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| **Indian Academy of Industrial and Applicable Mathematics** [**www.iaiam,co.in**](http://www.iaiam,co.in) | **Bhaskaracharya Pratishthana Pune** [**www.bprim.org**](http://www.bprim.org) |

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**Indian Academy of Industrial and Applicable Mathematics (IAIAM) in Association with Bhaskaracharya Pratishthana, Pune, is organizing special sessions and a panel discussions on “Role of Industrial Mathematics and AI in Robotics and Automation” On 15th and 16th May 2025, 7 to 8.30 PM On line Topics covered: AI and Mathematical Preliminaries, AI and Robotics Automation, Cyber Security and Cryptography**

For any information Contact:

Dr. Ajay V. Deshmukh,

Organizer and Anchor Speaker

Cell 7447474652, Email:- [ajaydeshmukhpune@gmail.com](mailto:ajaydeshmukhpune@gmail.com)

**Role of Industrial Mathematics and AI in Robotics and Automation : Lecture Sessions and Panel Discussions 15th and 16th May 2025, (Thu-Fri) 7 to 8.30 PM On line**

Speakers and Panel Members

* Prof. Dr. S. A. Katre, Former Prof. Mathematics, SPPU Pune, President IAIAM and Custodian Bhaskaracharya Pratishthana Pune
* Dr. Seema Purohit, CCO IAIAM Mumbai Region, Global Prof. of Practice, GGU CA, Prof. Emerites BK Birla College, Kalyan
* Dr. Aditi Sharma, Associate Professor, CSE, Symbiosis Institute of Technology, Symbiosis International University, Pune
* Ms. Kajal Rajvaidya (CEO and Director KITS), CCO IAIAM for Nagpur Region, International Master Trainer Robotics
* Dr. Ajay V. Deshmukh, Member and Treasurer IAIAM, Director CIM, Bhaskaracharya Pratishthana, Pune, Independent Director and Advisor to Industries and Universities

It is FREE but registration is mandatory

Registration Link: <https://forms.gle/4tycS9NJHDSsWMpP8>

Who can attend ?

Faculty members from science and engineering, researchers, PG students, scientists and Industry R&D engineers can attend. Basic mathematics and computer background is expected.

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| Day-1 | 15th May 2025 (Thursday) |  |
| Time (IST) | **Topic** | **Speaker** |
| 7.00 to 7.10 PM | Introduction, , Overview, Industrial Mathematics , About IAIAM, About CIM at Bhaskaracharya Pratisthana, Pune | Dr. Ajay V. Deshmukh |
| 7.10 to 7.50 PM | Mathematical Preliminaries and Cryptography | Dr. S. A. Katre |
| 7.50 to 8.30 PM | Cyber Security | Dr. Aditi Sharma |
| 8.30 to 9.10 PM | Basics of AI and Machine Learning | Dr. Seema Purohit |
| Day-2 | **16th May 2025 (Friday)** |  |
| 7.00 to 7.40 PM | Industrial Mathematics and Engineering Applications: A Phenomenal Approach | Dr. Ajay V. Deshmukh |
| 7.40 to 8.20 PM | AI in Robotics and Automation | Kajal Rajvaidya |
| 8.20 to 9.00 PM | Panel Discussions and Question Answers | All the Speakers |
| 9.00 to 9.10 PM | SUMMING UP, FEEDBACK, CONCLUSION |  |
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| **Indian Academy of Industrial and Applicable Mathematics** | **Bhaskaracharya Pratishthana Pune** |
| **Centre for Research in Industrial and Applicable Mathematics (CRIAM)** | **Centre for Industrial Mathematics (CIM)** |

**Schedule for the Special “Sessions and Panel Discussions on Role of Industrial Mathematics, AI in Robotics and Automation and Cybersecurity”, 15th and 16th May 2025 (Thu-Fri)**