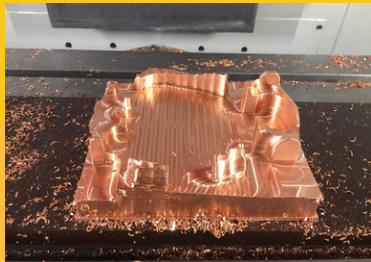




RSTOOLS

ACADEMY



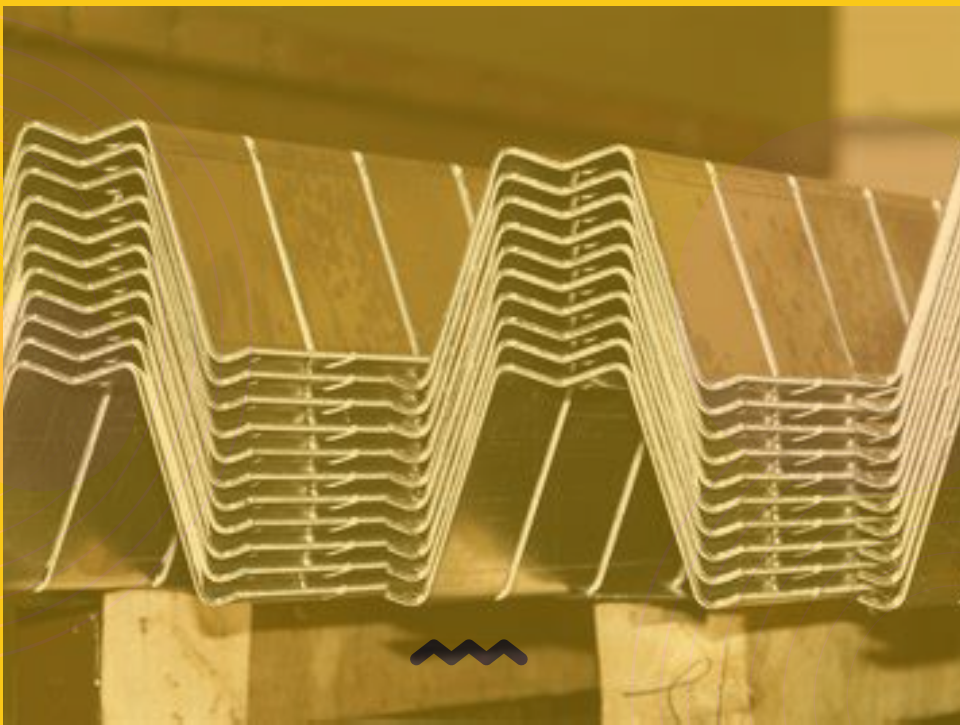
RSTOOLS Academy CAD/CAM/Tool & Die for Mechanical Engineering Specialization



RS TOOLS

ACADEMY

SHEET & METAL DESIGNING



Learn to create designs of all kinds and turn your ideas into real designs.

WELCOME

I'm glad to consider you to evaluate a mechanical device in the RSTOOLS UNIVERSITY. Mechanical mechanics is a wonderfully diverse subject and I think the best slogan from our professional association in mechanics training: "Nothing moves without engineers. Whether it's an airplane, car, train, satellite or knee coupling replacement, mechanical engineers play an important role."

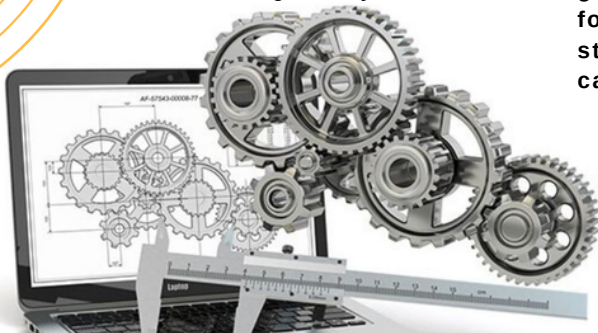
When you read this brochure, you'll learn more about all of our courses and learn how to achieve charter status. Please don't hesitate if you have any questions. You will find the contact details at the end of each brochure page and will be pleased to assist the friendly reception company and provide you with information. I am proud to be a mechanical engineer and I hope to determine which profession is for you. I wish you all success with your future approvals and am looking forward to welcoming you to the MECHANICAL ENGINEERING RSTOOLS ACADEMY.

