

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1. Information identifying the holder of the qualification

- 1.1 Given name(s) and Family name** : Muhammad Tariq Arif Hussain
1.2 Date of birth : 23 September 1995
1.3 Place of birth : Dibrugarh, India
1.4 Student identification number / code : 2222716

2. Information identifying the qualification

2.1 Name of the qualification:

Getuigschrift Hoger Beroepsonderwijs (Degree Certificate of Higher Professional Education);
Degree: Bachelor of Science;
Nationally accepted title: Ingenieur (ing.)

2.2 Main field of study:

HBO-ICT (Information & Communication Technology), registered in the "Centraal register opleidingen hoger onderwijs" (CROHO) Central Register of Higher Education Study Programmes; Registration No. 30020.
Main Subject : ICT & Business

2.3 Name and status of awarding institution:

Fontys Hogescholen; public University of Applied Sciences, state recognized institution, falling within the scope of the Higher Education and Research Act (WHW Stb. 593, 1992 and subsequent amendments and supplements)

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2.5 Language of instruction:

English

3. Information on the level of the qualification

3.1 Level of qualification:

Bachelor's Degree; University of Applied Sciences; First cycle National Qualifications Framework for Higher Education; Level 6 EQF for LLL.

3.2 Official length of programme:

4 years; study load in ECTS-credits: 240

3.3 Access requirement(s):

See 'Requirements for Access to Higher Education'.
Prospective students with a certificate issued outside the Netherlands must demonstrate that their command of the English language is adequate.

4. Information on the contents and results gained

4.1 Mode of study:

Full-time, including work placements and / or research

4.2 Programme requirements:

Students are prepared for the particular professions by a degree programme as described in "Bachelor of ICT, domain description", March 2014, HBO-I stichting, (<http://www.hbo-i.nl/>).

A study at HBO-ICT offers various specializations to graduate. Within each specialization the student has to know and be able to realize core competences of one of the basic ICT profiles (Technology, Software Engineering, Business). A specialization can be chosen from this basic profile. Both the internships (work placement) and the graduation project should be carried out in the context of the specialization chosen.

The education is focused on innovation, closely intertwined with professional practise, it ensures the development of professional attitude, encourages an active study attitude and with that it is strongly oriented in personal development. The final competences of the chosen specialization are described in the appendix.

Two grading systems are used, one digital with scores ranging from 1 (very poor) to 10 (outstanding) and the other one textual with scores O (insufficient), V (sufficient), G (good), U (excellent). Alongside results gained during curricular courses exemptions can be acquired.

4.3 Programme details:

The first year of the programme is referred to as the Propaedeutic phase, which provides students with introductory courses and projects fundamental to the discipline in question. In the following core phase knowledge, skills and attitude are developed to an advanced level through courses, projects and an internship. Alongside focus on the body of knowledge of the major programme, expeditions are made to one or two different innovative application domains. In the final examination phase competences are developed to the bachelor level through courses, projects, a graduation project and a minor program. See the transcript for detailed information.

4.4 Grading scheme:

Grading system in the Netherlands

Dutch grades range from 1 (very poor) to 10 (outstanding); a 6 is a pass. It should be noted that 9s and 10s are rarely given. On final lists, grades are normally rounded off (above 0.5 is rounded up and below 0.5 is rounded down, thus a 5.5 equals a 6 equals a pass, whereas a 5.4 equals a fail.) However, on exams and course work, it is customary to get a grade that has not been rounded off. The Dutch grading system is listed in the table below.

| Grade | In words NL | Abbr. NL | Meaning EN | Abbr. EN |
|-------|------------------|----------|------------------------|----------|
| 10 | Uitstekend | U | Outstanding | O |
| 9 | Zeer Goed | ZG | Very Good | VG |
| 8 | Goed | G | Good | G |
| 7 | Ruim Voldoende | RV | More than Satisfactory | MS |
| 6 | Voldoende | V | Satisfactory | S |
| 5 | Twijfelachtig | T | Almost Satisfactory | AS |
| 4 | Onvoldoende | O | Unsatisfactory | U |
| 3 | Ruim onvoldoende | RO | Very Unsatisfactory | VU |
| 2 | Slecht | S | Poor | P |
| 1 | Zeer slecht | ZS | Very Poor | VP |

| Expression NL | Abbr. NL | Meaning EN | Abbr. EN |
|---------------|----------|------------|----------|
| Behaald | BEH | Pass | PA |
| Niet Behaald | NB | Fail | F |
| Vrijstelling | VR | Exemption | EX |

