

NDRF NEWSLETTER

Vol 3 ISSUE DECEMBER 2019



NDRF Golden Jubilee Year

IE(I) Centenary Celebrations

NDRF National Space Challenge 2020

Collaborations

Internship Programs

Training Programs

NDRF Design Awards

DIRECTOR
NATIONAL DESIGN AND RESEARCH FORUM
The Institution of Engineers (India)

No.3, Dr. B.R. Ambedkar Veedhi, BANGALORE-560001

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NDRF EVENTS

NDRF Signed MoU with Wipro3D and Alliance University



From L to R: Dr. V. Dillibabu, Director, NDRF; Dr. M. Annadurai, Chairman, NDRF; Shri. Ajay Parikh, Business Head Wipro3D; Dr. U. Chandrashekar, Program Director, AddWizz, Wipro3D.

NDRF and Wipro 3D signed MoU to work jointly on Design for Additive Manufacturing (AM), Developing Industry Standards for AM parts and Sensitization and awareness on AM applications.



From R to L: Dr. V. Dillibabu, Director, NDRF; Dr. M. Annadurai, Chairman, NDRF; Anubha Singh, Acting Vice Chancellor, Alliance University; Dr. Reeba Korah, Associate Dean, Alliance College of Engineering and Design, Alliance University.

NDRF and Alliance University signed MoU to work jointly on Collaborative Research, Training Students to make them 'Industry Ready' and Training of Faculty Members.

Golden Jubilee Logo

NDRF Golden Jubilee and IE(I) Centenary National Space Challenge 2020

News



Students to get first-hand feel of satellite launches

Farheen Hussain
@timesgroup.com

Bengaluru: Children fascinated with Chandrayaan-2 mission now have the chance to try their own near-space mission and feel the adrenaline rush of watching their payloads soar into space.



NDRF organised a press meet on 30 August 2019. NDRF Golden Jubilee logo, IE(I) Centenary, National Space Challenge 2020 was announced by Dr. Mylswamy Annadurai, Chairman and Dr. V. Dillibabu, Director.

NDRF 4th Weekend Internship Program (7th to 28th September 2019)



NDRF 4th weekend internship was inaugurated by Shri. P. Jayapal, Outstanding Scientist and Former Chief Executive, CEMILAC, DRDO - 7 September 2019.

Colleague - Alliance University, Bangalore, Discipline - Aerospace Engg, Electronics & Communication Engg, Information Technology & Computer Science Engg, No of Students - 16.

NDRF One Day Certificate Course on Artificial Intelligence & Robotics



NDRF organised a One Day Certificate Course on 16 November 2019. The Course was inaugurated by Dr. K. Ramachandra, Immediate Past Director, NDRF.

Dr. Mahesh Jayachandra - Scientist IISc, Flight.Lt. A.T Kishore - CEO Vidhya Sangha Technologies and Dr. Latha Christy - Sr Scientist MTRDC-DRDO trained the delegates.

NDRF MEETING

Collaborative Research with Wipro3D



From L to R: Dr. V. Dillibabu, Director, NDRF; Dr. M. Annadurai, Chairman, NDRF; Shri. Ajay parikh, Business Head Wipro3D; Dr. U. Chandrashekar, Program Director, AddWizz, Wipro3D.



From R to L: Dr. V. Dillibabu, Director, NDRF; Shri. Ajay parikh, Business Head Wipro3D; Prof. M. K. Surappa, Vice Chancellor, Anna University; Dr. U. Chandrashekar, Program.

Dr. V. Dillibabu, Dr. M. Annadurai met with senior representatives of Wipro3D, Bengaluru to discuss on collaborative research.

Collaborative Research with VIT University, Vellore



NDRF and VIT University jointly hosted the Future Scientist Competition on 19 November 2019. A State Level Project Competition for School Students was also conducted. Hydrogen powered based 2 wheeler Project chosen for further research. Dr. Mylswamy Annadurai and Dr. V. Dillibabu attended the events.

Collaborative Research with Anna University



Dr. Mylswamy Annadurai and Dr. V. Dillibabu visited Anna University on 16 October 2019 and had discussions with Vice Chancellor & Heads of Research Centres on Collaborative Research Activities for UAV, Additive Manufacturing and Joint Training Programs.

Collaborative Research With IITDM, Kancheepuram



Dr. Mylswamy Annadurai, Chairman & Dr. V. Dillibabu, Director visited IITDM, Kanchipuram on 5 December 2019.

Areas of Collaborative Research discussions were discussed with Director & Faculty Members.

NDRF visit to Reva University



Dr. V. Dillibabu Director NDRF visited Incubation Centre of Reva University, Bangalore on 29 November 2019 for collaborative research.



