

S. No	CCE ID	GIAN Course Title	International Faculty	Host Faculty	Co-Host Faculty	Department	Durarion of the Course	No. of Weeks	No.of Participants
1	CCE/GIAN/01/NRB/ME/17-18	Data Science For Smart Manufacturing	Dr. Satish T.S. Bukkapatnam, Texas A&M University, Texas	Prof. N. Ramesh Babu		Mechanical Engineering	15- 26th May, 2017	2	27
2	CCE/GIAN/02/SR/ME/17-18	Robot Motion Planning	Dr.Sudhakar Pamarti, University of California, Los Angeles, USA	Prof. Sourav Rakshit		Mechanical Engineering	31st July, 2017 to 4th August, 2017	1	40
3	CCE/GIAN/03/AKB/MA/17-18	Fractal Geometry: Foundations To Frontiers	PD Dr. Peter Massopust, Technische Universit?t M?nchen, Germany	Prof. Arya Kumar Bedabrata Chand		Mathematics	14 – 31 August, 2017	2	39
4	CCE/GIAN/04/VR/ME/17-18	Combustion In Engines	Prof. Malcolm Lawes, University of Leeds United Kingdom	Prof. V. Raghavan		Mechanical Engineering	4 – 11 September, 2017	1	22
5	CCE/GIAN/05/AP/AM/17-18	Large Eddy Simulation Of Turbulence: Fundamentals And Applications	Prof. Olivier Metais, Grenoble Institute of Technology France	Prof. K. Arul Prakash		Applied Mechanics	09th - 13th April, 2018	1	36
6	CCE/GIAN/06/GDJ/MM E/17-18	Welding Metallurgy And Weldability Of Non-Ferrous Alloys	PD Dr. Peter Massopust, Technische Universit?t M?nchen, Germany	Prof. G.D. Janaki Ram		Metallurgical and Materials Engineering	11 - 15 December, 2017	1	113

7	CCE/GIAN/07/GDJ/MM E/17-18	Welding Metallurgy And Weldability Of Steels And Stainless Steels	Prof Leijun Li, University of Alberta Canada	Prof. G.D. Janaki Ram		Metallurgical and Materials Engineering	11 - 15 December, 2017	1	103
8	CCE/GIAN/08/MPM/ME /17-18	Refrigeration Technology With Natural Working Fluids, Specialisation On R744 (Co2)	Prof Armin HAFNER, Norwegian University of Science and Technology Norway	Prof. M.P. Maiya		Mechanical Engineering	9 - 13 October, 2017	1	25
9	CCE/GIAN/09/SFA/AM/ 17-18	Analysis And Design Of Piezoelectric Vibration Energy Harvesters	Prof Sondipon Adhikari, Swansea University United Kingdom	Prof. Shaikh Faruque Ali		Applied Mechanics	30th October, 2017 to 3rd November, 2017	1	33
10	CCE/GIAN/10/AVR/CE/1 7-18	Pavement Preservation And Environmental Impact Assessment Of Recycled Materials In Pavement Management	Prof. Serji Amirkanian, University of Alabama	Prof. A. Veeraragavan		Civil Engineering	04 - 09 December, 2017	1	44
11	CCE/GIAN/11/AKB/MA/ 17-18	From Subdivision To Wavelets And Fractals	Prof David Levin, Tel-Aviv University Israel	Prof. Arya Kumar Bedabrata Chand		Mathematics	11 – 17 December, 2017	1	53
12	CCE/GIAN/12/RU/MA/1 7-18	Instability Methods In Hydrodynamics	Prof Matthew Juniper, University of Cambridge United Kingdom	Prof. R.USHA		Mathematics	18 – 22 December, 2017	1	61

13	CCE/GIAN/13/ADG/EE/17-18	Coupling-Matrix Design Of Advanced Rf/Microwave Filters	Prof Dimitrios Peroulis, Purdue University United States of America	Prof. Amitava DasGupta		Electrical Engineering	11 – 16 December, 2017	1	30
14	CCE/GIAN/14/GR/AE/17-18	Shockwave Reflection Phenomena	Prof Gabi Ben-Dor, Ben-Gurion University of the Negev, Beer Sheva Israel	Prof. G Rajesh		Aerospace Engineering	1 – 12 January, 2018	2	24
15	CCE/GIAN/15/RVP/ME/17-18	Nonlinear Fracture Mechanics And Applications Structural Integrity Assessment	Prof Ashok Saxena, Provost and Vice Chancellor for Academic Affairs, University of Arkansas Fayetteville, AR 72701, USA, United States of America	Prof. Raghu V Prakash		Mechanical Engineering	6 – 11 December, 2017	1	24
16	CCE/GIAN/16/PR&RAB/ME/17-18	Continuum Mechanics Of Dislocations Leading To Plasticity	Prof Amit Acharya, Carnegie Mellon University United States of America	Prof. Parag Ravindran	Prof. Ratna Kumar Annabatula	Mechanical Engineering	18 – 29 December, 2017	2	30
17	CCE/GIAN/17/MM/CSE/17-18	Emerging Computational Devices, Architectures And Computational Models	Prof Vijaykrishnan Narayanan, Universite? de Sherbrooke Canada	Prof. Madhu Mutyam		Computer Science and Engineering	11 - 15 December, 2017	1	23

18	CCE/GIAN/18/KCS/MA/17-18	Matrices With Positive Principal Minors: Theory And Applications	Michael John Tsatsomeros, Washington State University United States of America	Prof. K.C. Sivakumar		Mathematics	18 – 22 December, 2017	1	28
19	CCE/GIAN/19/NN/BT/17-18	Minors And Homomorphism: Correlation	Dr Reza Naserasr, Institut de Recherche en Informatique Fondamentale France	Prof. Narayanan N		Bio Technology	20th January, 2018 - 02nd February, 2018	2	22
20	CCE/GIAN/20/PKS/EE/17-18	Quantum Error Correction And Its Relations To Statistical Physics	Prof David Poulin, Universite? de Sherbrooke Canada	Prof. Pradeep Kiran Sarvepalli		Electrical Engineering	22 - 26 January, 2018	1	34
21	CCE/GIAN/21/RR/MA/17-18	Mathematical Foundations Of Signal Analysis (A Fresh Look At Harmonic Analysis)	Hans G Feichtinger, University of Vienna Austria	Prof. R.Radha		Mathematics	08 – 20 January, 2018	2	27
22	CCE/GIAN/22/NKS/CH/17-18	Model Predictive Control: Theory And Applications	Prof. Jay H Lee, Korea Advanced Institute of Science and Technology (KAIST) Korea South	Prof. Niket S Kaisare		Chemical Engineering	29 January - 02 February, 2018	1	24
23	CCE/GIAN/23/RVP/ME/17-18	Innovative Digital Tools Enabled Product Design	Prof Monica Bordegoni, Politecnico di Milano Italy	Prof. Raghu V Prakash		Mechanical Engineering	5th Feb, 2018 to 09th Feb, 2018	1	22

24	CCE/GIAN/24/SS/MA/17-18	Advanced Mathematical Methods For Real Data Analysis: From Partial Differential Equations Approach To Time Series Modelling	Prof. Agnieszka Wylomanska, Chair of Applied Mathematics, Poland	Prof. S. Sundar		Mathematics	05 - 10 March, 2018	1	34
25	CCE/GIAN/25/BN/CE/17-18	Weather Radar And Hydrology	Prof V Chandrasekar, Colorado State University, USA	Prof. Balaji Narasimhan		Civil Engineering	05 - 17 March, 2018	2	27