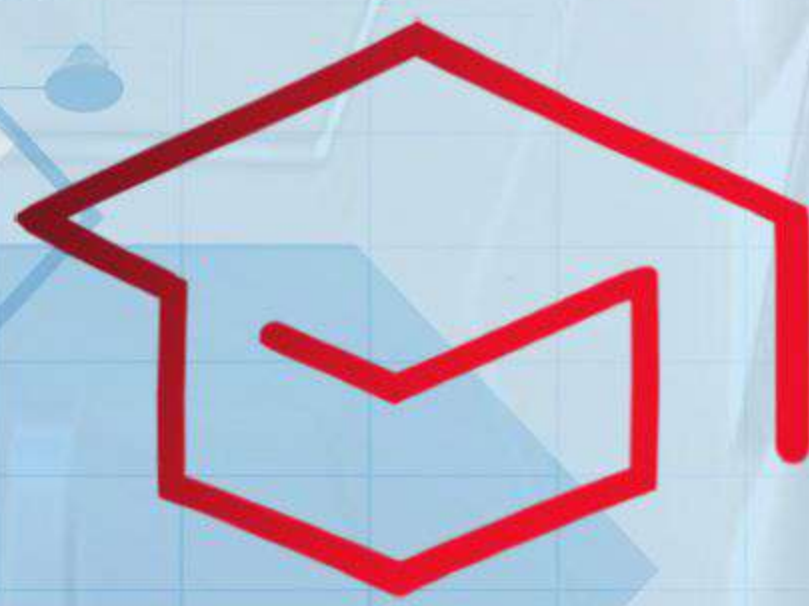




**Nano Masters**  
Germanvarsity for Advanced Studies



**GERMAN VARSITY**™  
FOR ADVANCED STUDIES

**UNIVERSITY PARTNERS & INDIAN SKILL SECTORS**



## ABOUT

The "**NaNo Master**" is a unique qualification program, designed by Germanvarsity along with German universities and industries, offering international students from partner universities **cutting-edge knowledge and German-equivalent qualifications**. This program equips students for success in **employment and higher education** in Germany, particularly at public universities and top industries.

- **Structure:** Three specializations with four sub-courses each (20 credits total).
- **Flexibility:** Credit-based courses run parallel to your home university studies (semesters 5-7).  
Earn additional honors/minor degrees (subject to home university policies).
- **Benefits:** Gain a competitive edge with **industry-linked programs and recognition** from German employers.  
Pursue prestigious Master's programs in German universities with courses delivered & assessed by our partners.

## VISION/MISSION

- Equip Indian students with German skills and qualifications on par with German standards.
- Implement a rigorous German teaching methodology based on the credit system and certification.
- Develop highly qualified and quantifiable candidates for career opportunities in Germany.
- Target a select group of qualified Indian students to maximize their success.

## COURSE EXCELLENCES

- **Industry-Driven Curriculum:** Designed by German universities and industries seeking skilled Indian talent.
- **Emerging Fields Focus:** Courses cover cutting-edge industries, providing a broad career spectrum in Germany.
- **Leadership Development:** Each specialization includes 4 sub-courses to equip students for technical and managerial roles.
- **Expert Instruction:** Respected German professors and industry leaders deliver live lectures with real-world case studies.
- **Flexible Learning:** 24/7 Learning Management System (LMS) supports studies alongside regular coursework.
- **Interactive Learning:** LMS facilitates assignments, assessments, quizzes, case studies, and projects

## NANO MASTERS - SPECIALIZATIONS

Nano Masters is currently offering 5 specializations which will be covering all branches of Engineering & Management. Detailed information is available below,

### MECHATRONICS, ROBOTICS, 5G & TECHNOLOGY LEADERSHIP

#### ELIGIBILITY

**B.Tech:**  
ECE/EEE/Mech/Mechatronics/  
Industrial/Civil-3<sup>rd</sup>/4<sup>th</sup> Year -  
Any Semester.

#### NO. OF CREDITS

20

#### LEARNING METHODOLOGY

Live Master Lectures  
Blended learning  
Self based learning

#### SUB COURSES

1. Design Thinking, Innovation & Leadership
2. Mechatronics and Fundamentals of Robotics
3. Application of Industrial Robotics & Intro to 5G

#### ELIGIBILITY

**B.Tech:**  
CSE/IT/AI/Data Science/  
IoT Any Computer Science  
& allied courses 3<sup>rd</sup>/4<sup>th</sup> year  
any semester

#### NO. OF CREDITS

20

#### LEARNING METHODOLOGY

Live Master Lectures  
Blended learning  
Self based learning

#### SUB COURSES

1. Design Thinking, Innovation & Leadership
2. Introduction to AI & Mobile Robots
3. Robot (Mobile) Programming & Applications

### AI AND APPLICATIONS & TECHNOLOGY LEADERSHIP

### INTERNATIONAL MANAGEMENT & TECHNOLOGY LEADERSHIP

#### ELIGIBILITY

**BBA/MBA**  
- Any Semester.

#### NO. OF CREDITS

20

#### LEARNING METHODOLOGY

Live Master Lectures  
Blended learning  
Self based learning

#### SUB COURSES

1. Design Thinking, Innovation & Leadership
2. International Management
3. Technology Management

## ELIGIBILITY

**B.Tech:**  
ECE/EEE/Mech/Mechatronics/  
Industrial/CSE/IT/AI/Data Science/  
IoT Any Computer Science & allied  
courses 3rd/4th year- Any Semester