NDRF and MHRD GOI are jointly organizing the Indian Technology Innovation & Entrepreneurship Conclave -2020 (I-TEC) at Bangalore during 4-5 January 2020.

NDRF invited Nominations for the Awards :

- National Design Award
- Mechanical Engineering Design Award
- Architectural Engineering Award
- Environmental Engineering Design Award
- Mining Engineering Design Award
- Prestressed Concrete Design Award
- Suman Sharma Award

Nominations received were Screened.

Awards will be presented at the Indian Engineering Congress on 27 December 2019 at Hyderabad by Juries.

50th All India Student Design Competition



NDRF has conducted at the 50th All India Student Design Competition-2019. The Awards were distributed at the 27th IEI Convocation and Technicians' / Students' Convention held at The Institution of Engineers (India), Rajasthan State Centre, Jaipur, during 9-10 November 2019. Hon'ble Minister for Technical Education, Rajasthan, graced the event as Chief Guest.

NDRF - Upcoming Events



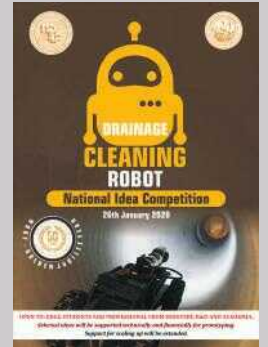
National Space Challenge 2020 is being conducted to celebrate NDRF Golden Jubilee & IE(I) Centenary Year, the contest is open for Students from 8th to 12th standard. 255 entries have been received from various States 12 teams have been finalized. Technical support will be extended By NDRF & SKI. Satellite launch is scheduled on 19 January 2020



One Day Certificate Course on Quality Concepts



One Day Workshop on Additive Manufacturing



National Idea Competition

BOOKS - Catalogue

<p>Monograph on 3D Printing Author: Dr. S. Chandrasekhar, R. Prasad This monograph will provide the reader with an insight into the various applications of 3D printing in the field of manufacturing, medicine, architecture, etc. It covers the history, current status, and future prospects of this technology. It also discusses the various materials used in 3D printing and the various processes involved in this technology.</p> <p>Price: Rs. 100/- No. of Pages: 10</p>	<p>Monograph on Nanosensor Technology and Technological Revolution Author: Prof. S. Chandrasekhar This monograph deals with the development of new materials for nanosensor applications such as smart sensors, smart structures, smart systems, etc. It covers the history, current status, and future prospects of this technology. It also discusses the various materials used in nanosensor technology and the various processes involved in this technology.</p> <p>Price: Rs. 200/- No. of Pages: 82</p>	<p>Monograph on Biomaterials Author: Dr. S. Chandrasekhar This monograph covers the history of biomaterials and its applications in various fields such as medicine, dentistry, etc. It covers the history, current status, and future prospects of this technology. It also discusses the various materials used in biomaterials and the various processes involved in this technology.</p> <p>Price: Rs. 150/- No. of Pages: 30</p>	<p>Monograph on Smart Networks for Air Pollution Author: Dr. S. Chandrasekhar This monograph is a network with various smart networks for air pollution. It covers the history, current status, and future prospects of this technology. It also discusses the various materials used in smart networks and the various processes involved in this technology.</p> <p>Price: Rs. 150/- No. of Pages: 124</p>	<p>Monograph on Micro Air Vehicles Author: Dr. S. Chandrasekhar This monograph covers the history of micro air vehicles and its applications in various fields such as military, medicine, etc. It covers the history, current status, and future prospects of this technology. It also discusses the various materials used in micro air vehicles and the various processes involved in this technology.</p> <p>Price: Rs. 150/- No. of Pages: 124</p>	<p>Book on Bio-Aerodynamics of Avian Flight Author: Prof. N. S. Chandra This book focuses on the study of the aerodynamics of avian flight. It covers the history, current status, and future prospects of this technology. It also discusses the various materials used in bio-aerodynamics and the various processes involved in this technology.</p> <p>Price: Rs. 150/- No. of Pages: 124</p>	<p>Book on Bio-Dynamics of Avian Flight Author: Dr. S. Chandrasekhar This book focuses on the study of the bio-dynamics of avian flight. It covers the history, current status, and future prospects of this technology. It also discusses the various materials used in bio-dynamics and the various processes involved in this technology.</p> <p>Price: Rs. 150/- No. of Pages: 124</p>	<p>Book on Smart Structures for Design & Development Author: Dr. S. Chandrasekhar This book focuses on the study of smart structures for design and development. It covers the history, current status, and future prospects of this technology. It also discusses the various materials used in smart structures and the various processes involved in this technology.</p> <p>Price: Rs. 150/- No. of Pages: 124</p>
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