Friedrich-Alexander-Universität Erlangen-Nürnberg

Postadresse: Prüfungsamt, Postfach 3520, 91023 Erlangen

FAU Friedrich-Alexander-Universität Erlangen-Nürnberg

Examinations Office Erlangen / Nürnberg

Mr.
Morris Darren Babu
THANIGASALAM NAGAR,PONNIAMMANMEDU
88/23B,11th STREET
600110 CHENNAI

Overview for Examinations Office			
Exam	Status	ECTS	Grade
Master's examination	PV	80	2,60

List of examinations successfully taken by Mr. Morris Darren Babu

born on 16 December 2000 in Chennai, Tamil Nadu, Indien

Only ECTS credits of passed modules are counted. Not yet completely passed modules are listed in this document together with passed exams, but will not be considered in counting this total amount of ECTS credits..

Master of Science: Data Science (20212)

No.	Examination	Semester**	Date	Grade	Status	ECTS	Note	Attempt
10000	**Master's examination**			**2,60**		**80**		
2000	**Total**			**2,6**		**80**		
1720	**Specialisation Data Bases and Knowledge Representation**							
43961	**Knowledge discovery in databases with tutorial**							
675090	**Process-oriented information systems**							
1730	**Specialisation Machine Learning / Artificial Intelligence**		**2025-04-08**	**2,28**	**passed**	**35**		
428256	**Machine learning for time series**		**2023-03-23**	**2,7**	**passed**	**5**		
428256	Machine learning for time series	Winter 22/23	2023-03-23	2,7	passed	5		1
44130	**Pattern recognition**		**2023-04-11**	**3,3**	**passed**	**5**		
41301	Pattern recognition	Winter 22/23	2023-04-11	3,3	passed	5		1
65133	**Mathematical foundations of artificial intelligence, neural networks and data analytics**							
65882	**Machine learning in finance**		**2024-02-15**	**1,0**	**passed**	**10**		
58821	Machine learning in finance	Winter 23/24	2024-02-12	1,0	passed	8		1
58822	Machine learning in finance *Machine learning in finance*	Winter 23/24	2024-02-15	1,0	passed	2		1
93146	**AI software applications (VUE 5 ECTS)**			**2,0**	**passed**	**5**		

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List of examinations successfully taken by Mr. Morris Darren Babu
born on 16 December 2000 in Chennai, Tamil Nadu, Indien

No.	Examination	Semester**	Date	Grade	Status	ECTS	Note	Attempt
31461	AI software applications (VUE 5 ECTS)	Winter 23/24	2024-03-13	2,0	passed	5		1
93185	**Reinforcement learning**							
65067	**Introduction to control and machine learning**			**2,0**	**passed**	**5**		
50671	Introduction to control and machine learning	Summer 24	2024-08-23	2,0	passed	5		1
65884	**Theory of neural dynamics and applications to machine learning based on reservoir computing**		**2024-08-12**	**4,0**	**passed**	**5**		
58841	Theory of neural dynamics and applications to machine learning based on reservoir computing	Summer 24	2024-08-12	4,0	passed	5		1
1750	**Specialisation Mathematical Statistical Data Analysis**			**1,3**		**5**		
48440	**Machine learning in signal processing**		**2024-02-23**	**1,3**	**passed**	**5**		
84401	Machine learning in signal processing	Winter 23/24	2024-02-23	1,3	passed	5		2
1800	**Application fields**		**2025-03-27**	**3,56**	**passed**	**15**		
1825	**International Information Systems**							
57320	**Foundations of linked data**							
57043	**Business intelligence**							
1830	**Medical Data Science**		**2024-09-23**	**3,7**	**passed**	**5**		
47544	**Applied data science in medicine & psychology**		**2024-07-15**	**3,7**	**passed**	**5**		
75441	Applied data science in medicine & psychology	Summer 24	2024-07-15	3,7	passed	5		1
1845	**Artificial Intelligence in Biomedical Engineering**		**2025-03-27**	**3,5**	**passed**	**10**		
44445	**Cognitive neuroscience for AI developers**							
47674	**Movement Neuroscience: Connections between brain and muscles in humans**		**2024-08-02**	**3,0**	**passed**	**5**		
76741	Movement Neuroscience: Connections between brain and muscles in humans	Summer 24	2024-08-02	3,0	passed	5		2
645618	**Human computer interaction**		**2024-09-13**	**4,0**	**passed**	**5**		

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born on 16 December 2000 in Chennai, Tamil Nadu, Indien

