### **Chemical Engineering Department**

	8:45 to 9:30	9:30 to 11:30	12:00 to 13:00	13:00 to	14:00 to 16:00	16:00 - 16:15	16:15-18:15
Day 1 21/11/ 19	Registratio n and Break fast NIM Lawn	Inaugural Function And Key Note Address NIM-Auditorium	Common Invited Lecture-I Dr. Javed Hashemi C-Auditorium	14:00 Lunch K block	Panel Discussion – I Industry 4.0: The way Forward  C- Auditorium	Tea	Technical Session-I Paper ID: 26, 73, 93, 114, 158, 179, 184 Room No. D-301 Session Chair: Dr J P Ruparelia
	8:45 to 9:30	9:30 to 11:30	11.15 to 13:00	13:00 to 14:00	14:00 to 16:00	16:00 - 16:15	Dr S S Patel
Day 2 22/11/ 19	Breakfast K block	Common Invited Lecture-II by Shri D.P. Agrawal A-101	Expert Lecture:     "Spacecraft Payload Thermal Control: Current     Trends and     Futuristic Developments"     by     V.K. Singh     Thermal Engineering Division Space Applications Centre Ahmedabad A 108	Lunch K block	Panel Discussion  - II Building Skill for Sustainable Developme nt: Role of Educational Institute  C- Auditorium	Tea	

### **Civil Engineering Department**

	8:45 to	9:30 to	12:00 to 13:00	13:00	14:00 to 16:00	16:00 -	16:15-18:15
Time	9:30	11:30		to		16:15	
				14:00			
	Registrat	Inaugural	Common Invited	Lunch	Panel Discussion-	Tea	Technical Session-I
	ion and	Function	Lecture-I		I Industry 4.0:		(Track-I)
	Break	and	Dr. Javed Hashemi	K	The way Forward		Room No. D309
	fast	Keynote		block			(Paper ID - 12, 32, 37,
		Address	C-Auditorium		C-Auditorium		107, 109, 172)
	NIM						Session Chair: Dr
Day 1	Lawn	NIM					Sharadkumar P
21/11/10		Auditorium					Purohit
21/11/19							Technical Session-I
							(Track-II)
							Room No. D310
							(Paper ID $-25, 42,$
							45, 47, 65, 77)
							Session Chair: Dr
							Urmil V Dave

Time	08:45 - 14.00	14:00 - 16:00	16:00 -	16:15 - 18:15
			16:15	
	National Seminar on "Technological Advances	Panel Discussion-II	Tea	Technical Session-
	in Concrete Technology and Professional	Building Skill for		II
Day 2	Practices" by Civil Engineering Department,	Sustainable		Room No. D309
22/11/19	School of Engineering, Nirma University in	Development: Role of		(Paper ID - 102,
22/11/19	collaboration with Nuvoco Vistas Corp. Ltd.	Educational Institute		125, 144, 150, 166)
	_			Session Chair: Dr
	C-Auditorium.	C-Auditorium		Paresh V Patel

# Expert talks Topic: Technological Advances in Concrete Technology and Professional Practices

Venue: C-Auditorium. Date: 22/11/19

Time	Details	Name of Expert	Organization	Tentative Topic					
08:45 - 09:30		Registration and High Tea							
09:30 - 09:45		Inauguration							
09:45 - 10:40	Session - I	Dr. R. K. Pillai, Associate Professor, BTCM Division, Department of Civil Engineering	Indian Institute of Technology Madras.	Strategies to Prevent and Control Corrosion in Concrete Structures					
10:40 - 11:35	Session - II	Mr. Ashitkumar Shah, Cut and Cover Station and Tunnel Expert,	Japan International Consultants for Transportation, Nippon Koei &	Concrete Structure Design and Sustainability of the Project Life Cycle.					

		JICA Study Team, Mumbai - Ahmedabad High-Speed Rail.	Oriental Consultants Global.	
11:35 – 11:55		Break	K	
11:55 - 12:50	Session - III	Mr. Manish Mokal, Assistant General Manager – Quality Excellence Cell	Afcons Infrastructure Limited, Mumbai.	Case Studies in Extreme Engineering and Construction.
12:50- 13:30	Session - IV	Dr. Rishi Gupta, Associate Professor, Department of Civil Engineering.	University of Victoria, British Columbia, Canada.	Recent developments in use of drones/UAVs in monitoring Civil infrastructure
13:30 - 14:00	Session - V	Mr. Pranav Desai, Vice President- R&D, Head - Construction Development & Innovation Centre	Nuvoco Vistas Corp. Ltd. Mumbai.	Nuvoco : Innovative Products & Solutions

### **Computer Science and Engineering**

	8:45 to 9:30	9:30 to 11:30	12:00 to 13:00	13:00 to 14:00	14:00 to 16:00	16:00 - 16:15	16:15- 18:15
Day 1 21/11/ 19	Registratio n & Breakfast NIM Lawn	Inaugural Function And Key Note Address NIM- Auditorium	Common Invited Lecture-I Dr. Abhijit Pandya NIM-Auditorium	Lunch K block	Panel Discussion – I Industry 4.0: The way Forward C- Auditorium	Tea	Technical Session-I Paper ID: 35,112,11 7,118 Room No. D304 Session Chair: Dr Sanjay Garg
	8:45 to 9:30	9:30 to 11:30	11.15 to 13:00	13:00 to 14:00	14:00 to 16:00	16:00 - 16:15	
Day 2 22/11/ 19	Break fast  K block	Common Invited Lecture-II by Shri D.P.Agrawal A-101	Expert Lecture:     "Cognitive     Intelligence:     Challenges and     Opportunities" by     Dr. Deepak Garg     Prof and Head,     Computer Science     Engineering     Department     Bennett     University, Noida     B-101	Lunch K block	Panel Discussion  - II Building Skill for Sustainable Developme nt: Role of Educational Institute C- Auditorium	Tea	

