

**TECHNISCHE UNIVERSITÄT  
CAROLO-WILHELMINA  
ZU BRAUNSCHWEIG**



Department of Mechanical Engineering  
of the Technische Universität Braunschweig

# CERTIFICATE

Master of Science

Mr.  
**Prashanth Sheshappa**

born on 05.11.1985 in Hassan Karnataka

successfully completed the Master degree in

**Computational Sciences in Engineering (CSE)**

with an overall grade of

**good (1,8)**



Transcript of Records	Credit Points	Grade	
<b>BCC-ENG Basic Core Courses - Engineering</b>			
Solid Mechanics	5	good	2,3
Fluid Mechanics	5	satisfactory	3,3
General Continuum Physics	5	satisfactory	3,0
<b>BCC-MCS Basic Core Courses – Mathematics and Computer Science</b>			
Numerical Methods for PDEs I	5	good	2,3
Introduction to Scientific Computing	5	satisfactory	3,3
Algorithms and Programming	5	good	1,7
<b>ECC-ENG Elective Core Courses – Engineering</b>			
Fundamentals of FEM	5	good	2,3
Fluid-Structure Interaction I - Phenomena	5	satisfactory	3,3
Fundamentals of Numerical Methods in Aerodynamics	5	excellent	1,0
<b>ECC-MCS Elective Core Courses – Mathematics and Computer Science</b>			
Numerical Methods for PDEs II	5	excellent	1,3
Intermediate Programming	5	excellent	1,0
Scientific Visualization	5	satisfactory	3,0
<b>IDC-LEC In-Depth Courses – Lectures</b>			
Theory and Numerics for Conservation Laws	4	good	2,0
Numerical Analysis in Aerodynamics	4	good	1,7
Basics of Continuum Mechanics	4	good	2,0

## Transcript of Records

## Credit Points

## Grade

### IDC-SEM In-Depth Courses – Project

Finite Element Mesh Optimization and Load  
Balancing for Parallel Computation

14

excellent

1,3

### IDC-SEM In-Depth Courses - Seminar

Basics of Discrete Element Method and its  
applications in agricultural processes

4

not graded

### MTH Master Thesis

Translating a CFD Postprocessor from the  
Standard FORTRAN 77 into FORTRAN 95  
Standard, Modifying it and Parallelising the  
Program System Using MPI Standards

30

excellent

1,0

### ADD Additional Exams

Parallel Computing I

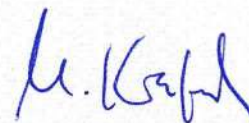
satisfactory

2,7

Braunschweig, 14.05.2013



Prof. Dr.-Ing. Thomas Vietor  
Dean



Prof. Dr.-Ing.habil. Manfred Krafczyk  
Chairman of the Examination Board