

Department of **Civil** Engineering

**Continuing Education Centre
offers**

Job Oriented One Year

DIPLOMA PROGRAMME

- Land Surveying
- Quantity Surveying and Valuation

Our Associate Partners



Aviocian Technologies
Technology to improve people's lives

CIVIL ENGINEERING DIPLOMA COURSES

The Diploma level programme in Engineering is a program focused on practical and skills-oriented training. It is a technical course that only covers the essentials when ranked with an undergraduate engineering degree. Here we are focusing more on the civil engineering diploma course. It aims to provide students with industry or job-related engineering knowledge, scientific skills, computing and analysis, mathematical techniques, a sound knowledge of English to communicate in the field and the ability to apply problem-solving techniques. Its duration is a minimum of 1 year for diploma level and 6 months for certificate level. Many countries in the world recognize it as equivalent to pre-engineering or bridging course when considered for continuing studies in engineering related bachelors or associate degree programs.

ABOUT SONA

Sona College of Technology has achieved global identity through its involvement in research in recent technology and successful completion of projects and products. The college is known for its rich tradition and high values bestowed upon it by its Founder Chairman, Thiru. M.S. Chockalingam. The college is awarded with "AICTE-CII award for the best industry linked Technical institute in India for 5 years from 2014 to 2018" and acclaimed "A" grade by "NAAC" that standard testimony to the commitment of the college to impart the quality education.



Sona is proud recipient of "Eduprenerus Award" from MHRD, New Delhi, for Emerging Global Destination for Education. The College has been accorded recognition as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research Organisation, New Delhi. Sona College of Technology is equipped with world class infrastructure, highly qualified and experienced faculty members, and an active placement Training and Welfare Cell.



ABOUT DEPARTMENT

Civil Engineering has a special status in Engineering Education. Civil Engineering plays a key role in the development of other fields of Engineering. At present, the strength of the department is around 500 students. The vision of Civil Engineering Department is to enhance the skills and capabilities of Civil Engineering students in all the domains of Civil Engineering.

AICTE-CII Award won in the year 2017 is the testimony for the department interaction with industry in large mode. Many research products were developed in various research centres and patented in the area of low cost construction materials. Students are explored and won in many national level competitions like Smart India Hackathon, AICTE-CII Vishwakarma award and NDRF-IEI design competitions.



PROGRAM FLOW

PROGRAMME
1

Industry Linked: Land Survey, Salem

DIPLOMA IN LAND SURVEYING

Eligibility: 10th or 10+2, Diploma in Civil Engineering, B.E (Civil)

Medium of Instruction: English

Duration: 12 months (Module 1: 6 months, Module 2: 6 Months, online/offline/distance learning).

Programme Components: Surveying Chain, Compass, Theodolite, Tachometry, Dumpy Level, Total Station, Drones, Software's for GIS & GPS

Certificate Level: Module 1 Completion

Diploma Level: Module 1 & 2 Completion

Courses Start from: Time 4 pm to 8 pm

Module	Course Code	Title of the Course	Credits
Module I	DLS1	Basic Surveying: Theory and Practice	4
	DLS2	Theodolite and Tachometric Surveying	4
	DLS3	Basic Levelling : Theory and Practice	4
	DLS4	Total Station Surveying	4
	DLS5	Global Positioning System	4
Module II	DLS6	Modern Surveying: Theory and Practice	4
	DLS7	Advanced levelling	4
	DLS8	Drones Surveying	4
	DLS9	Global Informative System	4
	DLS10	Field Training	4
Total Credits			40

“ The programme is essentially a judicious mix of theory and practical components to develop technology based knowledge, skills and aptitude of land surveying professionals ”

Industry Linked: Infinity PMC Solutions Pvt Ltd, Chennai

DIPLOMA IN QUANTITY SURVEYING AND VALUATION

PROGRAMME
2

Module	Course Code	Title of the Course	Credits
Module I	DQS1	Introduction to quantity surveying	4
	DQS2	Preliminary estimates	4
	DQS3	Detailed estimates	4
	DQS4	Measurement	4
	DQS5	Quantity Calculations	4
Module II	DQS6	Analysis of Rates	4
	DQS7	Measurement Book and Billing	4
	DQS8	Valuation	4
	DQS9	Contractor ship	4
	DQS10	Preparation of Tender Documents	4
Total Credits			40

Eligibility: 10th or 10+2, Diploma in Civil Engineering, B.E (Civil)

Medium of Instruction: English

Duration: 12 months (Module 1: 6 months, Module 2: 6 Months, online/offline/distance learning).

