

New Ideas & Innovative Solutions

HackXplore Karlsruhe

From May 16 to 18, 2025, the "HackXplore" hackathon took place in Karlsruhe, an event that brought together students from all over Germany. A hackathon is an event where programmers, designers, and other creative minds collaborate in teams to develop innovative solutions for specific challenges within a limited timeframe. Our goal - results that advance Würth Elektronik!

Würth Elektronik was Challenge Partner and supported the students in tackling the challenge "CREATING TOGETHER - AI-Powered Component Matching." Six teams, including one remote team, each consisting of 4-5 students, dedicated themselves to this demanding challenge. The participants spent day and night on-site to develop their ideas and ultimately present their results to a jury and audience.

A total of 150 selected students from various fields of study participated. The combined working hours of the students over this weekend equaled half a year of continuous work. Many participants sacrificed their sleep to fully dedicate themselves to the challenges.



To offer variety to the students, workshops were provided as part of the accompanying program. Our colleague Maximilian Goegele shared his experiences as the founder of various start-ups. With the topic "Fake it, Test it, Make it - How good ideas become reality!" he motivated the students to give their ideas space and quickly move into action.

Our teams were professionally advised by Data Scientist Naveen Kumar Ramu and Paul Uhlenbruck and were available to the students day and night for questions. Their good preparation of the task and informative deep dives on-site inspired many students for our challenge. Matthias Schmitz is a Digital Expert and was able to pay special attention to the processes and presentation during the development of the ideas. Simon Häckner and Johanna Mattner complete the support and inspire the students about us as an attractive employer and service leader.

HackXplore was a complete success and provided participants with a platform to expand their skills and gain valuable experiences. For us, impressive and long-awaited solutions have come within reach, enabling us to explore new paths. The event impressively demonstrated how much energy and creativity is present in the next generation.

