



Online Faculty Development Program

on

2D Graphics for Scientific Report (2DGSR-2020)

July 27-31, 2020

Under TEQIP - III (Twinning Program)



Sant Longowal Institute of Engineering & Technology

(Deemed to be University, under MHRD, Government of India)

Longowal, Sangrur (Punjab) - 148 106, India,

www.sliet.ac.in

in association with

National Institute of Technology, Uttarakhand, Srinagar

(Garhwal), Uttarakhand – 246174, India.

Coordinators

Dr. Sunil Kumar, Mechanical Engineering, SLIET Longowal

Mr. Surinder Kumar, Mechanical Engineering, SLIET Longowal

Dr. Pawan Kumar Rakesh, Mechanical Engineering, NIT Uttarakhand

Introduction:

2D graphic plays a vital role in the scientific reports as it captures the attention of readers. The visuals help to augment written ideas and simplify complicated textual descriptions. It can help to understand a complicated process or visualize trends in the data. The FDP gives the interaction with various tools used to develop the 2D diagrams, graphs and other data representation techniques. The program also aims to give practical exposure to the mentioned graphic tools. This program helps to prepare more interactive scientific/research reports in future.

Objectives:

The main objective of the course is to enable the participants to the state-of-art technology in 2D graphics further enabling them to take up a challenging assignment in future and spread the learning to the peers and creating a professional environment. Interdisciplinary in nature, the course will enrich participants with necessary inputs in all the areas, theoretical as well as practical knowledge.

Contents:

The FDP is focused on discussing various aspects of 2D graphics. Relevant topics that will be covered in this programme include:

- AutoCAD
- Microsoft excels
- Origin

- Power point
- E-draw
- Microsoft Visio

- Last date for registration : **July 15, 2020**
- Finalization of a list of selected participants : **July 20, 2020**

Resource Persons:

Expert faculty members of SLIET Longowal and NIT Uttarakhand will conduct the theory and practical sessions of the online programme.

Who can participate?

Faculty members, research scholars, belonging to Engineering & Applied Sciences disciplines from AICTE recognized Colleges and Universities, and Industry professional may register in the programme.

How to Apply:

The interested persons from academia and Industry professional are required to register themselves on or before July 15, 2020, through google form link:

https://docs.google.com/forms/d/e/1FAIpQLSdpak2e3npuySofkOj63pvsuYQYx_PHZ1-8Y25BnsgH-bPA/viewform?vc=0&c=0&w=1

Course fee/Registration Fee

No registration fee will be charged from the participants.

Important Dates:

Organizing Committee

Patrons: Prof. S. K. Jain, Director, SLIET Longowal

Prof. Shyam Lal Soni, Director, NIT Uttarakhand

Chairman: Prof. Rajesh Kumar, HOD (ME), SLIET Longowal

Coordinators: Dr. Sunil Kumar, SLIET Longowal

Mr. Surinder Kumar, SLIET Longowal

Dr. Pawan Kumar Rakesh, NIT Uttarakhand



Contact us:

Dr. Sunil Kumar

Mobile: +91 9855288502

Mr. Surinder Kumar

Mobile: +91 9815749166

Dr. Pawan Kumar Rakesh

Mobile: +91 9719411569

E-mail: 2dgsrfdp@gmail.com

Report of 2DGSR-2020 FDP Conducted Under TEOIP-III

1. Name of the Department : Mechanical Engineering Department
2. Title of Programme : **2D Graphics for Scientific Reporting (2DGSR-2020)**
3. Name of Coordinator : **Dr. Sunil Kumar (SLIET), Mr. Surinder Kumar (SLIET) and Dr. Pawan Kumar Rakesh (NIT Uttarakhand)**
4. Duration (Dates) : 27-31 July, 2020
5. Details of the topics covered by the Experts/Keynote Speakers:

S.No.	Name and Designation	Affiliation/Email/Mobile	Topic of Lecture(s)	No. of Lectures
1	Dr. Sunil Kumar	SLIET	Introduction to CAD	5 (7 Hrs., 30 min)
			Entities in 2D graphics	
			AutoCAD Interface	
			AutoCAD (Tool Commands)	
			AutoCAD (Dimensioning)	
2	Mr. Surinder Kumar	SLIET	Introduction to Origin Graphs using excel	3 (4 Hrs.)
3	Dr. Pawan Kumar Rakesh	NIT Uttarakhand	Basics of Microsoft word PowerPoint for line diagram Introduction E-draw	3 (4 Hrs., 30 min)
4	Mr. Anshul Varssney (Research Scholar)	IIT, Delhi	Microsoft Visio	2 (3 Hrs., 30 min)

6. No. of participants: 104

7. Summary of the feedback taken from the participants:

Overall all the participants were happy with the conduction of FDP in this area and appreciates the effort of organizing team. Few suggestions from the participants are-

- Some of the participants suggested conducting more such STTPs.
- Inclusion of more practical contents and hands on training
- One of the participants suggested having 2 weeks training programme to cover all topics.