Grade Distribution Table

| Study programme: Bachelor Information & Communication Technology , register number 30020 Reference group: 3 previous academic years 2014-2015 - 2016-2017, number of passing grades: 27541 Fontys School: Fontys School of Information and Communication Technology | | | | | |
|--|---------|---------|---------|---------|--------|
| Grade: | 5.5-6.4 | 6.5-7.4 | 7.5-8.4 | 8.5-9.4 | 9.5-10 |
| % | 21.0% | 36.0% | 29.0% | 11.0% | 3.0% |
| Cum. % | 100.0% | 79.0% | 43.0% | 14.0% | 3.0% |

See: <https://www.fontys.nl/GradeDistribution> for information on the Grade Distribution at Fontys Hogescholen.

4.5 Overall classification of the qualification:

met goed gevolg (Successfully)

5. Information on the function of the qualification

5.1 Access to further study:

The "Getuigschrift Hoger Beroepsonderwijs" gives access to several types of further study: Related master degree programmes; Shortened university study programmes leading to the university "getuigschrift"; Post-HBO courses of varying length.

5.2 Professional status:

HBO graduates are fully qualified to practise their profession on the bachelor level without further study, licensing or registration with a professional association.

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6. Additional information**6.1 Additional information:**

The degree programme was accredited by the Accreditation Organization of the Netherlands and Flanders (Nederlands-Vlaamse Accreditatie Organisatie, NVAO) on 29 June 2018.

6.2 Further information sources:

For general information about Fontys: <http://www.fontys.nl>

For information in the English language: <http://fontys.edu/about-fontys>

Further information on Higher Professional Education in the Netherlands can be obtained at: Nuffic, Kortenaerkade 11, P.O. Box 29777, 2502 LT Den Haag, The Netherlands: <http://www.epnuffic.nl>

There is also an important site on the Recognition of Diplomas: <http://ec.europa.eu/education>

7. Certification of the supplement

7.1 Date : 28 January 2019

7.2 Signature :



7.3 Capacity : dr. ir. M.G.J. Franssen ; Chair of the Examination Board

7.4 Stamp :

**8. Information on the Dutch higher education system: See enclosed information**

Diploma Supplement Transcript of Credits (see No. 4.2/4.3.)

DEGREE PROGRAMME: Bachelor Information & Communication Technology
(registered name: Bachelor HBO-ICT)

Given name and Family name : Muhammad Tariq Arif Hussain
Date, place of birth : 23 September 1995 in Dibrugarh, India
Date of qualification : 28 January 2019
Student identification number : 2222716
Certificate identification number : 2222716-2019-1-000342

| | | |
|--------------|----------------------------|--|
| | Subject name | Subject name in English |
| Major | : HBO-ICT | Information & Communication Technology |
| Main Subject | : ICT & Business | ICT & Business |
| Minors | : - Applied Data Science | - Applied Data Science |
| | - Data Driven Business Lab | - Data Driven Business Lab |