No.	Examination	Semester**	Date	Grade	Status	ECTS	Note	Attempt
645618	Human computer interaction	Summer 24	2024-09-13	4,0	passed	5		3
44200	**Computational neurotechnology / Numerical neurotechnology**							
1850	**Technical key qualifications**		**2025-02-04**	**3,3**	**passed**	**5**		
47677	**Data science survival skills**		**2023-03-29**	**3,3**	**passed**	**5**		
76771	Data science survival skills	Winter 22/23	2023-03-29	3,3	passed	5		1
65785	**Mathematics of learning**		**2023-03-01**	**3,7**	**passed**	**5**		
57851	Mathematics of learning	Winter 22/23	2023-03-01	3,7	passed	5		1
65786	**Master's seminar (Data science)**		**2024-09-30**	**1,0**	**passed**	**5**		
57861	Master's seminar (Data science) *Master's seminar (Data science)*	Summer 24	2024-09-30	1,0	passed	5		1
65789	**Selected topics in mathematics of learning**		**2025-03-04**	**3,3**	**passed**	**5**		
57891	Selected topics in mathematics of learning	Winter 24/25	2025-03-04	3,3	passed	5		3
901895	**Deep learning**		**2024-07-29**	**3,3**	**passed**	**5**		
901895	Deep learning	Summer 24	2024-07-29	3,3	passed	5		2

To date, the student has accumulated 80 of the 120 ECTS credits required.

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List of examinations successfully taken by Mr. Morris Darren Babu
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Further explanations

*　　　　If the English text does not exist in the database, the German text will be printed!
**　　　Summer = summer semester, Winter = winter semester

The remaining final exam modules have not yet been completed and consist of a total of 80 ECTS credits. The current average grade is 2.6. This grade is not final. The final grade for the degree will not be calculated before the full amount of ECTS credits has been achieved and all course achievements have been completed. The student still has the right to sit examinations. Failed examinations or examinations which were missed with a valid reason must be completed in accordance with the examination regulations and within the given deadline. Leave or de-registration does not affect the deadline. Please consult the applicable examination regulations.

The overview of examinations/transcript of records in English is intended for informational purposes. Only the German version of this document is legally binding.

Description of grading system used

1.00/ 1.30: very good　　　1.70/ 2.00/ 2.30: good　　　2.70/ 3.00/ 3.30: satisfactory　　　3.70/ 4.00: sufficient

Explanation of abbreviations

Abbreviation	Meaning
AN	annulled achievement
AR	accredited achievement (in this case is the examination date the recognition date and the semester is the recognition semester)
AT	medical certificate
BE, EB	pass (also indicated with + under 'Grade' for ungraded achievements)
PV	commenced
NB	fail (also indicated with - under 'Grade' for ungraded achievements)
EN	failed at the final attempt
FR	failed to meet the deadline
KO	examination procedure suspended
NE	failed to attend examination (registration cancelled)
NT	failed to meet attendance requirements
RT	withdrawal by student
RW	rejection by examiner
TA	fraud
VM	deadline not met with reason
VO	deadline not met without reason (for **graded** achievements)
VOU	deadline not met without reason (for **ungraded** achievements)

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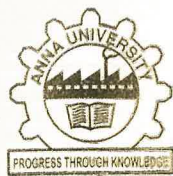
ANNA UNIVERSITY, CHENNAI - 600 025
B.E.   DEGREE EXAMINATIONS
TRANSCRIPT#

Sl. No. : TRG **193829**

PERIOD OF STUDY :   JUNE 2018 -

NAME OF THE CANDIDATE	MORRIS DARREN B		REGISTER NO.	211718104086	DATE OF BIRTH	16-DEC-2000	REGULATIONS	2017 (CBCS)
COLLEGE OF STUDY	RAJALAKSHMI INSTITUTE OF TECHNOLOGY		PROGRAMME & BRANCH		B.E. Computer Science and Engineering			

