

DOCTORAL DOUBLE DEGREE PROGRAM / JOINT DEGREE PROGRAMME

Terms of Engagement



INDIAN INSTITUTE OF TECHNOLOGY MADRAS
Department of Management Studies and
Department of Engineering Design
Chennai — 600036 India

UNIVERSITÄT
DUISBURG
ESSEN

Open-Minded

UNIVERSITY OF DUISBURG-ESSEN
Faculty of Engineering Sciences
Department of Mechanical and Process Engineering
Forsthausweg 2, 47057 Duisburg, Germany

AGREEMENT FOR DOCTORAL DOUBLE DEGREE PROGRAMME / JOINT DEGREE PROGRAMME**Doctor of Philosophy (Ph. D.) / Doctor of Engineering Sciences (Dr.-Ing.)****Doctor of Philosophy (Ph. D.) / Doctor rerum naturalium (Dr. rer. nat.)****Doctor of Philosophy (Ph. D.) / Doctor rerum politicarum (Dr. rer. pol.)****between****INDIAN INSTITUTE OF TECHNOLOGY MADRAS****Department of Management Studies and****Department of Engineering Design****and****UNIVERSITY OF DUISBURG-ESSEN****Faculty of Engineering Sciences****Department of Mechanical and Process Engineering**

AGREEMENT FOR DOCTORAL DOUBLE DEGREE PROGRAMME/JOINT DEGREE PROGRAMME
Doctor of Philosophy (Ph.D.) / Doctor of Engineering Sciences (Dr.-Ing.)
Doctor of Philosophy (Ph.D.) / Doctor rerum naturalium (Dr. rer. nat.)
Doctor of Philosophy (Ph.D.) / Doctor rerum politicarum (Dr. rer. pol.)

THIS AGREEMENT is made on June 30th, 2015

BETWEEN:

- (1) **UNIVERSITY OF DUISBURG-ESSEN**, Faculty of Engineering Sciences, Department of Mechanical and Process Engineering, Forsthausweg 2, 47057 Duisburg, Germany („UDE“)
- and
- (2) **INDIAN INSTITUTE OF TECHNOLOGY MADRAS**, an educational institution created by an Act of Parliament and having its principal address at Chennai 600 036, Tamil Nadu, India (“IITM”), which expression Institute shall mean either **Institute or University**, party means Home Institute or Partner Institute and parties means both Home Institute and Partner Institute.
- (3) This Agreement includes two parts: 1) Agreement for Doctoral Double Degree Programme/Joint Degree Programme and 2) Agreement of Joint Supervision of Doctoral Thesis (Cotutelle). For every candidate an individual Agreement of Joint Supervision of Doctoral Thesis (Cotutelle) is formulated including especially the name of the candidate, the doctoral committee in charge and the title of the doctoral thesis. No structural changes are made to the contents of the Agreement of Joint Supervision for Doctoral Thesis (Cotutelle) in any case.

WHEREAS:

- (a) On June 30th, 2015 the Parties entered into a Memorandum of Understanding to develop academic exchange through Doctoral Double Degree Programme (DDDP)/JDP of Doctor of Philosophy/Doctor of Engineering Sciences (Dr.-Ing.), Doctor of Philosophy/Doctor rerum naturalium (Dr. rer. nat.), Doctor of Social Sciences/Doctor rerum politicarum (Dr. rer. pol.). (Remark: Depending on the academic qualification of the (co-) supervisor of UDE and the academic pre-qualification of the candidate, exactly one of these three categories applies.)
- (b) By entering into agreement through this MOU, the Parties agree to offer Doctoral Double Degree Programmes/Joint Degree Programme at Ph.D/doctorate level in all areas of research in accordance with the terms and conditions set out in this agreement.