Programme Components: Material study, Measurement calculations and Quality calculations, Rate Analysis, M-Book and Valuation documents, Tender documents, Contractor documents

Certificate Level: Module 1 Completion

Diploma Level: Module 1 & 2 Completion

Certification: Candidates successfully completing Module I will be awarded as Certificate Level and Module I & II will be awarded as diploma Level in the concerned Programme in Civil Engineering from Sona College of Technology and the Industry Linked for the course.

* Eligible candidates are supported for better placement in reputed compaines.

FEES
STRUCTURE
for
Module I & II

Rs 12,000
+ GST + Exam fees
for Module I & II

ADVISORY BOARD MEMBERS

Dr. S.R.R. Senthil Kumar, Principal, SCT
Dr.R.Malathy, Professor & Head (Civil), SCT
Dr. D. Jegatheeswaran, Professor, SCT
Dr.M.N.A.Gulshan Taj, Asso. Professor, SCT
Dr.M.LogeshKumar, Asst. Professor, SCT
Dr.B.Prabu, Asst. Professor, SCT
Mr. P. Ashok Kumar, Asst. Professor, SCT
Mr. S. Prabhakaran, Asst. Professor, SCT
Mr. V. Sriraman, CEO, Prayojana Institute, Salem
Er.Raj Kumar, Land Survey, Salem
Mr.P.Ravi Kumar,
Infinity PMC Solutions Pvt Ltd, Chennai



PROGRAMME OBJECTIVES

After successful completion of the Diploma programme, learners shall be able to:

- Impart civil and construction knowledge to the ever growing construction and infrastructure market.
- Apply the knowledge and skills to the effective delivery of the projects /functions assigned to him.
- Demonstrate necessary knowledge, skills and attitudes required to become an entrepreneur in civil engineering related business.

PROGRAMME OUTCOMES

The Diploma programme aims to:

- Develop learners to become Land Surveyor and Quantity Surveyors with Construction Companies, Consultants and Government Departments.
- Encourage Competency in Measurement and estimation of quantities, preparation of bill quantities and submission of tenders.
- Acquire Skills in Building economics from conceptual stage till completion.

Career Options in CONSTRUCTION INDUSTRY

A career in Construction is not just a very viable option but it is also for those who look for a large amount of job satisfaction from their career. The Construction career also provides a lifetime of opportunity to learn things. They are one of the very few career options which guarantee an employment. This industry is experiencing a huge growth as the infrastructural requirement of people around is increasing every day. There are many fields in construction like electrical. For this primarily a good skill development is needed to succeed in sketching out an apt blueprint for the career in construction industry.

Scope of the CONSTRUCTION PROFESSION

In the past 15 years, the employment in the construction industry has grown by 80 percent. This has made this one of the fastest growing industry in the world. It is predicted that there will be a demand for around 250,000 new workers over the next few years in the construction industry. Of these numbers 210,000 will be the replacement for the retiring workers. This will get noteworthy opportunities for students and aspirants of the construction trade. Although this will not all happen just in one go, but it will take few years. This will in turn make the market highly competitive and younger people will be in great demand. Thus it is going to be a very lucrative profession for people around.

Notable Recruiters



SONA COLLEGE OF TECHNOLOGY
Learning is a Celebration !
[An Autonomous Institution]

Junction Main Road, Suramangalam (PO) | Salem. Tamil Nadu
Ph: +91 427 40999 | Fax: +91 427 4099 888

Convener
Dr. R. MALATHY
Professor & Head/Civil

Co-ordinator
Dr. B. Prabu
Asst. Professor & Civil
Ph: +91 99522 90009

Registration Link



<https://bit.ly/3msK1cp>

Account No: 500101012509078
City Union Bank, Salem

For further details visit: www.sonatech.ac.in

Last Date of Registration: 07.04.2021 | Limited Seats only!