

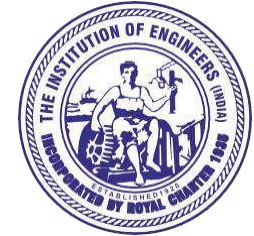


NATIONAL DESIGN AND RESEARCH FORUM (NDRF)

THE INSTITUTION OF ENGINEERS (INDIA)

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Online Internship Program - 2021

Tentative Program Schedule

10th to 23rd July 2021 @ 05:00 PM to 06:30 PM

Common topics (All Engineering Branch)					
Sl. No	Date	Topic	Speaker	Discipline	Time
1.	10 July 2021	Inaugural address: Space Technologies and Opportunities	Padmashri Dr. Mylswamy Annadurai Chairman-NDRF	All Branches	05:00 pm to 06:00 pm
2.	11 July 2021	Drone Technology, applications, future perspectives & Anti-Drone Technologies	Dr.K.Ramachandra, Former Director Gas Turbine Research Establishment (GTRE), DRDO, Bengaluru	AE/Aerospace & ME, CE, PE	05:00 pm to 06:00 pm
3.	11 July 2021	Block Chain & Internet of Things (IoT)	Dr. P. Kalpana Assistant Professor Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram	CSE, EE, EEE, ECE, ETE	05:00 pm to 06:00 pm

4.	12 July 2021	Lasers in Manufacturing	Dr. Ing. M. Duraiselvam Professor National Institute of Technology, Trichy	ME, CE, PE	05:00 pm to 06:00 pm
5.		Composite Manufacturing	Dr. Enti Ranga Reddy CEO, Enti Innovations Private Limited, Bengaluru	ME, CE, PE & AE/Aerospace	06:00 pm to 06:30 pm
6.	12 July 2021	Future Aero Space Propulsion	Shri .S. Sankaranarayanan Former Scientist 'G', Propulsion Division National Aerospace Laboratories, Bengaluru	AE/Aerospace	05:00 pm to 06:00 pm
7.	12 July 2021	e-Mobility & Hybrid Electric Vehicle	Dr. S. Seetharamu Former-Director Central Power Research Institute (CPRI) & Ms. Raja Vidya Asst Professor, RV College of Engineering	CSE, EE, EEE, ECE, ETE	05:00 pm to 06:00 pm
8.	13 July 2021	Artificial Intelligence	Dr. Latha Christie Associate Director MTRDC-DRDO, Bengaluru	All Branches	05:00 pm to 06:00 pm
9.	14 July 2021	Opportunities available in Defence Sector in India	Shri Sundaram R. MD & CEO Aerospace Engineers Pvt, Ltd, Salem	AE/Aerospace & ME, CE, PE	05:00 pm to 06:00 pm
10.		Heat Treatment & Brazing	Shri Anil Babu CEO, Thermovac Aerospace Private Limited, Bengaluru		06:00 pm to 06:30 pm

11.	14 July 2021	Wireless Sensor Networks, Geoinformatics and Civil Engineering Applications	Dr. C. J. Jagadeesha Former ISRO Scientist and Technical Advisor, NDRF	CSE, EE, EEE, ECE, ETE	05:00 pm to 06:00 pm
12.	15 July 2021	Design Thinking : Internship	Prof. J. Ramkumar Professor, Indian Institute of Technology, Kanpur	All Branches	05:00 pm to 06:00 pm
13.	16 July 2021	Materials technology Advancements & Design Challenges Posed by emerging materials and Processes.	Dr. S. Sundarajan Former-Director, National Institute of Technology, Trichy	AE/Aerospace & ME, CE, PE	05:00 pm to 06:00 pm
14.		Business Excellence Model for Aerospace Industry			Dr. Aniyam S General Manager Brahmos Aerospace Thiruvananthapuram
15.	16 July 2021	Virtual Reality (VR) and Augmented Reality (AR)	Shri. K. Kumar Managing Director Image Infotainment Limited, Chennai	CSE, EE, EEE, ECE, ETC	05:00 pm to 06:00 pm
16.	17 July 2021	Future Space Technologies	Prof. R.M.Vasagam Former Project Director, Apple Satellite, ISRO	All Branches	05:00 pm to 06:00 pm
17.	18 July 2021	Renewable Energy Technologies and Opportunities	Shri Prince Arora Scientist, Ocean Engineering Department, CSIR - NIO	ME, CE, PE	05:00 pm to 06:00 pm

18.	18 July 2021	Modern Quality Assurance for Aeronautics	Shri T.V. Kishore Chief Manager (Quality) Hindustan Aeronautics Limited	AE/Aerospace	05:00 pm to 06:00 pm
19.	18 July 2021	Small Satellites	Wg Cdr (Retd) DP Sabharwal Visiting Professor, Hindustan Aviation Academy, Bengaluru	CSE, EE, EEE, ECE, ETC	05:00 pm to 06:00 pm
20.	19 July 2021	Robotics : Applications and Opportunities	Dr. Shubhashisa Sahoo Scientist 'E', Centre for Artificial Intelligence and Robotics (CAIR) DRDO, Bengaluru	All Branches	05:00 pm to 06:00 pm
21.	20 July 2021	Smart Structures	Dr. R. Santhanam Scientist, DRDL, DRDO, Hyderabad	ME, CE, PE	05:00 pm to 06:00 pm
22.	20 July 2021	Modern Quality Concepts for Circuit branches of Engineering	Archana M S Project Consultant (UUCMS) Department of Higher Education, Govt. of Karnataka Bengaluru	CSE, EE, EEE, ECE, ETC	05:00 pm to 06:00 pm
23.	20 July 2021	Advance Manufacturing Techniques in Aero Engines	Shri Manjunath A Senior Scientist, DRDO, Bangalore	AE/ Aerospace	05:00 pm to 06:00 pm

24.	21 July 2021	Waste to Wealth Technology	Dr. Raguraman Munusamy Assistant Professor Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram	All Branches	05:00 pm to 05:45 pm
25.	21 July 2021	Additive Manufacturing : Innovative Applications	Dr. U. Chandrasekar Program Director, AddWize Wipro 3D, Bengaluru	All Branches	05:40 pm to 06:30 pm
26.	22 July 2021	Industry 5.0	Shri Anbuezhian General Manager, Caterpillar, Thiruvallur	All Branches	05:00 pm to 05:45 pm
27.		Introduction to Law & Intellectual Property Rights	Shri R. Vijaykrishna Ex-Project Manager, NDRF	All Branches	05:45 pm to 06:30 pm
28.	23 July 2021	Skill for 21 st Century	Dr. V. Dillibabu Director-NDRF	All Branches	05:00 pm to 05:30pm
29.		Valedictory Program: Atma Nirbhar, Cyborgs and the Future	Lt-Gen. (Dr.) V. J. Sundaram Former Director-DRDL & Advisor (Micro-Nano-Bio) Systems, NDRF		05:30 pm to 06:30pm