NOW IT IS HEREBY AGREED AS FOLLOWS:

1. DOCTORAL DOUBLE DEGREE PROGRAMME STRUCTURE

- 1.1 The applicants who are interested in getting admitted into the DDDP/JDP will be first selected to the Ph.D/doctorate programmes at either Institute following its own selection procedures. Each applicant has to fulfill the requirements of either institute to become a doctoral candidate. The collaborating faculty from both the institutes will then select the DDDP/JDP scholars from among the candidates thus selected into the individual Ph.D/doctorate programmes at either Institute/Faculty. Candidates who are thus admitted into the DDDP/JDP programme, will have the collaborating faculty members who selected them as their guides/supervisors.
- 1.2 The guide at the Home Institute will be the main guide and the other from the Partner Institute/Faculty will be the co-guide of the candidates.
- 1.3 The doctoral commission of both universities and/or institutes/faculties commit themselves to lend their individual doctoral degree and to document this by two doctoral graduation certificates. These certificates have to state that they define a common doctorate graduation, which was prepared at both universities by a Cotutelle doctorate procedure.

The documents have to be signed by the responsible persons of both universities. For legal reasons, the UDE PhD diploma has to be in German. It will be accompanied by a certificate which translates the German diploma into English.

- 1.4 The two doctoral degrees are not allowed to be used at the same time; in the two related countries only the appropriate doctoral degree has to be used.

2. DOCTORAL COMMITTEE (OR EQUIVALENT)

2.1 A Doctoral Committee will be set up for each scholar to monitor the progress of the scholar till thesis is submitted. Every member of the Doctoral Committee is required to have the right to be a PhD supervisor according to the legal regulations at his or her home university. The set-up of Doctoral Committee has to fulfill both legal regulations of the home universities as best as possible. The applied rules of the final defense procedure are those of the university realizing the procedure.

2.2 The Doctoral Committee consists of the following (or equivalent)

- | | | |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1 | Head of the Department/Chairperson (or nominee of HoD/Chairperson) of the Home Institute [If the HoD happens to be the Guide of a scholar, the senior most Professor / previous HoD will be nominated by Chairman, Senate or his nominee] | - Chairman |
| | HoD may nominate Chairman, if he/she is otherwise engaged for the conduct of DC/GTC meetings to assess the progress of the scholars | |
| | HoD must be present for comprehensive Exam / Synopsis / Thesis report / Viva voce meetings (thesis defence) of the Scholar | |
| 2 | The Dean (Academic Research) of Home Institute or nominee | - Member |
| 3 | Research Guides from both the institutes | - Members |
| 4 | One faculty member each of the Departments of both the Institutes to which the guides belong, nominated by the respective Chairpersons, Senate following the procedures of the respective Institutes | - Members |
| 5 | One faculty member each of allied Departments of both the Institutes, or their respective allied Institutions, nominated by the respective Chairpersons, Senate following their respective procedures. | - Members |

2.3 The Doctoral Committee will meet once in a year till 4 years and beyond that, every six months.

3. COURSEWORK REQUIREMENTS

The candidate will satisfy the academic coursework requirements of his/her Home Institute. Courses may be taken when appropriate and recommended by the DC in the Partner Institute. IITM will abstain from the coursework requirements of candidates from UDE. Candidates selected by IITM are exempted from the qualification phase at UDE.

4. COMPREHENSIVE EXAMINATION

- 4.1 Comprehensive examination / qualifying examination will be conducted as per the rules of the Home Institute.
- 4.2 Every candidate shall pass the Comprehensive Examination of the Home Institute satisfactorily.

5. PROGRESS MEETING / SYNOPSIS / THESIS

Candidates joining the Doctoral Double Degree Program/ Joint Degree Programme will follow Home Institute regulations for monitoring their progress, submission of synopsis and submission / evaluation of the thesis.

6. TIME DURATION

- 6.1 Ph.D. students should spend a minimum of one year 6 months to one year at the Partner Institute working under the supervision of their co-guide, and taking courses if required to do so by the DC.
- 6.2 The minimum and maximum (if applicable) total duration of the programme will be governed by the rules of the Home Institute.
- 6.3 Each candidate will be entitled to the leave benefits (if any) available at Home Institute.

7. FEES AND EXPENSES

- 7.1 Candidates will pay tuition fees to their Home Institute throughout the duration of the DDDP, including the duration of study at the Partner Institute following the Home Institute fee structure.
- 7.2 If IITM happens to be the Home Institute, the candidate would be entitled for HTRA as per Institute Rules.
- 7.3 If IIT Madras happens to be the Host Institution, the visiting JDP candidate would be paid a monthly stipend sufficient to cover living expenses on campus. Likewise if UDE happens to be Host Institute, the candidate would be entitled for scholarship as per UDE Rules.
- 7.4 In order to encourage candidates to join the DDDP, the Partner Institute should make every endeavor to support the candidate financially for the costs associated with stay at the Partner Institute, insurance, etc. This may be done by helping to apply for scholarships possibly granted by other private or public institutions. The DDDP candidates need not be supported by their respective Home Institutes during their visits to the Partner Institutes.