## NO. OF CREDITS

20

## LEARNING METHODOLOGY

Live Master Lectures  
Blended learning  
Self based learning

## SUB COURSES

1. Design Thinking, Innovation & Leadership
2. E-Mobility & Autonomous concepts & Innovation
3. EV-Concepts & Production Elements

E-MOBILITY

&

ADVANCED  
AUTOMOTIVE  
ENGINEERING

## ELIGIBILITY

**B.Tech:**  
CSE/IT/AI/Data Science/IoT -  
Any Computer Science &  
Allied courses 3rd/4th year -  
Any Semester

## NO. OF CREDITS

20

## LEARNING METHODOLOGY

Live Master Lectures  
Blended learning  
Self based learning

## SUB COURSES

1. Design Thinking, Innovation & Leadership
2. Overview of IOT
3. IOT & Human Technology Organisation

IOT  
INTERNET OF  
THINGS

## CAREER PROGRESSION TO GERMANY

The "NaNo Master" program bridges the gap between Indian students and opportunities in German universities and industries. Upon completion, you'll be well-positioned for several exciting pathways:

Indian university students will have the opportunity to participate in a semester-long exchange program at a German university. This program allows them to earn academic credits and certifications that will be recognized by their home university and contribute towards their Indian bachelor's degree.

## SEMESTER EXCHANGE

### ELIGIBILITY

Nano Masters students  
from **B.Tech** - 3<sup>rd</sup> & 4<sup>th</sup>  
years

### DURATION

6 Months

### SPECIALIZATIONS

1. Mechatronics and Robotics
2. Mechanical Engineering
3. Project management
4. Software Engineering

### PARTNER UNIVERSITIES

1. RWTH Aachen University,
2. Steinbeis University
3. Mascor FH Aachen
4. Reutlingen University
5. WIEN University
6. Kempten University

Indian undergraduate students from partnered universities are eligible to participate in a semester-long project-based exchange program at a German university. On Successful completion of collaborative projects will result in the award of transferable academic credits applicable towards an Indian bachelor's degree, along with recognized certifications.

### ELIGIBILITY

Nano Masters students  
from **B.Tech** - 3<sup>rd</sup> & 4<sup>th</sup>  
years

### DURATION

6 Months

### SPECIALIZATIONS

1. Mechatronics and Robotics
2. Mechanical Engineering
3. Project management
4. Software Engineering

### PARTNER UNIVERSITIES

1. RWTH Aachen University,
2. Steinbeis University
3. Mascor FH Aachen
4. Reutlingen University
5. WIEN University
6. Kempten University

## PROJECT/ INTERNSHIP SEMESTER EXCHANGE

Indian graduates are provided with a unique opportunity to continue their higher education at the German partner universities. The masters course specializations are uniquely designed and constructed by German Industry experts. Through our unique ways of practices, the students have the opportunity to enhance their skills in qualitatively and quantitatively.

## MASTERS PROGRAMS

### ELIGIBILITY

B. Tech/B.E,  
BBA - Graduates

### DURATION

2 Years

### SPECIALIZATIONS

1. Masters in Industrial Engineering & Management
2. Masters in Data Science & AI
3. Masters in Data Management
4. Masters in Data Engineering
5. Masters in AI & Data Science for Business

### PARTNER UNIVERSITIES

1. RWTH Aachen University,
2. Steinbeis University
3. Hochschule Fresenius
4. Reutlingen University
5. WIEN University
6. IU International University
7. AI Vancity

Earn & Learn in Germany with Employment-Linked Master's Programs, German Varsity offers unique employment-linked Master's programs to get selected, admitted, and employed all at once - graduate with a prestigious degree and relevant work experience. Earn while you learn and gain a competitive edge in the German job market.



### ELIGIBILITY

Bachelor Degree in Engineering and/or German language B1

### DURATION

2 - Years

### SPECIALIZATIONS

1. MSc IT Systems Engineering.
2. MSc Industrial Engineering.
3. MSc - Business Informatics.
4. MBE-Business Engineering.
5. MSc Professional Software Engineering

### PARTNER UNIVERSITIES

1. Steinbeis University
2. Reutlingen University

### ASSOCIATED INDUSTRY PARTNERS



## Learn German.



Mastering the Language for Career Success Proficiency in German is the key! Our comprehensive German language program offers a structured 4-level certification path designed to equip Indian students with the linguistic skills needed to thrive. Master German and unlock a world of exciting opportunities in the workplace and beyond.

## A1, A2, B1, B2 Levels

### OUR COURSE RESOURCES



**PROF. ING. GÜNTHER STARKE**  
European Research for Mechatronics  
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**PROF. BERTRAM LOHMÜLLER**  
Director  
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**PROF. DR. ING. DIRK JACOB**  
Kempten University of Applied Sciences



**PROF. DR. ING. ALEXANDER FERREIN**  
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