8. Outcome of the program based on brainstorming session:
the participants

- Learnt about the fundamentals of different tools for 2 D drawing.
- Learnt to use efficiently the software like AutoCAD, Microsoft Visio, MS Office, Origin.
- Got aware of graphs and line diagrams for Scientific Reporting.
- The interactive sessions also helped the participants to discuss their problems with the experts.



2D Graphics for Scientific Reporting

(27-31 July 2020)

FDP

Jointly organized by
SLIET Longowal & NIT Uttarakhand

Under

TEQIP III (Twinning Program)

MHRD, Govt. of India

(Tentative Schedule)

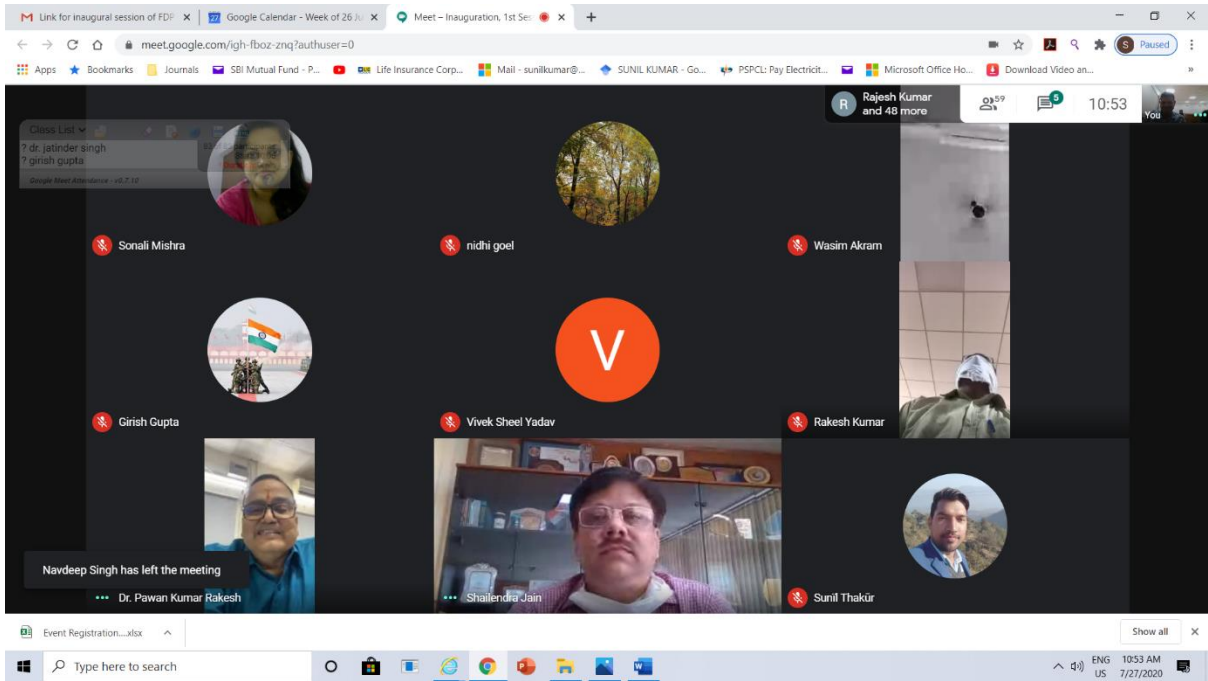


DATE/TIME	10:00-11:00 am	11:00-11:30 am	11:30-1:00 pm	1:00-3:00 pm	3:00 pm -5:00 pm
27.07.2020 Monday	Registration/ Inauguration	Break	Introduction to CAD (Dr. Sunil Kumar)	Break	Auto CAD Interface (Dr. Sunil Kumar)
28.07.2020 Tuesday	Entities in 2D graphics (Dr. Sunil Kumar)	Break	Basics of Microsoft word (Dr. Pawan Kumar Rakesh)	Break	AutoCAD (Tool commands) (Dr. Sunil Kumar)
29.07.2020 Wednesday	Power Point for line diagram (Dr. Pawan Kumar Rakesh)	Break	AutoCAD - (Tool commands) (Dr. Sunil Kumar)	Break	Introduction to Origin (Mr. Surinder Kumar)
30.07.2020 Thursday	Graphs using excel (Mr. Surinder Kumar)	Break	Microsoft Visio (Mr. Anshul Varsney)	Break	Introduction to E-draw (Dr. Pawan Kumar Rakesh)
31.07.2020 Friday	Graphs using excel (Mr. Surinder Kumar)	Break	AutoCAD - Dimensioning (Dr. Sunil Kumar)	Break	Valedictory

List of Participants of 2DGSR-2020

	Name	Organization	Email
1	Abhilash T. Nair	National Institute of Foundry and Forge Technology, Ranchi	nairabhilasht@gmail.com
2	ABHIMANYU MANDAL	GOVERNMENT ENGINEERING COLLEGE, JAGDALPUR	mandal.abhimanyu225@gmail.com
3	Akhil Dhiman	MRSPTU, BATHINDA	ad459140@gmail.com
4	AMIT GROVER	SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR	amitgrover321@gmail.com
5	AMIT RAIKWAR	Institute of Engineering and Technology, Lucknow	1705231009@ietlucknow.ac.in
6	ANAND KUMAR YADAV	Inderprastha Engineering College, Ghaziabad	1703040011@jpec.org.in
7	Ankit Gupta	Shiv Nadar University, Noida	erankit04@gmail.com
8	Ankit Kumar	Sant Longowal Institute of Engineering and Technology, Longowal	ankitkumarmittal007@gmail.com
