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Respondent

370 Umme Marzia Haque

04:08

Time to complete

Field of Research Codes

Field of Research (FOR) codes are part of The Australian and New Zealand Standard Research Classification (ANZSRC) system, which was designed to measure and analyse research and development statistics in Australia and New Zealand. FOR codes categorise research activity according to the field in which research is undertaken. You will need your supervisor's input to determine the correct Field of Research (2020) code(s) to apply to your thesis. A comprehensive list of those codes is available

from <https://www.abs.gov.au/statistics/classifications/australian-and-new-zealand-standard-research-classification-anzsrc/2020>, or https://www.abs.gov.au/statistics/classifications/australian-and-new-zealand-standard-research-classification-anzsrc/2020/anzsrc2020_toa.xlsx

1. Please enter the Field of Research (2020) code(s) appropriate to your thesis below. You can specify more than one. *

Please separate each code with a comma. Codes must be to **6 digits**, and there must be at least one code.

460501, 420308, 170203, 080109

Supervisor Details

Please verify your supervisory team by answering the items below.

2. Who is your Principal Supervisor? *

Dr Enamul Kabir

3. Please list your Associate Supervisors below *

Please separate each name in the list with a comma

Professor Rasheda Khanam

4. Please list any external (to UniSQ) research supervisors below (leave blank if none)

Please separate each name in the list with a comma

Program Details

Please note that completing this section is not an opportunity to apply for a program change.

5. Which of the following awards was your thesis submitted for? *

- Doctor of Business Administration (DBAR)
- Doctor of Creative Arts (DCAR)
- Doctor of Education (DEDU)
- Doctor of Philosophy (DPHD)
- Doctor of Philosophy (DPHD)
- Doctor of Professional Engineering (DPEN)
- Doctor of Professional Studies (DPRS)
- Master of Business Research (MBSR)
- Master of Engineering Research (MENR)
- Master of Laws (Research) (LLMR)
- Master of Professional Studies (MPSR)
- Master of Science (Research) (MSCR)
- Master of Research (MRES)

Thesis Details

Please provide the following information about your thesis

6. What type of thesis have you produced? *

- Standard Thesis
- Thesis by Publication
- Thesis with Creative Works component

7. Please enter your final thesis title in sentence case below. *

i.e. "This is my thesis title."

ENHANCING EARLY DETECTION OF PSYCHOLOGICAL DISORDERS IN CHILDREN AND ADOLESCENTS USING ML: A COMPREHENSIVE MENTAL HEALTH ASSESSMENT

8. You are required to provide an Australian Higher Education Graduation Statement (AHEGS). Your AHEGS must take the form of a 100-word abstract that summarises your thesis. It cannot be longer than 100 words. *

This thesis advances child and adolescent mental health by integrating health informatics and data science with machine learning techniques. Comprising five published papers and two submitted manuscripts, it utilises nationwide and longitudinal datasets to enhance predictive modelling for disorders such as depression, OCD, SAD, and ADHD. Through advanced methodologies, including feature engineering and association rule mining, significant predictors are identified to inform targeted interventions. The research culminates in user-friendly web applications designed for clinical decision support, contributing to early diagnosis and intervention strategies, thereby addressing critical behavioral and developmental challenges within the field of child and adolescent mental health.

9. Please provide up to six keywords related to your study. *

Separate keywords with a comma

Child and adolescent mental health, health informatics, machine learning, predictive modelling, association rule mining

Embargo Period

1. It is expected that students will publish as part of the candidature process and that they and their supervisors will endeavour to ensure informed consent to publication has been granted. To allow students to publish from their research, their thesis would normally be placed on embargo for a period of 12 months. Under the embargo, the metadata of the record (including the abstract) will be visible to the public, but the thesis will be hidden from public view.

2. In demonstrated exceptional circumstances an application to embargo the thesis in excess of 12 months can be made on lodgment of the thesis. Such circumstances may include, but are not restricted to, the following:

- The research project was sponsored by an external funding body where the intellectual property is not fully owned by the student;
- The research project has resulted in 'commercial-in-confidence' outputs such as software, patents, or designs;
- The content of the thesis includes culturally sensitive material or where individuals may be personally identified by the content;
- Other special cases, such as discipline specific publishing practices.

3. Requests to embargo a thesis must be nominated at the time of providing the thesis as part of the final requirements for graduation. Supporting documentation as to the nature of the request to extend the embargo in excess of 12 months should be attached.

4. Requests to extend an existing embargo for a further 12 month period may be considered. Applications to extend must be made in writing to the Graduate Research School (GRS) at least three months prior to the expiration of the original embargo period.

5. Appeals regarding the decision of the GRS will be referred to the Deputy Vice-Chancellor (Research and Innovation) or nominee, for resolution within 20 days of receipt at the GRS.

6. Requests for access to an embargoed thesis will be referred to the copyright holder, or designated nominee for permission to access.

10. Please choose the appropriate embargo period from the list below *

- Immediately release the document for world-wide access
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- Restrict access for a period in excess of 12 months (Specify in next question)

11. How long should access be restricted for, and what is the justification for that? *

Please note that you are making a request that may be declined by the University.

After restricting access for a period of 12 months, an additional 6-month restriction on access should be applied.

12. Please add any further requests regarding public access to your thesis below.

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13. I hereby grant the University of Southern Queensland or its agents the right to copy, archive and communicate the thesis in whole or in part in any format or media (now or hereafter known), in University Libraries, the Internet and institutional repositories. I retain all proprietary rights, such as patent rights. I also retain the right to use in future works (such as articles or books) all or part of this thesis. I have gained permission to use, in the electronic form of the thesis, content that is copyrighted by third parties, such as graphics and photographs. *

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The file uploaded to this form will be that stored in the Research Repository by the UniSQ Library. It is important that it be the copy of your thesis that is approved by the University.

14. I confirm that the file uploaded below is a direct copy of my thesis approved by the University, for the Higher Degree by Research program I have been engaged in, and no emendation of content has occurred. I certify that the ideas, experimental work, results analyses, software and conclusions reported in this thesis are entirely my own effort, except where otherwise acknowledged. I also certify that the work is original and has not been previously submitted for any other award, except where otherwise acknowledged. *

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15. Please upload your thesis here. *

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16. Email address for future correspondence *

Please note that, unless you have and/or are retaining a position with the University, your named UniSQ email account (i.e. [Firstname.Surname@usq.edu.au](#)) will be disabled after your program completion has been processed. It is important that the email address you specify here is one that you will retain access to beyond graduation.

marziahaque202@gmail.com

UniSQ ICT Resources

Unless you will be retaining a position at UniSQ after graduation, the named UniSQ email account you were provided at the commencement of your HDR program (i.e. [Firstname.Surname@usq.edu.au](#)), together with access to UniSQ's OneDrive environment, access to UniSQ's Microsoft 365 subscription, and any UniSQ network drives **will be terminated** once you have been approved to graduate.

You will, however, retain access to your UniSQ Umail account (i.e. [U1234567@umail.usq.edu.au](#)) for a period of 12 months after you graduate.

It is important, therefore, that you download any and all research data you have stored within UniSQ's OneDrive environment, and that you take steps to ensure any subscriptions or third party online accounts associated with your named UniSQ email account have been updated to reflect the fact that you will not have access to that email address in future.

17. I have read and understood the above, and have taken the appropriate action(s). *

I agree with this statement

Declaration

18. I declare the information supplied by me in this form and relevant attachments to be true and correct. *

I agree with this statement