

## ASSESSMENT OF ANNUAL ACTIVITY PLAN OF PhD STUDENT academic year 2022/2023

### PhD student

Name and surname, academic degree:	<b>Ibrahim Alameri</b>
STAG ID:	E190069
Study programme:	Applied Informatics
Form of study / Year of study:	4 <sup>th</sup> / Full-time
Commencement date:	21-10-2019
Supervisor:	Prof. Ing. Jitka Komárková
Faculty institute (workplace):	Institute of System Engineering and Informatics
Dissertation title:	Modification of the AODV Routing Discovery Mechanism in Wireless Mesh Networks

### Study plan

Compulsory courses		Number of ECTS	Planned year of fulfilment				Date of Examination
			1.	2.	3.	4.	
1	Methodology of Scientific Work	15					29.6.2020 Fulfilled
2	Advanced Methods of Mathematics and Statistics	15					11-08-2021 Fulfilled
3	Theoretical Informatics	30					23-08-2022 Fulfilled
4							
Compulsory options / Optional courses							
5	Simulation and Modelling						14/05/2021 Fulfilled
6	English - C1						19.05.2020 Fulfilled
7	Czech for Foreign Academic Staff - A1						2021 Fulfilled
8	Geographic Information Systems						1. 7. 2020 Fulfilled
9	Erasmus + Traineeship						5-8-2022 Fulfilled



10	Erasmus courses (Internet of Things (IoT) and Applications, Communication Technology, and Wireless & Mobile Communications + English Course) – NTU- UK						5-8-2022 Fulfilled
State Doctoral Exam							21-12-2022
Defence of Dissertation Thesis							

### Stage of work on the dissertation

Stage of work on the dissertation in a particular academic year:	
Proposed Plan	Real Achievements
To pass the State Doctoral Exam and to start to write the thesis itself.	<p>The State Doctoral Exam passed on December 21, 2022.</p> <p>I am currently in the step of my Ph.D. thesis, actively engaged in a comprehensive process that covers evaluation, enhancement, proofreading, and organizational structuring. This phase is being conducted closely with my academic supervisor. she is giving me invaluable expertise and guidance.</p> <p>I have written about 150 pages. Now, I am improving the quality of the text (its structure and details). I plan to submit the thesis by October 2023.</p>



### 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
One conference paper and journal article	<ul style="list-style-type: none"><li>• Systematic review on modification to the Ad-Hoc on-demand distance vector routing discovery mechanics, September 2022. PeerJ computer science – WoS Journal – Q2- Published</li><li>• Performance and Statistical Analysis of Ant Colony Route in Mobile Adhoc Networks, June 2022. International Journal of Electrical and Computer Engineering (IJECE) – Scopus – Q2 - Published</li><li>• Evaluation of E-Teaching Implementation in Iraqi Universities, 2022. 3rd Congress on Intelligent Systems CIS 2023 – Conf – Scopus – Springer – Published</li><li>• Fuzzy logic in MANET: Routing, Applications and Challenges  2022. ICACIn 2023 – Conf – ISI- WoS- Springer. Published, not yet indexed</li><li>• The Influence of Node Speed on MANET Routing Protocol Performance   2023. ICACIn 2022 – Conf – ISI- WoS- Springer. Published, not yet indexed</li><li>• Fuzzy-based Optimization of AODV Routing for Efficient Route in Wireless Mesh Networks, 2023 (2024?). PeerJ computer science – WoS Journal – Q2 – accepted, under process of publishing.</li><li>• Fuzzy Logic-Based Congestion Control in AODV Mesh Networks. ICECCME. 2023 Scopus IEEE conference, Accepted and under process of publishing.</li></ul>	



	<ul style="list-style-type: none"><li>• Improved Hybrid Model to Text Detection by Using k-means and mser-swt with CNN. Scopus IEEE conference, 2023 Accepted and under process of publishing.</li></ul>	
--	--	--

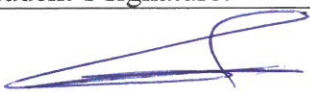

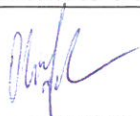


### Pedagogical activities of PhD student

Courses taught, format of teaching or other relevant pedagogical activities in a particular year:	
Proposed Plan	Real Achievements
No plans, all requirements already fulfilled	

### 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
No plans, all requirements already fulfilled	

Annual activity plan of PhD student in a particular academic year arranged on: 26. 9. 2022		
Student's signature:	Supervisor's signature:	Head of the institute's signature:
		



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

The student worked very hard. He fulfilled all requirements and he is finishing the thesis.	
Supervisor's recommendation to continue study of PhD student:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Supervisor's signature:	
Agreement on supervisor's recommendation by the head of the institute:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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:	