

ST. JOSEPH'S
COLLEGE, MOOLAMATTOM
ARAKULAM P.O- 685591, IDUKKI, KERALA



2.3.1 Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences and teachers use ICT-enabled tools including online resources for effective teaching and learning process





I-STEM (Indian Science, Technology and Engineering Facilities Map)



The Government of India has been funding research and development efforts at academic institutions. I-STEM is a National Portal, which assists researchers in locating the specific facility(ies) they need for their R&D work. The portal also assists in shortlisting and identifying the facilities based on distance and time of availability. However, the mapping of facilities based on availability and distance was not available. The government aims at bridging the gap, by converging information on facilities developed through government support and researchers who are qualified to utilise these facilities for research work. St. Joseph's College Moolamattom has availed the assistance offered by I-STEM from the academic year 2022-23, a comprehensive program designed to support the researchers in their research assistance areas of BSc and MSc Chemistry, BSc Physics, BSc Mathematics, and Integrated Data Science. It was structured in a way that allowed for a combination of theoretical knowledge and practical skills, making it suitable for individuals at various levels of expertise. The researchers can use the rented laboratory facility, free courses, and free usage of tools and software for the research works.

Facilitating the I-STEM Web Portal by the Govt of India was a valuable and enriching experience. The high-quality instruction, comprehensive course content, and practical components have equipped each researcher with the knowledge and skills necessary to excel in the chosen field.

The students from the **Department of Integrated M.Sc Data Science** have completed the training course in MATLAB Onramp.



ST. JOSEPH'S COLLEGE

MOOLAMATTOM

ARAKULAM P.O- 685591
IDUKKI, KERALA
stjosephscollegemoolamattom.ac.in



St. Joseph's College,
Moolamattom
IN ASSOCIATION WITH IQAC

I-STEM

Indian Science, Technology and Engineering
Facilities Map

The I-STEM Web Portal: a National Portal that is the gateway for researchers to locate the specific facility(ies) they need for their R&D work and identify the one that is either located closest to them or available the soonest.

Only for B.Sc./M.Sc. student

Get support for your research

[Learn More](#)

<https://www.istem.gov.in/>



CONTACT:
SR. SIJO FRANCIS
DEPARTMENT OF CHEMISTRY



Course Completion Certificate

Jisny Johnson

has successfully completed **100%** of the self-paced training course

MATLAB Onramp



DIRECTOR, TRAINING SERVICES

18 October 2023

Progress Report

Name: Liana S
Course: MATLAB Onramp
Progress: **100%** complete (as of 12 October 2023)

Chapters

- | | | | |
|------------------------------------|-------------|-------------------|-------------|
| 1. Course Overview | 100% | 12. Programming | 100% |
| 2. Commands | 100% | 13. Final Project | 100% |
| 3. MATLAB Desktop and Editor | 100% | 14. Conclusion | 100% |
| 4. Vectors and Matrices | 100% | | |
| 5. Array Indexing and Modification | 100% | | |
| 6. Array Calculations | 100% | | |
| 7. Function Calls | 100% | | |
| 8. Documentation | 100% | | |
| 9. Plots | 100% | | |
| 10. Data Import | 100% | | |
| 11. Logical Arrays | 100% | | |

Progress Report

Name: Meenakshi Suresh
Course: MATLAB Onramp
Progress: **100%** complete (as of 12 October 2023)

Chapters

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|------------------------------------|-------------|-------------------|-------------|
| 1. Course Overview | 100% | 12. Programming | 100% |
| 2. Commands | 100% | 13. Final Project | 100% |
| 3. MATLAB Desktop and Editor | 100% | 14. Conclusion | 100% |
| 4. Vectors and Matrices | 100% | | |
| 5. Array Indexing and Modification | 100% | | |
| 6. Array Calculations | 100% | | |
| 7. Function Calls | 100% | | |
| 8. Documentation | 100% | | |
| 9. Plots | 100% | | |
| 10. Data Import | 100% | | |
| 11. Logical Arrays | 100% | | |

Progress Report

Name: Augustine Shaji
Course: MATLAB Onramp
Progress: **100%** complete (as of 12 October 2023)

Chapters

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|------------------------------------|-------------|-------------------|-------------|
| 1. Course Overview | 100% | 12. Programming | 100% |
| 2. Commands | 100% | 13. Final Project | 100% |
| 3. MATLAB Desktop and Editor | 100% | 14. Conclusion | 100% |
| 4. Vectors and Matrices | 100% | | |
| 5. Array Indexing and Modification | 100% | | |
| 6. Array Calculations | 100% | | |
| 7. Function Calls | 100% | | |
| 8. Documentation | 100% | | |
| 9. Plots | 100% | | |
| 10. Data Import | 100% | | |
| 11. Logical Arrays | 100% | | |

Progress Report

Name: Ann mariya Rajan
Course: MATLAB Onramp
Progress: **100%** complete (as of 12 October 2023)

Chapters

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|------------------------------------|-------------|-------------------|-------------|
| 1. Course Overview | 100% | 12. Programming | 100% |
| 2. Commands | 100% | 13. Final Project | 100% |
| 3. MATLAB Desktop and Editor | 100% | 14. Conclusion | 100% |
| 4. Vectors and Matrices | 100% | | |
| 5. Array Indexing and Modification | 100% | | |
| 6. Array Calculations | 100% | | |
| 7. Function Calls | 100% | | |
| 8. Documentation | 100% | | |
| 9. Plots | 100% | | |
| 10. Data Import | 100% | | |
| 11. Logical Arrays | 100% | | |

Progress Report

Name: Kathir Kathir
Course: MATLAB Onramp
Progress: **100%** complete (as of 12 October 2023)

Chapters

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|--|-------------------------------|
| 1. Course Overview 100% | 12. Programming 100% |
| 2. Commands 100% | 13. Final Project 100% |
| 3. MATLAB Desktop and Editor 100% | 14. Conclusion 100% |
| 4. Vectors and Matrices 100% | |
| 5. Array Indexing and Modification 100% | |
| 6. Array Calculations 100% | |
| 7. Function Calls 100% | |
| 8. Documentation 100% | |
| 9. Plots 100% | |
| 10. Data Import 100% | |
| 11. Logical Arrays 100% | |

Progress Report

Name: Jinix Chacko
Course: MATLAB Onramp
Progress: **100%** complete (as of 12 October 2023)

Chapters

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|------------------------------------|-------------|-------------------|-------------|
| 1. Course Overview | 100% | 12. Programming | 100% |
| 2. Commands | 100% | 13. Final Project | 100% |
| 3. MATLAB Desktop and Editor | 100% | 14. Conclusion | 100% |
| 4. Vectors and Matrices | 100% | | |
| 5. Array Indexing and Modification | 100% | | |
| 6. Array Calculations | 100% | | |
| 7. Function Calls | 100% | | |
| 8. Documentation | 100% | | |
| 9. Plots | 100% | | |
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