



**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

Last Date of Registration : ~~25th May 2022~~ 20th June 2022 (Extended Date)

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)

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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_ShIFe3Eq42UH7x7y4Lc6N5bR8w/viewform?usp=sf_link

[1FAIpQLScjrAeEpc_xoTuRaXLjW_ShIFe3Eq42UH7x7y4Lc6N5bR8w/viewform?usp=sf_link](https://docs.google.com/forms/d/e/1FAIpQLScjrAeEpc_xoTuRaXLjW_ShIFe3Eq42UH7x7y4Lc6N5bR8w/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 (Manipal University Jaipur)	9	Logo and collateral design	Ms. Aanchal Trehan (Manipal University Jaipur)	17	Air-Conditioning System Design	Dr. Rahul Goyal (Manipal University Jaipur) Dr Shiv Raj Dhaka (IGBC)
2	Applied calculus	Dr. Kalpana Sharma Dr Alok Bhargava Dr Ruchika Mehta (Manipal University Jaipur)	10	Introduction to Astronomical Science	Dr. Laxmi Poonia Dr. Mohd. Rizwanullah Dr. Ram Naresh Saraswat (Manipal University Jaipur)	18	Exploring Software Defined Networking using NetSim2.0	Mrs. Kuntal Gaur Dr. Lokesh Sharma (Manipal University Jaipur) Dr. Chagan Lal (TU Delft, Netherlands)
3	Introduction to Game Theory	Dr Suddhendu DasMahapatra Mr Devesh Chandra (Manipal University Jaipur)	11	Univariate and Multivariate Data Analysis with SPSS	Dr. Ashish Kumar Dr. Monika Saini (Manipal University Jaipur)	19	Solar Photovoltaic Systems.	Prof. Amit Soni (Manipal University Jaipur) Mr. Mahipal Bukya (MAHE, Bengaluru)
4	Fascinating world of mandala	Dr. Nupur Ojha (Manipal University Jaipur)	12	Advanced Queueing Models	Dr. Anamika Jain (Manipal University Jaipur)	List of Projects:		
5	Understanding Data Visualization in Data Science using Tableau/ Microsoft Power BI	Dr. Vaibhav Bhatnagar Dr. Linesh Raja (Manipal University Jaipur) Dr. Ramesh C. Poonia CHRIST (Deemed to be University), Bangalore	13	Introduction of Software reliability	Dr. Bhoopendra Pachauri (Manipal University Jaipur)			
6	Demystifying Indian Culture Through its Cuisines	Dr. Gaurav Bhattacharya (Manipal University Jaipur)	14	Gemology	Ms Sonali Sharma (Manipal University Jaipur)	2	Cyber security for Cloud, Fog and Edge Technologies	Prof. Dinesh kumar saimi (Manipal University Jaipur)
7	Robotic Process Automation in Business	Dr R K Tailor (Manipal University Jaipur)	15	Sustainable Product Development	Dr. Avanish Singh Chauhan Dr. Ashish Sharma Dr. Ashu Yadav (Manipal University Jaipur)	3	Design Thinking & Product Design	Ar. Sneh Singh Ar. Akshita Joshi Ar. Ketaki Darp (Manipal University Jaipur)
8	Earthonomics	Dr. Shilpi Gupta Dr. Thakur Dev Pandey (Manipal University Jaipur)	16	Advanced Functional Materials for Energy Engineering	Dr. Ravi Kumar Sharma (Manipal University Jaipur) Dr. Mohammad Khalid (Sunway University, Malaysia)	4	Optimization of Machining Parameters on EDM	Dr Ashok Kumar Sharma (Manipal University Jaipur)
						5	Performance, Emission and Combustion Characteristics of Diesel Engine Operated with Waste Cooking - Pongamia Oil Biodiesel Blends	Dr. Rahul Goyal (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