8. WITHDRAWAL AND TERMINATION OF CANDIDATURE

The prevailing regulation for withdrawal and termination of candidature at the DDDP/JDP candidates' Home Institute shall apply.

Withdrawal and termination of any DDDP/JDP candidate must be supported by both his/her Home Institute and Partner Institute. In any event, the DC would advise the DDDP/JDP candidate on an appropriate course of action to take, which would be in the best interest of the DDDP/JDP candidate.

If the candidate does not fulfill the requirements of the DDDP/JDP programme, the doctorate procedure at the Home Institute will be governed by the Home Institute's rules.

9. THESIS REVIEW REPORTS & VIVA VOCE EXAMINATION

- 9.1 DDDP/JDP candidates can submit the thesis for further review only upon the positive recommendation of the Doctoral Committee. Evaluation of thesis and conducting of final viva-voce examination/defence shall follow the Home Institute's procedure.
- 9.2 When there is no procedure prescribed for the conduct of such examination, the procedures prescribed by IITM shall apply for evaluation of Thesis and conduct of viva-voce examination.

10. AWARD OF DEGREE

- 10.1 If the candidate completes all the requirements of the DDDP/JDP as described above, two separate degree certificate will be awarded by the respective Institutes/universities. The wording

in both the degree certificates must indicate unambiguously that the double degree is being awarded jointly with the Partner Institute (by name) for the same thesis.

- 10.2 The Agreement of Joint Supervision of Doctoral Thesis (Cotutelle) and the wording of the double degree certificates of the two Institutes or Faculties as described above are attached as an annexure to this agreement.

11. STUDENT OBLIGATIONS

DDDP/JDP candidates will be subjected to the rules, regulations, policies and codes of the Partner Institute while in the Partner Institute in addition to those of their Home Institute.

12. INTELLECTUAL PROPERTY, INVENTIONS AND INNOVATIONS

- 12.1 All intellectual property held by a Party prior to entering into this Agreement or disclosed or introduced in connection with this Agreement and all materials in which such intellectual property is held, disclosed or introduced shall remain the property of the Party introducing or disclosing it (the "**Background IP**").
- 12.2 All rights, titles and interests in any studies, reports or materials, graphic or otherwise, prepared by Home Institute will belong to that Institute and may not be made use of except with that Institute prior written consent. The provisions of this clause will survive till the termination of this Agreement.
- 12.3 Where the Institutes jointly develop intellectual property, inventions and innovations as a result of the research work of the JDP scholar working under the supervision of the guide and co-guide the terms with respect to title and exploitation of such intellectual property, inventions and innovations (including but not limited to trademarks and service marks, copyright, patents, know-how designs and confidential information on the subject of such intellectual property, inventions and innovations) (hereinafter collectively referred to as the "**Intellectual Property**") will be negotiated on a case-by-case basis. The general norm, for such case-by-case agreements will be that the ownership of Intellectual Property will in equal measure on the respective Institutes with the JDP scholar/faculty who had contributed to the research work acknowledged as Inventors. The rights of intellectual property and inventions/innovations of the candidate will remain unaffected. Save as aforesaid, nothing in this agreement shall be construed as a license or transfer or an obligation to enter into any further agreement with respect to intellectual property currently licensed to or belonging to either Institute. The parties shall thereupon equally share the costs of filing, maintenance and protection of jointly developed intellectual property, unless the right to file at a particular jurisdiction is waived by one Party.

13. AMENDMENTS

This Agreement may be amended and supplemented in writing at any time by the mutual consent of the Parties in writing.