9	ANMOL SINGH VERMA	Sant Longowal Institute of Engineering and Technology, Longowal	anmolrajput802@gmail.com
10	Anuj Bansal	Sant Longowal Institute of Engineering and Technology, Longowal	anujbansalsliet@gmail.com
11	ANUSHKA PANDEY	Institute of Engineering and Technology, Lucknow	anushkapandey7070@gmail.com
12	Archana Chaudhary	J D V M P G COLLEGE, KANPUR	archanachau11@gmail.com
13	ARPITA KUMARI	Institute of Engineering and Technology, Lucknow	arpitashastris294@gmail.com
14	Ashutosh Sharma	GLA UNIVERSITY, MATHURA	dreamrider03@gmail.com
15	Ayush Rai	Sant Longowal Institute of Engineering and Technology, Longowal	ayushrai7666@gmail.com
16	B.Brucelee	Thiagarajar College of Engineering, Madurai	bbmech@tce.edu
17	Chetan Vasudeva	DAV University, Jalandhar	chetan.vasudeva@gmail.com
18	Deepti Jaiswal	Indira Gandhi Delhi Technical University For Women, Delhi	deeptijaiswal2007@gmail.com
19	DENVAR PRAVIN JOY.T	LOURDES MOUNT COLLEGE OF ENGINEERING AND TECHNOLOGY	denvarpravinjoy@gmail.com
20	Dimple Rani	Sant Longowal Institute of Engineering and Technology, Longowal	chawla23dimple@gmail.com
21	DIVESH BHARTI	Sant Longowal Institute of Engineering and Technology, Longowal	diveshbharti13@gmail.com
22	GAYASUDDIN DANISH	Govt Polytechnic Navipet, Nizamabad	gayasuddindanish@gmail.com
23	Girish Gupta	Dr. S. S. Bhatnagar U. I. C. E. T. Panjab University, Chandigarh	girishgupta252@gmail.com
24	GUNANITHI M	Swami Dayananda College of Arts & Science, Manjakkudi	mgunanithi31@gmail.com
25	Gurmeet Singh	Sant Longowal Institute of Engineering and Technology, Longowal	ergurmeet96@gmail.com
26	H VIGNESH BABU	National Institute of Foundry and Forge Technology (NIFFT), Ranchi	hvigneshbabu@gmail.com
27	Harish Kumar Arya	Sant Longowal Institute of Engineering and Technology, Longowal	arya.iitr@gmail.com
28	HARISH KUMAR BANGA	GNDEC, LUDHIANA, PUNJAB	drhkbanga@gmail.com
29	Harpreet Kaur	Government Polytechnic College, Amritsar	arorans802020@gmail.com
30	Heena	Panjab University, Chandigarh	akanksha1behl@gmail.com
31	HEMANT KUMAR	Sant Longowal Institute of Engineering and Technology, Longowal	hemantk1331@gmail.com
32	Himanshu Arora	Guru Nanak Institute of Engineering and Management, Hoshiarpur	himanshujmit@gmail.com