### **Electrical Engineering Department**

	8:45 to 9:30	9:30 to 11:30	12:00 to	13:00	14:00 to	16:00	16:15-
			13:00	to	16:00	-	18:15
				14:00		16:15	
Day 1:	Registration	Inaugural	Common	Lunch	Panel	Tea	Technical
21.11.19	& Breakfast	Function	Invited	K	Discussion		Session-I
21.11.19		And	Lecture-I	block	-I		Paper ID
	NIM Lawn	Key Note	Dr. Javed		Industry		(69, 84,
		Address	Hashemi		4.0: The		105, 127,
		NIM-	C-		way		132, 159,
		Auditorium	Auditorium		forward		163)
					C-		D-305
					Auditorium		Session
							Chair: Dr
							S C Vora
	8:45 to 9:30	9:30 to 11:30	11.15 to	13:00	14:00 to	16:00	
			13:00	to	16:00	-	
				14:00		16:15	
Day 2:	Break fast	Common	Expert	Lunch	Panel	Tea	
22.11.19	K block	Invited	Lecture	K	Discussion		
		Lecture-II by	Topic: CC-	block	- I		
		Shri	Link IE		Building		
		D.P.Agrawal	TSN		Skill for		
		A-101	Speaker:		Sustainable		
			Mr. Vipul		Developme nt: Role of		
			Gupta, Sr Manager		Educationa		
			Mitsubishi		1 Institute		
			Electric		C-		
			India		Auditorium		
			A-101		Zuditorium		
			11-101				
		l .					

### **Electronics and Communication Engineering**

	8:45 to 9:30	9:30 to 11:30	12:00 to 13:00	13:00 to 14:00	14:00 to 16:00	16:0 0 - 16:1 5	16:15-18:15
Day 1 21/11/ 19	Registratio n & Breakfast NIM Lawn	Inaugural Function And Key Note Address NIM- Auditorium	Common Invited Lecture-I Dr. Abhijit Pandya NIM-Auditorium	Lunch K block	Panel Discussion – I Industry 4.0: The way Forward C- Auditorium	Tea	Technical Session-I Session chair: Paper ID: 28, 67, 92,101, 139, 152 Room No. D311 Session Chair: Dr Dilip Kothari
	8:45 to 9:30	9:30 to 11:30	11.15 to 13:00	13:00 to 14:00	14:00 to 16:00	16:0 0 - 16:1 5	
Day 2 22/11/ 19	Break fast  K block	Common Invited Lecture-II by Shri D.P.Agrawal A-101	Expert Lecture  Topic: CC-Link IE TSN  Speaker:  Mr. Vipul Gupta, Sr Manager Mitsubishi Electric India  A-101	Lunch K block	Panel Discussion  - II Building Skill for Sustainable Developme nt: Role of Educational Institute C- Auditorium	Tea	

## **Instrumentation and Control Engineering**

	8:45 to 9:30	9:30 to 11:30	12:00 to 13:00	13:00 to 14:00	14:00 to 16:00	16:0 0 - 16:1 5	16:15-18:15
Day 1 21/11/ 19	Registratio n & Breakfast NIM Lawn	Inaugural Function And Key Note Address NIM-Auditorium	Common Invited Lecture-I Dr. Abhijit Pandya NIM-Auditorium	Lunch K block	Panel Discussion – I Industry 4.0: The way Forward C- Auditorium	Tea	Technical Session-I Session chair: Paper ID: 95, 140, 161 Room No. D308 Session Chair: Dr Dipak Adhyaru
	8:45 to 9:30	9:30 to 11:30	11.15 to 13:00	13:00 to 14:00	14:00 to 16:00	16:0 0 - 16:1 5	
Day 2 22/11/ 19	Break fast  K block	Common Invited Lecture-II by Shri D.P.Agrawal A-101	Expert Lecture  Topic: CC-Link IE TSN  Speaker:  Mr. Vipul Gupta, Sr Manager Mitsubishi Electric India  A-101	Lunch K block	Panel Discussion  - II Building Skill for Sustainable Developme nt: Role of Educational Institute C- Auditorium	Tea	

### **Mechanical Engineering Department**

	8:45 to 9:30	9:30 to 11:30	12:00 to 13:00	13:00 to 14:00	14:00 to 16:00	16:0 0 - 16:1 5	16:15-18:15
Day 1 21/11/19	Registratio n & Breakfast NIM Lawn	Inaugural Function And Key Note Address NIM-Auditorium	Common Invited Lecture-I Dr. Javed Hashemi C-Auditorium	Lunch K block	Panel Discussion – I Industry 4.0: The way Forward C- Auditorium	Tea	Technical Session-I Paper ID: 70, 41, 106, 86, 87, 23, 113, 57, 133, 121 Room No. D302 Session chair: Dr. S J Joshi
	8:45 to 9:30	9:30 to 11:30	11.15 to 13:00	13:00 to 14:00	14:00 to 16:00	16:0 0 - 16:1 5	16:15-18:15
Day 2 22/11/ 19	Break fast  K block	Common Invited Lecture-II by Shri D.P.Agrawal A-101	Expert Lecture:     "Spacecraft Payload Thermal Control: Current     Trends and     Futuristic Developments"     by     V.K. Singh     Thermal Engineering Division Space Applications Centre Ahmedabad A-108	Lunch K block	Panel Discussion  — II Building Skill for Sustainable Developme nt: Role of Educational Institute C- Auditorium	Tea	Technical Session-II Paper ID: 62, 4, 38, 49, 71, 76, 80, 119, 124, 52 Room No. D302 Session chair: Dr. B A Modi