14. TERM OF AGREEMENT

- 14.1 This Agreement shall commence on the Effective Date and shall remain in force for a period of five (5) years. Thereafter, it shall renew itself automatically for successive periods of five (5) years unless either Party give the other Party not less than six (6) months' notice in writing of its desire to terminate this Agreement, at any time during the initial or the relevant extended period.
- 14.2 Both Parties agree that in the event this Agreement is terminated for any reason, the Parties will use their best endeavors to allow all candidates already enrolled in the DDDP/JDP who are eligible to complete their candidature, to continue and complete the requirements for the DDDP/JDP in which they are enrolled, and to be awarded the double degree upon successful

completion of the DDDP/JDP. If it is not possible for a candidate to satisfy the requirements of and complete the DDDP /JDP he/she is enrolled in, the Parties will endeavour to allow that candidate, at his/her election, to complete the requirements for the PhD/doctorate degree offered by the Home Institute. The Parties agree that such a candidate will be given credit for all relevant units previously undertaken by the candidate at the Partner Institute as part of the DDDP/JDP.

15. DISPUTE RESOLUTION

Any disputes arising under or in connection with this Agreement which cannot be resolved by amicable discussions between the Parties shall be referred to the President / Director of the respective Parties or their nominees for resolution.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be duly executed on the day and year first above mentioned.



Univ.-Prof. Dr. Ulrich Radtke
RECTOR
UNIVERSITY OF DUISBURG-ESSEN



Prof. Bhaskar Ramamurthi
DIRECTOR
INDIAN INSTITUTE OF TECHNOLOGY MADRAS

DATE: 14. 7. 15



Univ.-Prof. Dr.-Ing. Dieter Schramm
DEAN OF FACULTY ENGINEERING
UNIVERSITY OF DUISBURG-ESSEN

**Vereinbarung
Ober die Doppelbetreuung
der Promotion
zwischen der**

***Indian Institute of Technology Madras,
Department of Management Studies und
Department of Engineering Design,
Chennai/Indien***

und der

***Universität Duisburg-Essen
Fakultät für Ingenieurwissenschaften,
Abteilung Maschinenbau und
Verfahrenstechnik***

Die unterzeichnenden Universitäten und Fakultäten stimmen der Anfertigung einer Dissertation zu, deren Erstellung und Disputation unter der gemeinsamen Verantwortung der zuständigen Fakultäten und der jeweiligen Betreuerinnen und Betreuer gemäß den nachstehend benannten Bedingungen erfolgt.

1

Dieses Abkommen betrifft Herrn:

*Max Mustermann
geboren am 01. Januar JJJJ
in Abcdorf, Bundesrepublik Deutschland.*

2.

Das vorläufige Thema der Dissertation lautet:

Gestern, Heute und Morgen.

Die Dissertation wird betreut von
Universitätsprofessorin/Universitätsprofessor/Privatdozentin/Privatdozent

Univ.-Prof. Dr. Rainer Leisten,

Universität Duisburg-Essen,
Fakultät für Ingenieurwissenschaften,
Lehrstuhl ABWL und Operations Management,
sowie von

Prof. Dr. Chandrasekharan Rajendran,

Indian Institute of Technology Madras,
Department for Management Studies.

Die betreuenden Professorinnen und Professoren verpflichten sich, die Aufgaben der Betreuung der Forschungsarbeiten gemeinsam und umfassend auszuüben und den laufenden

**Agreement
of Joint Supervision of
Doctoral Thesis (Cotutelle)
between the**

***Indian Institute of Technology Madras,
Department of Management Studies and
Department of Engineering Design,
Chennai/India***

and the

***University of Duisburg-Essen
Faculty of Engineering Sciences,
Department of Mechanical and
Process Engineering***

The signing universities and faculties agree to the preparation of a Ph.D. thesis, whose preparation and disputation will be realized under the common responsibility of the related faculties and the responsible supervisors in accordance with the rules given in the sequel.

1

This agreement concerns Mr.:

*Max Mustermann
born January 1st, YYYY
at Abcvillage, Federal Republic of Germany.*

2.

The provisional topic of the Dissertation is:

Yesterday, Today, and Tomorrow.

The Dissertation will be supervised by
Universitätsprofessorin/Universitätsprofessor/Privatdozentin/Privatdozent

Univ.-Prof. Dr. Rainer Leisten,

University of Duisburg-Essen,
Faculty of Engineering,
Chair of ABWL and Operations Management, as well by

Prof. Dr. Chandrasekharan Rajendran,

Indian Institute of Technology Madras,
Department for Management Studies.

