

A REPORT ON SAND CASTING DEMONSTRATION

Sand casting, also known as sand molded casting, is a metal casting process characterized by using sand as the mold material. The term "sand casting" can also refer to an object produced via the sand casting process. Sand castings are produced in specialized factories called foundries. Over 60% of all metal castings are produced via sand casting process.

On 27th July 2019 Sand Casting Demonstration was done by Wintronix at Khyati School of Engineering as a part of their curriculum. In which he called upon company's worker to perform the sand casting operation. The trained & efficient workers performed the sand casting operation in our workshop at KSE. They explained each and every detail of the sand casting along with the recent trends of Sand casting technique used now days & its future.

He performed all the steps as stated below required to perform Sand Casting Operation:

- Place a pattern in sand to create a mold.
- Incorporate the pattern and sand in a gating system.
- Remove the pattern.
- Fill the mold cavity with molten metal.
- Allow the metal to cool.
- Break away the sand mold and remove the casting.

Students were much happy as they got to learn the sand casting process which is a part of their syllabus & was learning experience for them from the Industrial Experts.

Here are glimpses of this learning session:





PREPARED BY:

**MUSHRAF SYED
HOD – MECHANICAL
KSE**