

**CRITICAL EVALUATION OF THE  
PRODUCTIVITY DURING THE WORK FROM  
HOME AND ITS IMPACT ON SOFTWARE  
PROFESSIONALS**

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Master of Business Administration

Computer Science  
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Dissertation submitted in partial fulfillment of the requirements for the  
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## **DECLARATION**

I declare that this is my own work and this Dissertation does not incorporate without acknowledgement any material previously submitted for a Degree or Diploma in any other University or Institute of higher learning and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgement is made in the text. I retain the right to use this content in whole or part in future works (such as articles or books).

Signature:

Date: 28 July 2023

The supervisor should certify the Dissertation with the following declaration.

The above candidate has carried out research for the Master of Business Administration Dissertation under my supervision. I confirm that the declaration made above by the student is true and correct.

Name of Supervisor: Dr. Nisansa de Silva

Signature of the Supervisor:

Date: 28 July 2023

## **ACKNOWLEDGEMENT**

I acknowledge this MBA research project, titled "Critical Evaluation of the Productivity during the Work from Home and Its Impact on Software Professionals," to all the software professionals who have embraced the challenges and opportunities presented by remote work. To the countless individuals who have adapted their routines, juggling personal and professional responsibilities, and striving for excellence amidst uncertain times, this research is a tribute to your resilience, dedication, and commitment to your craft.

I extend my heartfelt appreciation to the software professionals who willingly shared their insights and experiences, providing invaluable data and perspectives that enriched this study. Your openness and willingness to contribute have made this research possible. I would like to express my deepest gratitude to my supervisor, Dr. Nisansa de Silva, for his guidance, patience, and support throughout this research journey. His expertise and mentorship have played a vital role in shaping the structure and direction of this study. Moreover, I would like to extend my heartfelt gratitude and appreciation to Dr. Adeesha Wijayasiri, my esteemed course coordinator, whose unwavering support and guidance have been invaluable throughout my MBA journey. I am indebted to my family and friends for their unwavering encouragement, understanding, and belief in my abilities. Your constant support has fueled my determination to pursue this research and has been a source of strength throughout this endeavor.

Lastly, I would like to acknowledge the faculty, staff, and the entire academic community at the University of Moratuwa. Your commitment to education and research has provided me with an environment conducive to learning and growth, and I am grateful for the opportunities and resources made available to me. To all those who have contributed in ways seen and unseen, this dedication is a token of appreciation for your role in the realization of this research project. May the findings of this study contribute to the body of knowledge and inspire further exploration in the field of remote work and software professionals' productivity.

Nipuna Deelaka Wijesinghe Kannangara

## **ABSTRACT**

The evolution of computer and networking technologies has facilitated remote work, and the accessibility of information technology solutions has become crucial for business continuity. With the aid of information technology, employees can exchange and receive textual, aural, and visual information, leading to improved internal and external communication and successful task execution. It is of utmost importance, particularly during pandemics, for information technology professionals to be efficient in their work for the benefit of everyone. This study aims to assess the impact of working from home on the productivity of software professionals. Additionally, it aims to identify factors that influence productivity within this context. The study focuses primarily on the productivity of software professionals in the working-from-home paradigm. Data will be collected through a questionnaire survey, and hypothesis testing will be conducted to evaluate the formulated hypotheses. The findings of this study reveal a significant and positive effect of team management, work-life balance, training, and workload management on the productivity of the work-from-home concept.

**Keywords:** Team management, Work-life balance, Training, Workload management, Productivity

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## LIST OF ABBREVIATIONS

<b>Abbreviation</b>	<b>Description</b>
COVID-19	Coronavirus Disease 2019
IBM	International Business Machines Corporation
KMO	Kaiser-Meyer-Olkin
MLR	Multiple Linear Regression
MSE	Mean Squared Error
PA	Predictive Analysis
SDSD	Standard Data Set Distribution
SPSS	Statistical Package for the Social Sciences
VIF	Variance Inflation Factor
WFH	Work From Home
WLB	Work Life Balance

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