



# LECTURER – DH IMAGE ANALYTICS

<b>DEPARTMENT/UNIT</b>	Information Technology – Digital Health
<b>FACULTY/DIVISION</b>	Faculty of Information Technology
<b>CLASSIFICATION</b>	Level B
<b>WORK LOCATION</b>	Clayton campus

## ORGANISATIONAL CONTEXT

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Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at [www.monash.edu](http://www.monash.edu).

The **Faculty of Information Technology** aims to lead global IT research and education. Our strong reputation and international profile attracts the best students worldwide and we offer a range of accredited courses that transform our graduates into highly skilled and sought after IT professionals, equipped to work globally. Our research is multi-disciplinary, multi-campus and multi-national, giving us a unique capacity to reach out further and deeper than any other institution in Australia. Our research priorities are both technically ambitious and embedded in everyday life.

To learn more about the Faculty and the exciting work we do, please visit [www.infotech.monash.edu.au/](http://www.infotech.monash.edu.au/).

**Digital Health** is a cross-faculty and cross-university research growth area. We conduct multidisciplinary, participatory research based on innovative computer science, software engineering, information and knowledge management systems. We focus on approaches and techniques to address a range of research problems from very technical issues, to those involving people, data about people, and the impact on people.

Our researchers are engaged in a broad spectrum of socio-technical projects that address issues in patient-doctor interaction, optimal treatment decisions, patient-centred health monitoring and the creation of trustworthy data sharing and integration across healthcare systems and organisations.

Monash IT will be an integral part of the Victorian Heart Hospital project. Located in the Monash Precinct, the hospital will provide high-value med- tech innovation, delivering significant community health benefits.

## POSITION PURPOSE

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A Level B academic is expected to make contributions to the teaching effort of the University and to carry out activities to maintain and develop their scholarly, research and/or professional activities relevant to the profession or discipline.

The Level B academic is a major part of a range of initiatives in Digital Health (DH) at Monash, and will conduct research as part of a growing team of digital health researchers and teach into the Faculty's degree programs. The position will be working closely alongside the Professor (Practice), Digital Health, in collaboration with the build of Australia's leading heart hospital, the Victorian Heart Hospital. This position provides high quality advice on image analytics processes and methodologies and the impacts on staff and patients.

**Reporting Line:** The position reports to the Group Lead, Data Science

**Supervisory Responsibilities:** The position may provide supervision to Postgraduate/PhD research students

**Financial Delegation:** Not applicable

**Budgetary Responsibilities:** Not applicable

## KEY RESPONSIBILITIES

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Specific duties required of a Level B academic may include:

1. The conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, clinical sessions and/or studio sessions
2. Initiation and development of subject material
3. Acting as subject coordinators; the preparation and delivery of lectures and seminars
4. Supervision of the program of study of honours students or of postgraduate students engaged in course work
5. Supervision of major honours or postgraduate research projects
6. The conduct of research
7. Involvement in professional activity
8. Development of course material with appropriate advice from and support of more senior staff
9. Marking and assessment
10. Consultation with students
11. A range of administrative functions the majority of which are connected with the subjects in which the academic teaches
12. Attendance at departmental, school and/or faculty meetings and/or membership of a number of committees

## KEY SELECTION CRITERIA

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### Education/Qualifications

1. The appointee will have:
  - A doctoral or masters qualification in the relevant discipline area or equivalent accreditation and standing

### Knowledge and Skills

2. Possess a high level of interpersonal skills and demonstrated ability to work independently and as part of a team across both the education and service sectors
3. Demonstrated track record in data science research within image analytics and a commitment and capacity to apply data science to or a demonstrated track record in applying data science in image analytics within digital health research

4. Demonstrated statistical analysis and manuscript preparation skills; including developing a solid track record of refereed research publications
5. Ability to work positively and cooperatively with students, internal and external teams and external organisations
6. Demonstrated strong record of teaching experience in a tertiary environment
7. Demonstrated ability to motivate, actively engage and educate a given audience
8. Demonstrated experience in curriculum and subject material development
9. Proven ability, commitment and passion for engaging in scholarly and research activities
10. A demonstrated capacity to work in a collegiate manner with other staff in the workplace

## **OTHER JOB RELATED INFORMATION**

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- Travel to other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted
- A current satisfactory Working With Children Check is required

## **LEGAL COMPLIANCE**

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Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.