

## ASSESSMENT OF ANNUAL ACTIVITY PLAN OF PhD STUDENT academic year 2023/2024

### PhD student

Name and surname, academic degree:	<b>Famous Oghomwen IGBINOVIA</b>
STAG ID:	E17917
Study programme:	Applied Informatics
Form of study / Year of study:	Full Time / 7 <sup>th</sup> Year
Commencement date:	02.10.2017
Supervisor:	doc. Ing. Jiří Křupka, PhD.
Faculty institute (workplace):	Institute of System Engineering and Informatics
Dissertation title:	The Role of the Internet of Renewable Energy (IoRE) in Smart Regional Model

### Study plan

Compulsory courses		Number of ECTS	Planned year of fulfilment				Date of Examination
			1.	2.	3.	4.	
1	Methodology of Scientific Work	15					12.09.2018
2	Advanced Methods of Mathematics and Statistics	15					15.05.2019 20.04.2020
3	Theoretical Informatics	30					16.03.2018 08.07.2019
<b>Compulsory options / Optional courses</b>							
4	Decision Making and Management in Complex Systems	10					04.01.2019
5	Simulation and Modelling	10					13.05.2020
6	Artificial and Computational Intelligence	10					NOTE: This course was replaced with Modelling and Simulation
State Doctoral Exam							09.12.2021
Defence of Dissertation Thesis							planned by 31.03.2025

**Stage of work on the dissertation**

Stage of work on the dissertation in a particular academic year:	
Proposed Plan	Real Achievements
1. Literature review continues.	Completed
2. Experimental work.	Partially Completed
3. Complete and submission of the dissertation.	Work in progress
4. Defence of dissertation.	31 <sup>st</sup> March 2025

**Scientific-Research Activities of PhD student**

Publication outcomes of PhD student, participation in projects or other relevant activities performed in a particular academic year:		
Proposed Plan	Real Achievements	Points
1. Famous O. Igbinovia, Bruno Canizes, Jiri Krupka, and Zita Vale “Internet of Renewable Energy (IoRE) in Electricity Industry: A Theoretical Review of the State-of-the-Art”, Applied Energy. Print ISSN: 0306-2619 Online ISSN: 1872-9118. Publisher – Elsevier. Impact Factor: 11.2 (Work in progress).	The journal papers 1 and 2, after a thorough review, were compressed into one paper titled: “Moving Towards an Intelligent 100% Renewable Energy Information and Communication System for Local Island Electricity Community with Internet of Things (IoT): A Comprehensive Review” and submitted to a special issue of the Applied Energy Journal of Elsevier.  The conference was not attended owing to lack of funds.	
2. Famous O. Igbinovia, Bruno Canizes, Jiri Krupka, and Zita Vale, “Information and Communication Systems for Local Electricity Grids Communities”, Applied Energy. Print ISSN: 0306-2619 Online ISSN: 1872-9118. Publisher – Elsevier. Impact Factor: 11.2 (Work in progress).		
3. Famous O. Igbinovia, Bruno Canizes, Jiri Krupka, and Zita Vale, An Internet of Renewable Energy (IoRE) Based Blockchain Architecture”, 2024 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Aug. 12 - 14, 2024, Kingston, ON, Canada, Kingston, Canada. (Work in progress).		
4. Famous O. Igbinovia, Bruno Canizes, Jiri Krupka, and Zita Vale, Regional Internet of Renewable Energy (IoRE) Blockchain		

Consensus Transaction, 2024 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Aug. 12 - 14, 2024, Kingston, ON, Canada, Kingston, Canada. (Work in progress).	The conference was not attended owing to lack of funds.	
--	---	--

### **Pedagogical activities of PhD student**

Courses taught, format of teaching or other relevant pedagogical activities in a particular year:	
Proposed Plan	Real Achievements
Not planned.	Not performed

### **Study stays in the Czech Rep. and abroad / Internships, international cooperation etc.**

Internships and study stays in a particular academic year:	
Proposed Plan	Real Achievements
Internship at GECAD - Research Group on Intelligent Engineering and Computing for Advanced Innovation and Development, Polytechnic Institute of Porto, Portugal, from 1 <sup>st</sup> October 2023 to 29 <sup>th</sup> February 2024.	The internship took place at the Polytechnic Institute of Porto, Portugal, from 1 <sup>st</sup> October 2023 to 30 <sup>th</sup> August 2024.

<b>Annual activity plan of PhD student</b> in a particular academic year arranged on: 25. 9. 2023		
Student's signature:	Supervisor's signature:	Head of the institute's signature:



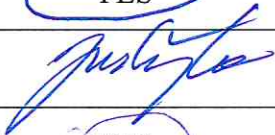

**Evaluation of student's activities performed in a particular academic year:**

It is my assessment that the student has made significant progress in the dissertation and has completed the requisite activities to prepare the dissertation manuscript.

It is essential to acknowledge his international mobility at the Polytechnic of Porto, Portugal, from 1 October 2023 to 30 August 2024.

Mr. Igbinovia must submit his dissertation defense application by the end of 2024 (that is, by December 20, 2024).

Mr. Igbinovia has to submit his application to defend his dissertation by the end of 2024 (that is, by December 20, 2024). This is because his studies end on 31 March 2025.

Supervisor's recommendation to continue study of PhD student:	<input checked="" type="radio"/> YES <input type="radio"/> NO
Supervisor's signature:	
Agreement on supervisor's recommendation by the head of the institute:	<input checked="" type="radio"/> YES <input type="radio"/> NO
Head of the institute's signature:	

**Annual assessment of PhD student in a particular academic year**

Discussed by members of the advisory board on:	
Summary by the advisory board:	
Head of the advisory board's signature:	

Comments by the dean regarding the annual assessment:	
Dean's signature:	