SEM	SUBJECT CODE	SUBJECT TITLE	C	LG	GP	RESULT
		Nov./Dec. 2018 Semester Examinations				
01	BS8161	Physics and Chemistry Laboratory	2	O	10	PASS
01	CY8151	Engineering Chemistry	3	B+	7	PASS
01	GE8151	Problem Solving and Python Programming	3	A	8	PASS
01	GE8152	Engineering Graphics	4	B+	7	PASS
01	GE8161	Problem Solving and Python Programming Laboratory	2	O	10	PASS
01	HS8151	Communicative English	4	A+	9	PASS
01	MA8151	Engineering Mathematics - I	4	B	6	PASS
01	PH8151	Engineering Physics	3	B	6	PASS
		Apr./May 2019 Semester Examinations				
02	BE8255	Basic Electrical, Electronics and Measurement Engineering	3	U	0	RA
02	CS8251	Programming in C	3	A	8	PASS
02	CS8261	C Programming Laboratory	2	A	8	PASS
02	GE8261	Engineering Practices Laboratory	2	A+	9	PASS
02	GE8291	Environmental Science and Engineering	3	B+	7	PASS
02	HS8251	Technical English	4	A+	9	PASS
02	MA8251	Engineering Mathematics - II	4	B+	7	PASS
02	PH8252	Physics for Information Science	3	A	8	PASS
		Nov./Dec. 2019 Semester Examinations				
03	CS8351	Digital Principles and System Design	4	A	8	PASS
03	CS8381	Data Structures Laboratory	2	A+	9	PASS
03	CS8382	Digital Systems Laboratory	2	A+	9	PASS
03	CS8383	Object Oriented Programming Laboratory	2	A+	9	PASS
03	CS8391	Data Structures	3	A	8	PASS
03	CS8392	Object Oriented Programming	3	A+	9	PASS
03	EC8395	Communication Engineering	3	B	6	PASS
03	HS8381	Interpersonal Skills/Listening and Speaking	1	O	10	PASS
03	MA8351	Discrete Mathematics	4	B+	7	PASS
02	BE8255	Basic Electrical, Electronics and Measurement Engineering	3	B	6	PASS
		Apr./May 2020 Semester Examinations				
04	CS8451	Design and Analysis of Algorithms	3	A	8	PASS
04	CS8461	Operating Systems Laboratory	2	O	10	PASS
04	CS8481	Database Management Systems Laboratory	2	O	10	PASS
04	CS8491	Computer Architecture	3	A	8	PASS
04	CS8492	Database Management Systems	3	A	8	PASS
04	CS8493	Operating Systems	3	A	8	PASS
04	CS8494	Software Engineering	3	A+	9	PASS
04	HS8461	Advanced Reading and Writing	1	O	10	PASS
04	MA8402	Probability and Queueing Theory	4	A	8	PASS
		Nov./Dec. 2020 Semester Examinations				
05	CS8501	Theory of Computation	3	A+	9	PASS
05	CS8581	Networks Laboratory	2	O	10	PASS
05	CS8582	Object Oriented Analysis and Design Laboratory	2	A+	9	PASS
05	CS8591	Computer Networks	3	O	10	PASS
05	CS8592	Object Oriented Analysis and Design	3	A	8	PASS
05	EC8681	Microprocessors and Microcontrollers Laboratory	2	O	10	PASS

SEM	SUBJECT CODE	SUBJECT TITLE	C	LG	GP	RESULT
		Nov./Dec. 2020 Semester Examinations				
05	EC8691	Microprocessors and Microcontrollers	3	A+	9	PASS
05	MA8551	Algebra and Number Theory	4	O	10	PASS
05	OTL553	Telecommunication Network Management	3	A+	9	PASS
		Apr./May 2021 Semester Examinations				
06	CS8075	Data Warehousing and Data Mining	3	A+	9	PASS
06	CS8601	Mobile Computing	3	A	8	PASS
06	CS8602	Compiler Design	4	O	10	PASS
06	CS8603	Distributed Systems	3	O	10	PASS
06	CS8611	Mini Project	1	O	10	PASS
06	CS8651	Internet Programming	3	O	10	PASS
06	CS8661	Internet Programming Laboratory	2	O	10	PASS
06	CS8662	Mobile Application Development Laboratory	2	O	10	PASS
06	CS8691	Artificial Intelligence	3	O	10	PASS
06	HS8581	Professional Communication	1	O	10	PASS

* * * * * End of Statement * * * * *

YET TO COMPLETE THE PROGRAMME

Medium of Instruction : ENGLISH (All Semesters) SEM - Semester, C - Credits, LG - Letter Grade, GP - Grade Point, RA - Reappearance, RA* - Absent, W - Withdrawal, SE - Sports Exemption, **CBCS - Choice Based Credit System**

RANGE	91-100	81-90	71-80	61-70	50-60	<50
LETTER GRADE	O	A+	A	B+	B	U
GRADE POINTS	10	9	8	7	6	0

$$CGPA = \frac{\sum_{i=1}^{n} C_i GP_i}{\sum_{i=1}^{n} C_i}$$

Where C_i - is the Credits assigned to the course

GP_i - is the point corresponding to the grade obtained for each Course

n - is number of all Courses successfully cleared during the particular Semester in the case of GPA and during all the Semesters in the case of CGPA

Chennai - 600 025

Date : 17-DEC-2021

This Transcript is a consolidation of all the Grade Sheets issued to the Candidate.

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CONTROLLER OF EXAMINATIONS i/c

Authorised Attesting Officer