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**SAJIN**

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**CAREER OBJECTIVE**

To expertise in the field of Mechanical engineering to achieve excellence in this sector. A career which can sharpen my current skills & knowledge where I can have good scope for learning and implementing new technologies.

**ACADEMIC PROFILE:**

* **M-Tech** in **Advanced Manufacturing and Mechanical System Design (2015 - 2017)** from Gov. College of Engineering Kannur, Kannur, Kerala. **KTU (8.43 CGPA)**
* **B-Tech** in **Mechanical Engineering (2011-2015)** from College of engineering Thalasseri, Kannur, Kerala, **CUSAT** (**69.57%**)
* 12th from Seethi Sahib Higher Secondary School, Taliparamba, Kannur, 2011, (**93.75%)**
* 10th from Tagore Vidyanikethan Govt. HSS, Taliparamba, Kannur, 2009, (**95%**)

**WORK EXPERIENCE:**

* Asst. Professor at College of Engineering Thalasseri, Kannur, Kerala (29th August 2017 – 13th April 2018**)**

**ACADEMIC PROJECTS**

**M-Tech:Finite Element Modelling of Quenching Residual Stress and Residual Stress Evolution During Hole Drilling.** Re-distribution of residual stresses during machining can cause geometrical distortion and result in rejection during inspection. In this work, FEM was used to estimate the residual stress generated in a rectangular block during quenching and then the re-distribution of residual stress during hole drilling operation. An experiment was also proposed to validate the FEM results.

**B-Tech: Design of Shell and Tube heat exchanger for refinery applications.** Designed a heat exchanger which can be used in refineries. With improved heat transfer efficiency and lower pressure drop. The higher efficiency was obtained by replacing ordinary baffles by helical baffles.

**SOFTWARE SKILLS:**

* AUTO CAD
* ABAQUS
* ANSYS

**PERSONAL STRENGTH**

* Takes initiative and works in independently or a part of group
* Ability to learn and adapt.
* Innovative, Hardworking, Ability to analyze problem/issues.

**PERSONAL DETAILS**:

Date of Birth                  :    23-08-1993

Nationality    :    Indian

Sex                      :    Male

Marital Status             :    Single

Languages Known           :    English, Malayalam & Hindi

Hobby                            :    Swimming, reading

**DECLARATION**

I hereby state that all details furnished above are true to the best of my knowledge and understanding.