Professor & Sr. Expert Tool Designer
Head of RSTOOLS Moulding Industry



Mr. Ramesh Sharma
Sr. Expert Tool Designer

Mr. Ramesh Sharma is the owner of RSTOOLS Moulding Industry with more than 35+ yrs. of experience and he also has 8+ years of experience in teaching. He well understands the needs of the students and tries to put efforts to fulfill all their requirements. He very well knows how to share his overall experience with students. He makes great efforts to achieve forge the young students first as capable engineers.



WHY STUDY MECHANICAL ENGINEERING AT RSTOOLS ACADEMY?

RSTOOLS Academy is an institutional branch of RSTOOLS PVT. LTD. (Since 2005) owned by Mr. Ramesh Sharma (Tool & Die Engineer) and his son Mr. Rahul Sharma (Tool Designer) established in 2018. This Academy equips mechanical engineering students with technical knowledge, innovative designing skills and workshop tools to develop solutions for 21st-century questions that haven't been asked yet.

RS Tools Academy aims at providing quality training to students in areas such as CAD Designing, CNC Programming, Tool & Die Making, Mould Designing etc. Our academy provides not only training in classrooms or online but also on the job training in fully equipped workshop. After completion of courses practical exposure is given to students in workshops where they can learn while working.

In RS Tools Academy, trainings are provided by qualified professionals, the faculties and students work as a team here. The faculties work with belief that each student is important and future of the Country.

We aim to conduct our businesses ethically and in a manner that is respectful to all. Our mission is skilling the students at par with international standards, providing theoretical as well as practical knowledge for their success in the industry.



SHEET & METAL DESIGNING COURSE

COURSE MODULES

BASIC LEVEL

1. MACHINERY FUNCTIONS AND OPERATIONS

VMC – MILLING MACHINE

CNC – TURNING MACHINE

WIRE CUT & DRILL MACHINE

LASER MACHINE.

3. STANDARD ITEMS AND THEIR USE OF FUNCTIONS

5. TOOLING

TYPES OF TOOLS

FORMING TOOL

DRAW TOOL

TRIMMING TOOL

RESTIKE TOOL

PUNCHING TOOL

BLANKING TOOL ETC

2. BLANK LAYOUTS, PROCESS LAYOUT & PRESS

BLANK LAYOUTS 2D & 3D

PROCESS LAYOUT 2D

PRESS TYPES

(PRESS SELECTION)

4. MATERIAL SELECTION & HARDNESS

6. FEED SYSTEM

FEEDERS



SHEET & METAL DESIGNING COURSE

COURSE MODULES

7. GENERAL

CONSTRUCTION

DRAFTING

MACHINE DATA

WIRE CUT DATA

LASER DATA

8. CHECKING

WOOD

TEMPLATE

9. ANALYSIS

BLANK DEVELOPMENT

TRIMLINE DEVELOPMENT

10. BY OFF DATA

3D BY OFF DATA

2D BY OFF DATA

ADVANCE LEVEL TOOLING

COMPOUND TOOLING LAYOUTS

COMPOUND TOOLS

POGRESSIVE LAYOUTS

PROGRESSIVE TOOLS

OTHER COURSES WE PROVIDE

CAD

CAD (Computer Aided Design) refers to the creation, modification and analysis of a design using computer systems. The output is usually in the form of electronic files for print, machining and other manufacturing operations. The software is widely used to create digital content i.e. computer animation or special effects for movies, advertising or technical manuals.

CAD software is extensively used in industries like- industrial & architectural design, automotive, shipbuilding, aerospace, etc... Furthermore the software is a major driving force for research & development process.

TOOL & DIE

Tool & Die Making is a unique combination of the expertise required for designing and manufacturing products using machines. The profession constitutes mass production of solid objects utilizing the art of designing and manufacturing dies and molds. A Diploma in Tool & Die Making will not only help you learn the skill-set required on an industry level but also instill in you leadership qualities through group projects. Solid objects are a part of our day-to-day lifestyle and hence, the demand in industries for highly skilled employees in the Tool & Die Making industries, who can communicate with customers is high.

CNC

Computer-aided manufacturing (CAM) is an application technology that uses computer software and machinery to facilitate and automate manufacturing processes. CAM is the successor of computer-aided engineering (CAE) and is often used along with computer-aided design (CAD).





RS TOOLS
ACADEMY

THANK YOU!



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