

Apply now for the student seminar 2025!

- Seminar will take place from September 2025 to January 2026 (**stay in India for 7-10 days** at end of September)
- **5 credit points** seminar, evaluation based on reports and presentation (no exam)
- **For master students** of Mechanical Engineering, Bio- and Chemical Engineering, Industrial Engineering, Sustainable Energy Technology, Environmental Engineering and more!
- **Partial financial support from the Institute** and available for 10 students from TU Braunschweig

Requirements:

- High motivation and affinity to Industry 4.0
- Highly interested in intercultural collaboration
- English level of at least B2 (CEFR) is recommended



Institut für Werkzeugmaschinen
und Fertigungstechnik



Institut für Automobilwirtschaft
und Industrielle Produktion



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Institut für Werkzeugmaschinen und Fertigungstechnik
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[https://www.tu-
braunschweig.de/en/iwf/teaching/lectures/iqcsp](https://www.tu-braunschweig.de/en/iwf/teaching/lectures/iqcsp)

For application, please send a letter of motivation to:

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Indo-German Challenge for Sustainable Production

Apply now until 30 June 2025 and be part of our cooperation with India!

Let's tackle global challenges together!

Within the seminar:

- In teams, students from BITS Pilani, MU Jaipur and TU Braunschweig **jointly develop innovative concepts and prototypical applications** for industry relevant challenges
- **Teams of 4-5 students** each will work on the topics (two from TU Braunschweig and one each from MU Jaipur and BITS Pilani)
- **Infrastructure and devices**, e.g. learning factory, virtual meeting rooms will be provided
- Concepts and prototypes will be reviewed by scientific staff
- Topics: Modelling and analysis of value creation networks as well as product and process analysis of circular production and the circular economy using Industry 4.0 methods, tools and technologies, such as data mining, sensors or mixed reality

Exchange team at BITS Pilani during seminar WS23/24.



Indo-German Center for Sustainable Manufacturing

- **Long lasting cooperation** between BITS Pilani and IWF at TU Braunschweig (since 2009)
- More than 100 persons have been part of **exchange program** (summing up to more than 1,000 weeks of exchange)
- **More information** on previous exchanges: <https://www.igcsm.org/category/exchange/>



Birla Institute of Technology Pilani (India)

- Highly ranked Indian University, especially in the field of Engineering
- Highest ranked non-Government Institute (e.g. QS BRICS, QS Asia, QS India in 2019)
- Since 2018 recognized as „Institute of Eminence“
- State of the art facilities to support cutting edge research

New cooperation: Manipul University Jaipur (India)

- State of the art facilities to support cutting edge research
- Parent institution is recognized as „Institute of Eminence“