

Major Courses Design of Intelligent Manufacturing Engineering Based on Engineering Ethics Education

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Abstract:

This study focuses on contemporary ethical issues concerning engineers as a departure point, and conducts research on the cultivation of engineering talents in intelligent manufacturing based on engineering ethics education. Against the backdrop of the national strategic emphasis on intelligent manufacturing, the current status of engineering ethics education both domestically and internationally is analyzed. With the cultivation of professional ethical awareness, social ethical awareness, and environmental ethical awareness as the main themes of engineering ethics education, the primary educational content for the cultivation of engineering talents in intelligent manufacturing is discussed. Through research and analysis, it is concluded that the cultivation of engineers in the intelligent manufacturing industry who possess a sense of social responsibility and engineering ethical literacy constitutes a crucial aspect that needs to be emphasized in the objectives of cultivating engineering talents in intelligent manufacturing.