33	HRIITIKA MISHRA	Institute of Engineering and Technology, Lucknow	hritikamishra98@gmail.com
34	INDERJEET SINGH	GURU NANAK COLLEGE BUDHLADA(MANSA) PUNJAB	inderjeetsm@gmail.com
35	JATINDER SINGH	GURU NANAK COLLEGE BUDHLADA(MANSA) PUNJAB	dr.jatindersinghap@gmail.com
36	JAY KUMAR YADAV	Sant Longowal Institute of Engineering and Technology, Longowal	jays3810@gmail.com
37	JONNY SINGLA	Sant Longowal Institute of Engineering and Technology, Longowal	erjonnysingla@gmail.com
38	KANAKALAKSHMI C	K.R.COLLEGE OF ARTS AND SCIENCE	kanakalakshimisc@gmail.com
39	KIRTI RANJAN PANDA	Government College Of Engineering, Keonjhar	krpanda@gcekr.ac.in
40	KRATIKA YADAV	Institute of Engineering and Technology, Lucknow	1705231032@ietlucknow.ac.in
41	L. NAGA DURGAPRASAD	SRI YN COLLEGE(A)	dattu7nag@gmail.com
42	Lavepreet Singh	Galgotias University	lavepreet.singh@galgotiasuniversity.edu.in
43	Mayank Garg	Shiv Nadar University, Greater Noida	mg611@snu.edu.in
44	Mehtab Singh	Satyam Institute of Engineering and Technology, Amritsar	mehtab91singh@gmail.com
45	NADEEM AFAQUE	Sant Longowal Institute of Engineering and Technology, Longowal	nadeemafaque44@gmail.com
46	Namrata Karlupia	University of Jammu	namrataphonsa@gmail.com
47	Ayan Banik	Cooch Behar Government Engineering College	ayanbanik97@yahoo.com
48	Navdeep Singh	Amritsar College of Engineering and Technology, Amritsar	arora_navdeep@rediffmail.com
49	Neha Dhiman	GGSDS College Sector 32, Chandigarh	neha.dhi5@gmail.com
50	Nidhi Goel	Indira Gandhi Delhi Technical University For Women, Delhi	drnidhigoel2018@gmail.com
51	Nikita Gandotra	Dept. Of CS&IT, University of Jammu, Jammu	nkt.2201@gmail.com
52	Nirpinder Jain	Sant Longowal Institute of Engineering and Technology, Longowal	erjain2000@gmail.com
53	Omesh Jindal	Ohm Tutorials, Barnala	meet_omesh@yahoo.co.in
54	Palak	Guru Nanak Dev Engineering College, Ludhiana	palakgarg27693@gmail.com
55	Palvinder Singh Mann	DAV Institute of Engineering and Technology	psmaan@hotmail.com
56	Pankaj Kumar Das	Sant Longowal Institute of Engineering and Technology, Longowal	pankaj.jkd@gmail.com
57	PARDEEP SAINI	Sant Longowal Institute of Engineering and Technology, Longowal	pardeepsainisliet@gmail.com