The supervising professors commit themselves to exercise the tasks of the support of the research work together and comprehensively to the current research process and to accompany and to

Forschungsprozess des/der Promovierenden kontinuierlich zu begleiten und entsprechend den Bestimmungen der gültigen Promotionsordnungen sowie der vorliegenden Vereinbarung zu fördern.

Diese Vereinbarung stellt die Betreuungvereinbarung i.A. Promotionsordnung der Fakultät für Ingenieurwissenschaften dar. Der Abschluss einer weitergehenden Betreuungvereinbarung ist nicht notwendig.

3.

Der/die Doktorand/in schreibt sich an jeder der beiden Universitäten ein, ist aber an einer der beiden Universitäten von der Zahlung der Studiengebühren befreit.

Die Studiengebühren werden an der Universität ABC entrichtet.

Der/die Doktorand/in ist sozialversichert bei ABC Versicherung.

4.

Die voraussichtliche Dauer der Forschungsarbeiten beträgt drei Jahre. Die Frist kann gegebenenfalls in Übereinstimmung mit den in beiden Fakultäten jeweils gültigen Promotionsordnungen verlängert werden.

Die Erstellung der Dissertation verteilt sich auf abwechselnde Aufenthalte an den beiden an der Doppelbetreuung beteiligten Universitäten. Die Aufenthaltsdauer an jeder der beiden Universitäten beträgt mindestens ein Jahr.

Die Betreuung der Promotionsarbeiten beginnt bzw. die Einschreibung zum Promotionsstudium erfolgt zum

2. Februar JJJJ.

5.

Die Disputation (mündliche Prüfung einschließlich Vortrag) der Promotion erfolgt an der Universität *def.*

Sie wird im Rahmen dieses Abkommens von beiden Universitäten wie eine eigene Promotion anerkannt.

t.

6.

Die Prüfungskommission im Promotionsverfahren wird in Übereinstimmung mit ihren jeweiligen Bestimmungen zwischen beiden zuständigen Fakultäten von den jeweiligen Promotionsausschüssen einvernehmlich und gemeinsam benannt.

Sie wird paritätisch mit teilnahmeberechtigten Mitgliedern aus den jeweiligen Fakultäten besetzt.

promote according to the regulations of the valid doctorate regulations as well as to this agreement.

This agreement of joint supervision replaces the advisory agreement of the Faculty of Engineering. An additional extending supervising agreement is not necessary.

3.

The candidate enrolls him-/herself at each of the two universities and is released from the payment of the tuition fees at either of the two universities.

The tuition fees will be paid at the University of ABC. The candidate is registered for social insurance at ABC Insurance.

4.

The prospective duration of the research work will be three years. The period can be extended if necessary in agreement with the doctoral regulations valid in both Faculties.

The course of the dissertation process will be distributed on alternating stays at the two supporting universities. The duration of the research stay at each of the two universities will be at least one year.

The supervising of the doctoral work and/or the enrollment for doctoral studies commences on

February 2nd, YYYY.

5.

The disputation (oral exam including lecture presentation) of the doctoral work takes place at the university *def.*

The disputation is accepted on the basis of this agreement by both universities as its own doctoral disputation.

6.

The doctoral commission in the doctoral procedure is designated in agreement with both doctoral regulations of the responsible Faculties by the respective doctoral committees amicable and conjointly.

The doctoral commission is assigned in equal numbers of authorized members from the related

Sie besteht aus mindestens fünf Personen, darunter den beiden betreuenden Personen als Erstgutachterin bzw. Erstgutachter, sowie einer dritten Gutachterin bzw. einem dritten Gutachter als Zweitgutachterin bzw. Zweitgutachter einer anderen Universität. Hinsichtlich der Durchführung des Verfahrens, insbesondere hinsichtlich der Auslage, der Mitwirkungsrechte der Mitglieder der beteiligten Fakultäten, der Zusammensetzung der Prüfungskommission, der Fristen etc. sind die Erfordernisse und Qualitätsstandards der beiden Promotionsordnungen einzuhalten.

Die anfallenden Reisekosten der Prüfungskommissionsmitglieder im Promotionsverfahren werden von der eigenen Universität getragen.

7.

