



**Directorate of International Collaboration (DoIC)  
International Summer School-2022  
Manipal University Jaipur (ISSMUJ-2022)**

# ISSMUJ -2022 (Hybrid Mode)

**June- July 2022**

**Course/Project Details:**

Dates: 20 June- 07 August, 2022  
Language of instruction: English  
Total credits awarded: 03

Directorate of International Collaboration, Manipal University Jaipur [MUJ] is pleased to conduct - International Summer School-2022 in hybrid mode which offers diverse, intensive 4-6 weeks summer courses/ projects for young professionals and students who wish to develop their interpersonal skills or refine their expertise in cutting-edge domains.

**Program Fee:**

USD 100/Participants

Partner Universities/Group discount  
(4 or more): USD 80/Participant  
For Indian Participants: INR 1500

Charges for food and accommodation will be beared by students as per norms.

**Name of Courses:**

- Energy Audit • Applied calculus • Introduction to Game Theory • Solar Photovoltaic Systems
- Fascinating world of mandala • Demystifying Indian Culture Through its Cuisines
- Understanding Data Visualization in Data Science using Tableau/Microsoft Power BI
- Robotic Process Automation in Business • Earthonomics • Logo and collateral design
- Introduction to Astronomical Science • Univariate and Multivariate Data Analysis with SPSS
- Advanced Queueing Models • Introduction of Software reliability • Gemology
- Sustainable Product Development • Advanced Functional Materials for Energy Engineering
- Air-Conditioning System Design • Exploring Software Defined Networking using NetSim2.0

**Name of Projects:**

- Synthesis and Characterisation of High Performance Bioactive glass-ceramic Nano-particulates and their applications in composite bone implants
- Cyber security for Cloud, Fog and Edge Technologies • Design Thinking & Product Design • Optimization of Machining Parameters on EDM
- Performance, Emission and Combustion Characteristics of Diesel Engine Operated with Waste Cooking - Pongamia Oil Biodiesel Blends

For more details of courses/projects, visit

<https://jaipur.manipal.edu/muj/Announcements/International-Summer-School-2022.html>

**Conveners:**

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Directorate of International Collaborations (DoIC)

**Dr. Santosh Patil**  
Deputy Director, DoIC

**Prof. Amit Soni**  
Director, DoIC

**Dr. Praveen Kumar Surolia**  
Assistant Director, DoIC



Link for Registration Fee Payment

<https://www.payumoney.com/customer/users/paymentOptions/#/1011F8DA7C0FCB5EC870FBB52B99DD08/ISSMUJ2022/216979>

Registration Link/Scan

[https://docs.google.com/forms/d/e/1FAIpQLScjrAeEpc\\_xoTuRaXLjW\\_ShIFe3Eq42UH7xC7y4Lc6N5bR8w/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLScjrAeEpc_xoTuRaXLjW_ShIFe3Eq42UH7xC7y4Lc6N5bR8w/viewform?usp=sf_link)





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**List of Courses:**

| Sn | Name of Course   | Name of Course Instructor  | Sn | Name of Course                                       | Name of Course Instructor  | Sn                       | Name of Course   | Name of Course Instructor   |
|----|--|--|----|--|--|--------------------------|--|---|
| 1  | Energy Audit   | Dr. Hemant Raj Singh<br>(Manipal University Jaipur)  | 9  | Logo and collateral design                           | Ms. Aanchal Trehan<br>(Manipal University Jaipur)  | 17                       | Air-Conditioning System Design   | Dr. Rahul Goyal<br>(Manipal University Jaipur)<br>Dr Shiv Raj Dhaka (IGBC)  |
| 2  | Applied calculus   | Dr. Kalpana Sharma<br>Dr Alok Bhargava<br>Dr Ruchika Mehta<br>(Manipal University Jaipur)  | 10 | Introduction to Astronomical Science                 | Dr. Laxmi Poonia<br>Dr. Mohd. Rizwanullah<br>Dr. Ram Naresh Saraswat<br>(Manipal University Jaipur)          | 18                       | Exploring Software Defined Networking using NetSim2.0  | Mrs. Kuntal Gaur<br>Dr. Lokesh Sharma<br>(Manipal University Jaipur)<br>Dr. Chagan Lal<br>(TU Delft, Netherlands) |
| 3  | Introduction to Game Theory  | Dr Suddhendu DasMahapatra<br>Mr Devesh Chandra<br>(Manipal University Jaipur)  | 11 | Univariate and Multivariate Data Analysis with SPSS  | Dr. Ashish Kumar<br>Dr. Monika Saini<br>(Manipal University Jaipur)  | 19                       | Solar Photovoltaic Systems.  | Prof. Amit Soni<br>(Manipal University Jaipur)<br>Mr. Mahipal Bukya<br>(MAHE, Bengaluru)                          |
| 4  | Fascinating world of mandala   | Dr. Nupur Ojha<br>(Manipal University Jaipur)  | 12 | Advanced Queueing Models                             | Dr. Anamika Jain<br>(Manipal University Jaipur)  | <b>List of Projects:</b> |  |   |
| 5  | Understanding Data Visualization in Data Science using Tableau/ Microsoft Power BI | Dr. Vaibhav Bhatnagar<br>Dr. Linesh Raja<br>(Manipal University Jaipur)<br>Dr. Ramesh C. Poonia<br>CHRIST (Deemed to be University), Bangalore | 13 | Introduction of Software reliability                 | Dr. Bhoopendra Pachauri<br>(Manipal University Jaipur)   | 1                        | Synthesis and Characterisation of High Performance Bioactive glass-ceramic Nano-particulates and their applications in composite bone implants | Dr. Vijay Shankar Kumawat<br>(Manipal University Jaipur)  |
| 6  | Demystifying Indian Culture Through its Cuisines                                   | Dr. Gaurav Bhattacharya<br>(Manipal University Jaipur)   | 14 | Gemology   | Ms Sonali Sharma<br>(Manipal University Jaipur)  | 2                        | Cyber security for Cloud, Fog and Edge Technologies  | Prof. Dinesh kumar saimi<br>(Manipal University Jaipur)   |
| 7  | Robotic Process Automation in Business   | Dr R K Tailor<br>(Manipal University Jaipur)   | 15 | Sustainable Product Development                      | Dr. Avanish Singh Chauhan<br>Dr. Ashish Sharma<br>Dr. Ashu Yadav<br>(Manipal University Jaipur)              | 3                        | Design Thinking & Product Design   | Ar. Sneh Singh<br>Ar. Akshita Joshi<br>Ar. Ketaki Darp<br>(Manipal University Jaipur)                             |
| 8  | Earthonomics   | Dr. Shilpi Gupta<br>Dr. Thakur Dev Pandey<br>(Manipal University Jaipur)   | 16 | Advanced Functional Materials for Energy Engineering | Dr. Ravi Kumar Sharma<br>(Manipal University Jaipur)<br>Dr. Mohammad Khalid<br>(Sunway University, Malaysia) | 4                        | Optimization of Machining Parameters on EDM  | Dr Ashok Kumar Sharma<br>(Manipal University Jaipur)  |
|    |  |  |    |  |  | 5                        | Performance, Emission and Combustion Characteristics of Diesel Engine Operated with Waste Cooking - Pongamia Oil Biodiesel Blends              | Dr. Rahul Goyal<br>(Manipal University Jaipur)  |

**Summer School Attractions:**

Explore tours (Jaipur City, Taj Mahal, Fatehpur Sikri) Tour on subsidized payment basis  
Accommodation (Twin sharing) Welcome Lunch/Dinner

\* Schedule may change, in case of any unforeseen circumstances

