

CASE STUDY 1

My name is Manikandan.R, I was raised in a small rural place, Mecheri near Mettur, Salem District at Tamil Nadu. I would like to take the opportunity to share some thoughts and learning experience about vocational studies in the field of Electrical and Electronics Engineering.

I grabbed “Vocational Course” as my area of interest in the year 2001 and successfully completed my Higher Secondary Course in 2003 at Govt Hr.Sec. School, Mettur Dam. Thereafter I completed Diploma in Electrical and Electronics Engineering in 2005 Muthayammal Polytechnic College, Rasipuram. Also, I pursued my Bachelor of Engineering (EEE) at Mahendra Engineering College, Namakkal District in the year of 2008. I also decided to go for high studies and successfully completed my Master of Engineering at Sona College of Technology at Salem, followed with Ph. D Electrical Engineering in 2017.

After my studies, I decided to take teaching as my profession, having 8 plus years of experience with various reputed institutions in Tamil Nadu. I also done some researches in the area of Electrical and Electronics submitted various thesis and some of them are listed below;

- Special electrical machines and sensor less controls
- AI Techniques for solid state drives
- dSPACE & FPGA Implementation
- Renewable Energy Resources & Applications

I also developed few application on “Digital Optic Warp, Weft Stop Motion and Counter” for textile automation, Application Number: 6337/CHE/2015, it has been disclosed as “Registered Patents with Government.

I also happy to share that I have published various books and publications and few are listed below;

1. Dr.R.Manikandan, and Dr.S.Rajendran, “*Basic Electrical and Electronics Engineering*”, Second semester B.E/B.Tech students as per Anna University Regulation-2017, Isn’t Publishing (opc) Pvt.Ltd, 1st Edition 2018. ISBN:978-81-934080-0-1
2. Dr.R.Manikandan, Er.S.Sugumar, and Dr.S.Rajendran, “*Electrical Circuits Simulation Practical Lab Manual*”, **M-Scheme**, Polytechnic Colleges, Star Publications, First Edition 2017, Coimbatore-641 012.
3. R.Manikandan, R.Venkateswaran, and S.Sugumar, “*Electrical Circuits Simulation Practical Lab Manual*”, **L-Scheme**, Polytechnic Colleges, Star Publications, First Edition 2013, Coimbatore-641 012.
4. R.Manikandan, and M.G.Anand, “*Electrical Circuits Laboratory Manual*”, Second semester B.E/B.Tech students as per Anna University Regulation-2013, Sri Maruthi Publishers, Chennai-600 049.

CASE STUDY 2

M.KARTHIKEYAN, D.C.Tech, B.sc.CS.,

Old STUDENT (1992), Radio & Tv Vocational Group,
Ttn-Swami Dayananda Hr. Sec. School, Manjakkudi,
Thiruvarur District.

**Managing Director of “Chip Systems” & “IdeaMart”,
Chennai & Kodavasal.**

**Chairman of “Vanigam Business Forum”,
Secretary of “Anandham Youth Foundation.”**

“Today a reader, tomorrow a leader – Margaret Fuller”

I am Karthikeyan.M, I had studied Radio &TV Group related to Electronics Vocational course in Higher Secondary Education from TTN-Swamy Dayananda Higher Secondary School, Manjakkudi, Thiruvarur (Dt) on 1992.

Today, I am a Managing & Technical Director of “Chip Systems” in Chennai & Trichy and the Chairman of “Vanigam Buisness forum”. Also I am a secretary of Anandham Foundation (NGO) which supports higher education of rural students. Currently there are 272 students benefiting through this foundation.

This is all because of my School & my both Teachers who used to teach me new things every day. It was amazing practical education more than my educational book. Though it has detailed explanation & information, Practical education was taught & change my life style.

At this time,I have learned radio assembling, TV servicing and so on. The basic which I have learned helps me to think an innovative way. Now My Chip System are providing Cell phone, Laptop, Computer, LED/LCD, Photocopier, UPS/Inverter Services, CCTV & solar power installation, PCB Designing, LED lights Assembling & Etc. We also contribute the major role in Electronics product service training business courses in Chennai. Moreover, we offer Online course for students beneficial and we got tremendous responses from all over the world.We are creating More than 25000 Service Engineers in my beloved Electronic field all over World.I have been interviewed by various television channels for our innovative idea.

We are the trend setters on Technical Training field.

Finally, Education is not the learning of facts, but the training of the mind to think.