Die beiden Universitäten erkennen die Gültigkeit der durchgeführten Doppelbetreuung (Cotutelle) an. Nach Beendigung des mündlichen Prüfungsverfahrens und auf der Grundlage des Berichtes der Prüfungskommission verpflichten sich beide Universitäten bzw. Fakultäten, ihren jeweiligen Doktorgrad zu verleihen und dieses mit zwei Promotionsurkunden zu dokumentieren. Diese tragen den Vermerk, dass es sich um eine Promotion handelt, welche von beiden Universitäten im Rahmen eines Cotutelle-Promotionsverfahrens vorbereitet wurde. Die Urkunde wird von den jeweiligen Verantwortlichen beider Universitäten unterzeichnet.

Die beiden zu verleihenden Doktorgrade dürfen nicht gleichzeitig verwendet werden; im jeweiligen Ausstellungsland darf nur der entsprechende Doktorgrad verwendet werden.

Bezüglich des Schutzes des Dissertationsthemas und dessen Veröffentlichung, der Ausnutzung und des Schutzes der Forschungsergebnisse, die in beiden Forschungseinrichtungen von dem Doktoranden/der Doktorandin erzielt worden sind, gelten die jeweils gültigen Promotionsordnungen bzw. Betreuungsvereinbarungen der beiden Universitäten bzw. Fakultäten.

8.

*Spezifizierung
für das Cotutelle-Promotionsverfahren von Herrn Max Mustermann:*

Herr Max Mustermann hat für die Zulassung zum Promotionsprüfungsverfahren Auflagen zu erfüllen: Keine.

Die Sprache der Dissertation ist Englisch.

Faculties.

The doctoral commission consists of at least five persons including the two responsible supervisors as first reviewers as well as a third reviewer in the role as second reviewer from a third university. Regarding the execution of the procedure, in particular regarding the inspection of the thesis by the authorized members of the Faculties, the participation rights of the Faculty members of both Faculties involved, the formation of the doctoral commission, the formal terms etc. the requirements and quality standards of the two doctorate regulations are to be kept.

The related travel expenses of the doctoral commission members are borne by their own university.

7.

The two universities recognize the validity of the accomplished joint supervision (Cotutelle). After completion of the oral exam and on the basis of the report of the doctoral commission both universities and/or Faculties commit themselves to lend their individual doctoral degree and to document this with two doctoral graduation certificates. These certificates state that they define a common doctorate graduation, which was prepared at both universities by a Cotutelle doctorate procedure. The document has to be signed by the responsible persons of both universities.

The two doctoral degrees are not allowed to be used at the same time; in the two related countries only the appropriate doctoral degree has to be used.

Concerning the protection of the doctoral thesis topic and its publication, the utilization, and the protection of the research results which are obtained by the candidate in both research departments, the individual doctorate rules and/or the individual supervising agreements of the two Universities/Faculties has to be applied.

8.

*Specification
for the Cotutelle-Joint Supervision Agreement of Mr. Max Mustermann:*

Mr. Max Mustermann has to fulfill additional requirements for the permission to the doctoral disputation procedure: none.

The language of the dissertation is English.

Die schriftliche Promotionsarbeit (Dissertation) enthält Zusammenfassungen in den jeweiligen zugelassenen Sprachen, hier in Deutsch und Englisch.

Der vom Indian Institute of Technology Madras zu vergebende Titel ist Ph. D.

Der von der Fakultät für Ingenieurwissenschaften der Universität Duisburg-Essen zu vergebende Titel ist Dr.-Ing./Dr. rer. nat./Dr. rer. pol. (nicht zutreffendes streichen).

Die Sprache der Disputation ist Englisch.

Die Durchführung der Disputation und die Notenfindung erfolgt auf Grund eines von den beiden Promotionsausschüssen festgelegten Verfahrens auf Basis der Promotionsordnungen, welches zu dokumentieren ist.

Dieses Abkommen wird mit der Unterzeichnung durch die verantwortlichen Repräsentantinnen und Repräsentanten beider Universitäten gültig.

Unterschriften und Stempel:

.....
Der Rektor
Univ.-Prof. Dr. Ulrich RADTKE

.....
Dekan
Univ.-Prof. Dr.-Ing. Dieter SCHRAMM

.....
Dissertationsbetreuer
Univ.-Prof. Dr. Rainer LEISTEN

.....
 In zweifacher Ausfertigung

The written doctoral thesis contains summaries in the respective languages, which is German and English.

