

# Verification and Validation Report: ImgBeamer

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# 1 Revision History

Date	Version	Notes
2023/03/26	0.1.0	Creation

## 2 Symbols, Abbreviations and Acronyms

symbol	description
T	Test

See the SRS [\[3\]](#), VnV Plan [\[4\]](#), MG [\[1\]](#), and MIS [\[2\]](#) Documentation for additional items.

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### **3 Functional Requirements Evaluation**

### **4 Nonfunctional Requirements Evaluation**

#### **4.1 Usability**

#### **4.2 Performance**

#### **4.3 etc.**

### **5 Comparison to Existing Implementation**

This section will not be appropriate for every project.

### **6 Unit Testing**

### **7 Changes Due to Testing**

### **8 Automated Testing**

### **9 Trace to Requirements**

### **10 Trace to Modules**

### **11 Code Coverage Metrics**

### **References**

- [1] J. de Fourestier. Module guide for ImgBeamer, 2023. URL [https://github.com/joedf/CAS741\\_w23/blob/main/docs/Design/SoftArchitecture/MG.pdf](https://github.com/joedf/CAS741_w23/blob/main/docs/Design/SoftArchitecture/MG.pdf).

- [2] J. de Fourestier. Module interface specification for ImgBeamer, 2023. URL [https://github.com/joedf/CAS741\\_w23/blob/main/docs/Design/SoftDetailedDes/MIS.pdf](https://github.com/joedf/CAS741_w23/blob/main/docs/Design/SoftDetailedDes/MIS.pdf).
- [3] J. de Fourestier. Software requirements specification for ImgBeamer: Scanning electron microscope image formation, 2023. URL [https://github.com/joedf/CAS741\\_w23/blob/main/docs/SRS/SRS.pdf](https://github.com/joedf/CAS741_w23/blob/main/docs/SRS/SRS.pdf).
- [4] J. de Fourestier. Verification and validation plan for ImgBeamer, 2023. URL [https://github.com/joedf/CAS741\\_w23/blob/main/docs/VnVPlan/VnVPlan.pdf](https://github.com/joedf/CAS741_w23/blob/main/docs/VnVPlan/VnVPlan.pdf).

## Appendix — Reflection

The information in this section will be used to evaluate the team members on the graduate attribute of Lifelong Learning. Please answer the following questions:

- 1.
- 2.