	Name	Organization	Email
58	Pavan Kumar Vemulapalli	Shiv Nadar University, Greater Noida	pv509@snu.edu.in
59	Pooja Rani Kuri	Indian Institute of Technology, Guwahati	poojaranikuri5@gmail.com
60	PRASHANT KUMAR	CSIR-NATIONAL PHYSICAL LABORATORY, NEW DELHI	prashantkhichi92@gmail.com
61	Prem Chandra	C DOT, Delhi	prem.chaurasia@gmail.com
62	Pritam Kumar Singh	IIT ISM, Dhanbad	pritamitism29@gmail.com
63	R.SIVASANKARAN	Thiagarajar College of Engineering, Madurai	rssmech@tce.edu
64	Rahul Gupta	Thapar Institute of Engineering and Technology, Patiala	rahulsiet2008@gmail.com
65	RAJEEV KUMAR	Sant Longowal Institute of Engineering and Technology, Longowal	200rajeev@gmail.com
66	Rajesh Kumar	National Institute of Technology, Uttarakhand	rajesh.phd2020@nituk.ac.in
67	RAJESH SHARMA	S V Polytechnic College, Bhopal	gpcr.rsharma@gmail.com
68	RAJKUMAR S	Thiagarajar College of Engineering, Madurai	srmech@tce.edu
69	Rakesh Kumar	Sant Longowal Institute of Engineering and Technology, Longowal	rakeshsiet@yahoo.co.in
70	RAM SINGH	PUNJABI UNIVERSITY PATIALA	bhankharz@gmail.com
71	Ravi Prakash	College of Engineering, Roorkee, Uttarakhand	prakashravi183@gmail.com
72	RAVI S M	SRINIVAS INSTITUTE OF TECHNOLOGY	ravi.hubly@gmail.com
73	Ravinder Goyal	Gulzar Group of Institutes, Ludhiana, Punjab	ravinder.goyal@ggi.ac.in
74	Richha Sharma	University of Jammu	richha09@gmail.com
75	Rishi Kumar Gupta	Inderprastha Engineering College, Ghaziabad	arpitgupta0499@gmail.com
76	S.DEIVANAI	Pusa Institute of Technology	s.deivanai2002@gmail.com
77	Sachin Kumar	Sant Longowal Institute of Engineering and Technology, Longowal	sksllet16@gmail.com
78	Samandeep Kaur	Sant Longowal Institute of Engineering and Technology, Longowal	saman95deep@gmail.com
79	Sanjay Soni	Jabalpur Engineering college, Jabalpur	soni563@yahoo.com
80	Sarbjeet Kaushal	Gulzar Group of Institutes, Ludhiana, Punjab	sarbjeet.kaushal1988@gmail.com
81	Sarita Jha	Department Mathematics, K. B. Women's College, Hazaribag	saritajhkbw.vbu@gmail.com
82	Sarita Kumari	Amity University, Jharkhand	gs.sarita@gmail.com
83	Satyendra Kumar	ABES ENGINEERING COLLEGE, GHAZIABAD	satyendrakushingh@gmail.com
84	Shahnawaz Alam	SRM IST, Delhi NCR Campus, Modinagar, Ghaziabad	snaa92@gmail.com
85	Sharu Bansal	Sant Longowal Institute of Engineering and Technology, Longowal	bansalsharu14@gmail.com
86	Shaurya Bhatt	National Institute of Technology, Uttarakhand	shaurya.phd2020@nituk.ac.in
87	SHIVESH KUMR	GLA UNIVERSITY, MATHURA	shivesh9795@gmail.com
88	Simran Kaur	DAV University, Jalandhar	simran347@gmail.com
89	Smarita Lenka	Siksha'O'Anusandhan Deemed to be University	smlenka12@gmail.com
90	SONALI PANDA	Indira Gandhi Delhi Technical University For Women, Delhi	sonalee301@gmail.com
91	SUMA GURULINGAIAH CH	Proudhadevaraya Institute of Technology, Hospet	sumasavita@gmail.com
92	Sumit Kumar	Sant Longowal Institute of Engineering and Technology, Longowal	sumit1.in@gmail.com
93	Sunil Kumar	C T Institute of Technology, Jalandhar	sunil07734@gmail.com
94	Surinder Singh	Panjab University, Chandigarh	sonuunos@gmail.com
95	THIRUMURUHAN.S	SETHU INSTITUTE OF TECHNOLOGY	ssundaram381@gmail.com
96	Vaibhav Sharma	Shri Ram Murti Smarak College of Engineering and Technology, Bareilly	vaib.me81@gmail.com
97	Vibhor Kumar Bhardwaj	Sant Longowal Institute of Engineering and Technology, Longowal	vibhorkrbhardwaj@gmail.com
98	Vinay Kumar	Institute of Engineering and Technology, Lucknow	vinaykdz@gmail.com
99	Vindhya P S	M G College, Thiruvananthapuram	psvindhya93@gmail.com
100	VINIT KUMAR GUPTA	Apex Institute Of Engineering And Technology, Jaipur	vinitgpt@gmail.com
101	Vinod Kumar Meena	Sant Longowal Institute of Engineering and Technology, Longowal	vinodchemicalster@gmail.com
102	Vipin Kumar	AICTE, NEW DELHI	vipin.rajv4u@gmail.com
103	VIVEKSHEEL YADAV	Dev Bhoomi Institute of Technology, Dehradun	me.viveksheel@dbgidoon.ac.in
104	Damanpreet Kaur	Punjab University, Chandigarh	daman9004@gmail.com



Photograph of Inauguration of 2DGSR-2020 including