

Examinations Office Erlangen / Nürnberg

Mr.

Jhenkar Ranganatha

Bengaluru, Karnataka, India

No. 62, Nynar Gadde, Kalkunte Agrahara Hosakote

560067 Bengaluru, Karnataka

Student registration number: 23211929

15 September 2025

Page 1

Overview for Examinations Office			
Exam	Status	ECTS	Grade
Master's examination	PV	90	2,10

**List of examinations successfully taken by Mr. Jhenkar Ranganatha****born on 13 January 2000 in Bengaluru, Karnataka, 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: Clean Energy Processes (20212)**

No.	Examination	Semester**	Date	Grade	Status	ECTS	Note	Attempt
10000	Master's examination			2,10		90		
2000	Total			2,1		90		
1700	Elective Module		2024-03-25	2,2	passed	60		
1701	Specialization modules with laboratory course 1-2		2023-03-31	2,6	passed	15		
42905	Thin-film processing with laboratory course		2023-02-28	3,3	passed	7,5		
	Course (Vorlesung mit Übung): Thin-Film Processing(*)	Winter 22/23						
29051	Thin-film processing	Winter 22/23	2023-02-27	3,3	passed	5		1
29052	Laboratory course: Thin-film processing	Winter 22/23	2023-02-28		passed	2,5	+	1
42906	Photovoltaic systems - Fundamentals with laboratory course		2023-03-31	2,0	passed	7,5		
29061	Photovoltaic systems - Fundamentals	Winter 22/23	2023-03-14	2,0	passed	5		1
29062	Laboratory course: Photovoltaic systems - Fundamentals	Winter 22/23	2023-03-31		passed	2,5	+	1
1703	Compulsory elective module 1-3		2023-10-05	1,2	passed	15		

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Student registration number: :: 23211929  
15 September 2025  
Page 2

No.	Examination	Semester**	Date	Grade	Status	ECTS	Note	Attempt
<b>42935</b>	<b>Optical diagnostics in energy and process engineering</b>		<b>2023-03-22</b>	<b>1,3</b>	<b>passed</b>	<b>5</b>		
29351	Optical diagnostics in energy and process engineering	Winter 22/23	2023-03-22	1,3	passed	5		1
<b>42937</b>	<b>Polymer Recycling</b>		<b>2023-10-05</b>	<b>1,0</b>	<b>passed</b>	<b>5</b>		
29371	Polymer recycling	Summer 23	2023-10-05	1,0	passed	5		1
<b>42939</b>	<b>Chemical Technologies for the Energy Transition</b>		<b>2023-07-26</b>	<b>1,3</b>	<b>passed</b>	<b>5</b>		
29391	Chemical technologies for the energy transition	Summer 23	2023-07-26	1,3	passed	5		1
<b>1702</b>	<b>Specialization modules 1-4</b>		<b>2024-03-25</b>	<b>2,9</b>	<b>passed</b>	<b>20</b>		
<b>42921</b>	<b>Renewable thermal power plants</b>		<b>2023-02-16</b>	<b>3,0</b>	<b>passed</b>	<b>5</b>		
29211	Renewable thermal power plants	Winter 22/23	2023-02-16	3,0	passed	5		1
<b>42918</b>	<b>Fuel cells and electrolyzers</b>		<b>2023-08-03</b>	<b>3,0</b>	<b>passed</b>	<b>5</b>		
29181	Fuel cells and electrolyzers	Summer 23	2023-08-03	3,0	passed	5		1
<b>42924</b>	<b>Electrical energy storage systems</b>		<b>2023-10-02</b>	<b>2,3</b>	<b>passed</b>	<b>5</b>		
29241	Electrical energy storage systems	Summer 23	2023-10-02	2,3	passed	5		1
<b>42917</b>	<b>Clean combustion technology</b>		<b>2024-03-25</b>	<b>3,3</b>	<b>passed</b>	<b>5</b>		
29031	Clean combustion technology	Winter 23/24	2024-03-25	3,3	passed	5		1
<b>1704</b>	<b>Elective modules from other specialization 1-2</b>		<b>2024-02-23</b>	<b>2,0</b>	<b>passed</b>	<b>10</b>		
<b>53286</b>	<b>Economics of climate change (ECC)</b>		<b>2023-02-08</b>	<b>2,1</b>	<b>passed</b>	<b>5</b>		
32861	Written examination: Economics of climate change	Winter 22/23	2023-02-08	2,3	passed	2,5		1
32862	Project assignments: Economics of climate change	Winter 22/23	2023-01-25	2,0	passed	2,5		1
<b>42913</b>	<b>Phosphors for light conversion in photovoltaic devices and LEDs</b>		<b>2024-02-23</b>	<b>2,0</b>	<b>passed</b>	<b>5</b>		
29021	Phosphors for light conversion in photovoltaic devices and LEDs	Winter 23/24	2024-02-23	2,0	passed	5		1
<b>1750</b>	<b>Elective modules (FAU)</b>		<b>2024-07-27</b>	<b>1,8</b>	<b>passed</b>	<b>10</b>		

15.09.2025 - Jhenkar Ranganatha Mtknr.: 23211929

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No.	Examination	Semester**	Date	Grade	Status	ECTS	Note	Attempt
27721	Renewable energies	Summer 23	2023-08-04	2,0	passed	5		1
50671	Machine learning for engineers I - Introduction to methods and tools	Summer 24	2024-07-27	1,7	passed	5		1
1995 Internship / practical training on industry					passed	10		
1995	Internship / practical training on industry	Summer 25	2025-08-21		passed	10	+	1
45002	Sustainability and environmental ethics		2024-03-26	2,0	passed	5		
50021	Sustainability and environmental ethics	Winter 23/24	2024-03-26	2,0	passed	5		1
45003	Advanced seminar		2023-08-30	1,3	passed	5		
50031	Advanced seminar	Summer 23	2023-08-30	1,3	passed	5		1

To date, the student has accumulated 90 of the 120 ECTS credits required.

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Student registration number: 23211929  
15 September 2025  
Page 4

**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 90 ECTS credits. The current average grade is 2.1. 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 <b>graded</b> achievements)
VOU	deadline not met without reason (for <b>ungraded</b> achievements)