Course components

| Code | Subject name | Subject name in English | Date | Grades | ECTS |
|------------|---|---|------------|--------|------|
| | <u>Propedeutic phase</u> | <u>Propedeutic phase</u> | | | |
| IICOM1_14 | Communication 1 | Communication 1 | 26/11/2014 | S | 2 |
| IIEB1_14 | Databases 1 | Databases 1 | 29/10/2014 | 6 | 3 |
| IIMAT1_14 | Mathematics 1 | Mathematics 1 | 04/04/2014 | 7 | 3 |
| IIPCS1_14 | Programming C# 1 | Programming C# 1 | 31/10/2014 | 6 | 4 |
| IICS_11 | Introduction computer systems | Introduction computer systems | 31/10/2014 | 7.8 | 3 |
| IIEB2_14 | Databases 2 | Databases 2 | 12/01/2015 | 9 | 3 |
| IIDE_11 | Integrated development environment | Integrated development environment | 24/06/2014 | 6 | 3 |
| IIMAT2_14 | Mathematics 2 | Mathematics 2 | 19/06/2014 | 7 | 3 |
| IIPCS2_14 | Programming C# 2 | Programming C# 2 | 31/03/2014 | 6.0 | 4 |
| IIPM_11P | Project Management | Project Management | 18/06/2014 | 8 | 2 |
| IIEB3_14 | Databases 3 | Databases 3 | 09/04/2015 | 6 | 3 |
| IIITA1_11T | Internet Applications 1 | Internet Applications 1 | 27/10/2014 | 8 | 3 |
| IIPOPD1_14 | Professional Orientation/Personal Development 1 | Professional Orientation/Personal Development 1 | 22/04/2015 | S | 2 |
| IIITILB_11 | IT Service Management | IT Service Management | 09/04/2015 | 7 | 3 |
| IISO1B_11 | System Development 1 | System Development 1 | 07/04/2015 | 7.9 | 3 |
| IIITA2_11T | Internet Applications 2 | Internet Applications 2 | 30/06/2015 | 8 | 3 |
| IIPCSB_13 | Programming C# Business | Programming C# Business | 12/01/2015 | S | 1 |
| IIPOPD2_14 | Professional Orientation/Personal Development 2 | Professional Orientation/Personal Development 2 | 24/06/2015 | S | 1 |
| IIPROP_11P | Project Propedeuse | Project Propedeuse | 23/06/2015 | 8.5 | 8 |
| IISO2B_11 | System Development 2 | System Development 2 | 16/06/2015 | 7.2 | 3 |
| | <u>Core phase</u> | <u>Corephase</u> | | | |
| IIBEC1_14 | Business Economics 1 | Business Economics 1 | 20/10/2015 | 6 | 3 |
| IISCM_15 | Supply Chain Management | Supply Chain Management | 19/10/2015 | 8 | 3 |
| IISO3_11 | System Development 3 | System Development 3 | 22/10/2015 | 6 | 3 |
| IUID_11 | User Interface Design | User Interface Design | 08/04/2015 | 5.5 | 3 |
| IIEXC_15 | Excel | Excel | 12/05/2016 | 6.9 | 3 |
| IISO4_11 | System Development 4 | System Development 4 | 20/01/2016 | 9 | 3 |
| IIBEC2_14 | Business Economics 2 | Business Economics 2 | 26/01/2016 | 8 | 3 |
| IIEBUS_14 | E-Business | E-Business | 22/01/2016 | 7.5 | 3 |
| IISOA_15 | Service Oriented Architecture | Service Oriented Architecture | 21/01/2016 | 7.3 | 3 |
| IISTAT_15 | Statistics | Statistics | 29/01/2016 | 6.8 | 3 |
| IIDWH_15 | Data Warehousing | Data Warehousing | 22/10/2015 | 7.4 | 3 |
| IIITE_11 | Introduction Telematics | Introduction Telematics | 14/04/2016 | 7 | 3 |

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| Code | Subject name | Subject name in English | Date | Grades | ECTS |
|------------|---|--|------------|--------|------------|
| 2291TAT&H | Trends & Hypes | Trends & Hypes | 30/06/2016 | 7.8 | 2 |
| IIBDK4 | Business | Business | 21/09/2016 | 6.4 | 7 |
| IIIB4 | Informatics for Business | Informatics for Business | 01/07/2016 | 6.6 | 6 |
| IIPTB4 | Proftask for Business | Proftask for Business | 01/07/2016 | 6 | 5 |
| IIEDB4_14 | Databases 4 | Databases 4 | 22/01/2018 | 5.5 | 3 |
| IIPRIN | Prince | Prince | 05/10/2016 | MS | 1 |
| 29ADS16 | Applied Data Science | Applied Data Science | 27/01/2017 | PA | 30 |
| IIIS_11 | Internship | Internship | 29/06/2017 | 9 | 30 |
| IIISP_11 | Presentation | Presentation | 29/06/2017 | 8.5 | 6 |
| IIISR_11 | Final Report | Final Report | 29/06/2017 | 9.0 | 12 |
| IIISW_11 | Preparation and execution | Preparation and execution | 29/06/2017 | 8.9 | 12 |
| | <u>Graduation phase</u> | <u>Graduation phase</u> | | | |
| 229FMDDBUS | Data Driven Business Lab | Data Driven Business Lab | 25/01/2018 | PA | 30 |
| 2291GRAD | Graduation Project | Graduation Project | 28/01/2019 | 7 | 30 |
| 2291GRADW | Work | Work | 28/01/2019 | 7.5 | 12 |
| 2291GRADR | Report | Report | 28/01/2019 | 7.0 | 12 |
| 2291GRADP | Presentation | Presentation | 28/01/2019 | 7.5 | 6 |
| | Totaal aantal behaalde ECTS-studiepunten | Total number of ECTS-credits achieved | | | 240 |