Indian Institute of Technology Madras awards the title: Ph. D.

The Faculty of Engineering of the University of Duisburg-Essen awards the title Dr.-Ing./Dr. rer. nat./Dr. rer. pol. (the non-related titles have to be erased).

The language of the oral exam is English.

The execution and awardment official grades follow the rules of a commonly agreed procedure defined by both the doctorate committees based on the doctorate regulations, which have to be documented.

This agreement is valid only with the signature of the responsible representatives of both universities.

Signatures and seals:

.....
The Director
Prof. Dr. Bhaskar RAMAMURTHI

.....
The Dean
Prof. Dr. R. NAGARAJAN

.....
Head of Department of Management Studies
Prof. Dr. TJ KAMALANABHAN

.....
Dissertation director and supervisor

Prof. Dr. Chandrasekharan RAJENDRAN

.....
 Prepared in two copies

FORMAT FOR DOUBLE DEGREE WITH TWO CERTIFICATES



INDIAN INSTITUTE OF TECHNOLOGY MADRAS
hereby confers the degree of

Doctor of Philosophy

of the Institute

on

<<name>>



*for successfully completing the prescribed programme of study and
presenting the thesis entitled*

<<TITLE >

jointly with -----

Given this day the _____

wider the seal of the Institute

Registrar

Director

Chairman, Board of Governors

Mr. Mustermann has the right to use the doctoral degree acquired in the Cotutelle procedure in co-operation of the Indian Institute of Technology Madras and the University Duisburg-Essen in either the German or the Indian manner. This doctoral degree requires no further governmental approval for usage within the State of India. This certificate is valid only in combination with the corresponding German Certificate.

UNIVERSITÄT
DUISBURG
ESSEN

Open-Minded

Die Universität Duisburg-Essen

verleiht

Herrn

Max Mustermann

geboren am 01. Januar YYYY in Abcdorf, Deutschland

den Grad eines

Doktors der Ingenieurwissenschaften (Dr.-Ing.)

Er hat in einem ordnungsgemäßen, gemeinsam von der Fakultät für Ingenieurwissenschaften der Universität Duisburg-Essen und dem Indian Institute of Technology Madras in Chennai/Indien betreuten Promotionsverfahren durch die mit „sehr gut“ beurteilte Dissertation mit dem Thema

„Gestern, Heute und Morgen“

sowie einer am 13. Oktober YYYY erfolgten Disputation seine wissenschaftliche Befähigung erwiesen und dabei das

Gesamtprädikat „magna cum laude“

erhalten.

Duisburg und Essen, 13. Oktober YYYY

Rektor

Dekan

(Univ.-Prof. Dr. rer. nat. Ulrich Radtke)

(Univ.-Prof. Dr.-Ing. Dieter Schramm)

Herr Mustermann hat das Recht, den im Rahmen des Cotutelle-Verfahrens zwischen dem Indian Institute of Technology Madras und der Universität Duisburg-Essen erworbenen Doktorgrad entweder in der deutschen oder der indischen Form zu führen. Dieser Doktorgrad bedarf zur Führung in der Bundesrepublik Deutschland keiner weiteren staatlichen Genehmigung. Diese Urkunde ist nur in Kombination mit der indischen Urkunde gültig.

Certificate

Mr. Max Mustermann
born on January 1st, YYYY in Abcdorf/Germany

has successfully fulfilled all the requirements outlined in the "Agreement for Doctoral Double Degree Programme" signed by representatives of the Indian Institute of Technology Madras and the University of Duisburg-Essen. He delivered a written thesis on July 29, YYYY, and passed the oral examination on October 13th, YYYY.

He was awarded the title Dr.-Ing. by the University of Duisburg-Essen and Ph. D. by the Indian Institute of Technology Madras. The two doctoral degrees are not allowed to be used at the same time; in the two related countries only the appropriate doctoral degree has to be used.

Duisburg, October 13th, YYYY

Rector

Dean of the Faculty of Engineering

(Univ.-Prof. Dr. rer. nat. Ulrich Radtke)

(Univ.-Prof. Dr.-Ing. Dieter Schramm)