE Technologies shall jointly work with the COLLEGE to place the students successfully into relevant industry after the completion of their Engineering Degree. ABE Technologies broad based industry network will be utilized to maximize the placements for the students. Renaissance will work with COLLEGE to get companies on campus for recruitment.
- Both parties (ABE Technologies and COLLEGE) will implement the above functions effectively and both parties will review the functioning of MOU every three months.

The memorandum of understanding (MOU) is made on this 17th day of

December 2012,

at S.M.V.E.C, Puducherry.


For ABE Technologies (P) Ltd

In witness thereof

(A. ATHIF SHAH,)
Managing Director,
ABE Technologies,
Chennai.
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For SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE:


Dr. V.S.K. Venkatacharapathy, M.E., Ph.D.,
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In witness thereof

(DR K. V. L. MURUGAN)

PROFESSOR
Department of Mechanical Engineering
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