**MANDATORY QUESTIONS – University of Hildesheim: Software Engineering (MSc)**

Please enter courses related to software development such as Software Engineering, Requirements Engineering, Software Architecture and Design, Software Quality Assurance, Model-based Engineering, Agile software engineering, Reverse Engineering and Software Analysis, Performance Engineering, Compiler technologies, Formal Methods and similar topics significantly related to software engineering. Please enter course names and marks exactly as stated on your transcript of records.

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| **Sl.No.** | **Course name** | **Mark achieved** |
| **1** | Fundamentals Of Computing And Programming | **80** |
| **2** | Engineering Engineering Practices For Computer Sciences | **100** |
| **3** | Engineering Graphics | **100** |
| **4** | Digital Principles And System Design | **80** |
| **5** | Operating Systems | **70** |
| **6** | Computer Architecture | **70** |
| **7** | Design And Analysis Of Algorithms | **70** |
| **8** | Database Management Systems | **80** |
| **9** | Object Oriented Software Engineering | **60** |
| **10** | Principles Of Compiler Design | **70** |
| **11** | Open Source Software | **70** |

Please enter courses related programming such as programming languages (Python, Java, C++ etc.), data structures and everything else related to programming. Please enter course names and marks exactly as stated on your transcript of records.

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| **Sl.No.** | **Course name** | **Mark achieved** |
| **1** | Advanced C Programming | **90** |
| **2** | Data Structures | **80** |
| **3** | Object Oriented Programming | **80** |
| **4** | Design And Analysis Of Algorithms | **70** |
| **5** | Object Oriented Software Engineering | **60** |
| **6** | Object Oriented Analysis And Design | **80** |
| **7** | Python Programming | **80** |
| **8** | Advanced Data Structures | **60** |

Please enter math courses, either courses like Analysis, Linear Algebra, Numerics, Statistics and Probability Theory or courses like Complexity Theory, Computability Theory or Logic. Please enter course names and marks exactly as stated on your transcript of records.

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| **Sl.No.** | **Course name** | **Mark achieved** |
| **1** | Matrices, Calculus And Ordinary Differential Equations | **60** |
| **2** | Complex Variables, Laplace Transforms And Vector Calculus | **80** |
| **3** | Transforms And Partial Differential Equations | **60** |
| **4** | Probability And Queuing Theory | **60** |
| **5** | Discrete Mathematics | **70** |