DEPARTMENT OF MECHANICAL ENGINEERING, M. M. M. UNIVERSITY OF TECHNOLOGY GORAKHPUR-273010

Short Term course on "Computational & Manufacturing Challenges in Mechanical Engineering"

Coordinator:

Dr. Jeeoot Singh

Dy. Coordinator:

Dr. Sanjay Mishra

ASSOC. PROF., MED, MMMUT GKP

Date/Duration:19th to 25th March 2018

ASSOC. PROF., MED, MMMUT GKP

SCHI	EDULE					
S. No.	Speaker Details	Presentation Title	Date	Time	# of Participants Attended	
1.	Dr. B.N.Singh, Professor, IIT Kharagpur	Mathematical modelling of composite materials	19/03/18	10-11 am	40	
2.	Dr. S.C.Panja, Professor, Jadavpur University, Kolkata	Reliability Analysis	19/03/18	12-01 pm	40	
3.	Dr. Vivek Kumar Patel, Assistant Professor, MNNIT Allahabad	i)Tackling Turbulence in Computational Fluid Dynamics (ii) Computational Analysis of Swirl flow in Gas Turbine Combustor	20/03/18	10-11 am	40	
4.	Prof. D. K. Singh, Professor, MMMUT Gorakhpur	Advanced Fine Finishing Processes	20/03/18	12-01 pm	40	
5.	Dr. Achche Lal, Assistant Prof. SVNIT, Surat	Modelling and analysis of engineering structures	21/03/18	10-11 am	40	
6.	Mohd. Zaheer Khan Yusufzai, Department of Mechanical Engineering, IIT (BHU) Varanasi	Welding Challenges in FRP material	21/03/18	12-01 pm	40 .	
7.	Dr. S.K. Srivastava, Professor, MMMUT Gorak pur	Synthetics curves form and application	22/03/18	10-11 am	40	
8.	Dr. Jeeoot Singh, Associate Professor, MMMUT Gorakhpur	Mathematical modelling of differential equation Meshfree approach to differential solution	22/03/18	12-01 pm	40	
9.	Dr.Sanjay Mishra Associate Professor, MMMUT Gorakhpur	Laser Beam Micromachining. Finite Element Modelling of Laser Drilling	23/03/18	2-3 pm	40	



10.	Dr. Rajesh Kumar O. Verma, Associate Professor, MMMUT Gorakhpur		Preliminaries for Taguchi based Multi objective optimization techniques and machining of FRP composites.	24/03/18	10-11 am	40
Dr. Laxmikant Yadav Associate Professor, MMMUT Gorakhpur		ciate Professor,	Analysis of Desiccant Dehumidification Technology	25/03/18	2-3 pm	40
Mod	е	Off-line				

VENUE: SEMINAR HALL, MECHANICAL ENGINEERING DEPARTMENT

1. Chief Guest: Hon'ble VC, MMMUT Gorakhpur-273010

SUMMARY

The Short term course on Computational & Manufacturing Challenges in Mechanical Engineering being organized by Mechanical Engineering Department of Madan Mohan Malaviya University of Technology, Gorakhpur during 4th -10th July 2016. The course consists of various topics by the experts on recent areas of development i.e. from design, manufacturing, optimization techniques, modeling and simulation, composite materials, bio materials, fracture analysis, CAD/CAM, rapid prototyping, industrial engineering etc. The content of the course well impacted on the academician from teaching institution, practicing engineers from industries and scientists from R & D organizations who have participated during the course. We acknowledge with gratitude the contribution of participants, distinguished speakers, guests, faculty members and staff of the department. Thanks are due to Hon'ble Vice Chancellor Prof. S.N. Singh and Dr. S. C. Jayswal, Head Mechanical Engineering Department for continuous encouragement and support. Sincere thanks are due to members of various organizing committees for providing help in the organization of this STC. We also thanked to several persons, who contributed in different ways to success of the short-term course. Finally, we acknowledge the financial support received from TEQIP-III for holding the short-term course.





ORGANISING COMMITTEE

Patron

Prof. Sri Niwas Singh Hon'ble Vice Chancellor

Convener

Dr.S.C.Jayswal

Professor & Head, MED

Coordinator(s)

Dr. Jeeoot Singh Associate Professor, MED

Dr.Sanjay Mishra Associate Professor, MED

Advisor(s)

Prof. D.K.Singh Professor, MED

Prof. S.K. Srivastava Professor, MED

Organizing Committee

Dr. Rajesh Kumar Verma, Associate Professor

Mr. Devesh Kumar, Assistant Professor

Dr. Swati Gangwar, Assistant Professor

Mr. R.B. Prasad, Assistant Professor

Mr. Sunil Kumar Yadav, Assistant Professor

Mr. Prashant Saini, Assistant Professor

Mr. Dheerandra Singh, Assistant Professor

Dr. Laxmikant Yadav, Assistant Professor

ABOUT THE UNIVERSITY

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in year 2013 by Govt. of Uttar Pradesh as a non-affiliating teaching and research University after reconstituting erstwhile Madan Mohan Malaviya Engineering College Gorakhpur, which was established in 1962.

The University provides the pollution free environment immensely suited for holistic growth and the development of the students. The University is located on Deoria road about 9 Km away from Gorakhpur Railway Station. The University offers UG in Civil Engineering, Mechanical Engineering, Electrical Engineering, Computer Science & Engineering, Electronics & Communication Engineering and Chemical Engineering and PG in MCA, MBA and M. Tech in Civil, Mechanical, Electrical and Electronics & Communication Engineering. It is also a QIP center for the Ph.D. program in Civil, Electrical, Mechanical, Electronics and Communication Engineering departments.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is one of the oldest departments from the start of institute (1962). The department is undertaking a UG program in Mechanical Engineering, two PG programs (Computer Integrated Manufacturing, Energy Technology and Management) and a research program leading to Ph.D degree in related specialization. The research facilities in Mechanical Engineering Department are developing with addition of new equipments and laboratories, and modernization of old laboratories.



One Week Short Term Training Programme on

Computational & Manufacturing
Challenges in Mechanical Engineering
(CMCME-2018)

Sponsored by TEQIP III

March 19-25, 2018



Organized by

Department of Mechanical Engineering

Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh (India)

(Established by U.P. Government Act No-22 of 2013) (Formerly, Madan Mohan Malaviya Engineering College)

Website: www.mmmut.ac.in





ABOUT THE PROGRAMME

Computational methods are widely used for solving variety of engineering problems. Researchers across the world are using these techniques to explore the new research dimensions. The manufacturing industries have witnessed remarkable improvements due to continuous development of new materials and increased demand of cost effective product with high functional efficiency. The modern industries are facing various challenges in the way of manufacturing. There is a large scope for researchers to solve various existing problems with the aid of various advanced techniques like computational method. In this regard, the present program intends to discuss widely on some existing and advanced techniques related to computing and manufacturing. This would help mainly the researchers, PG students and people from industry to accelerate their research activities.

WHO SHOULD ATTEND

- Faculties from Engineering Institutions
- Researcher from Research Organizations
- Students of PG / PhD Program
- Professionals from Industries

Selection of participants will be on first-comefirst basis.

RESOURCE PERSONS

The resource person for the STTP will be eminent speakers from IIT's, NIT's, other reputed institute, institute itself along with persons from the Industries.

REGISTRATION PROCESS

Participants can register for CMCME2018 by filling the registration form. There is no registration fee. Please send the scanned copy of duly filled registration form to cmcme2018@gmail.com along with the hard copy to the address mentioned in the registration form.

Important Dates:

Last date for application: March 14, 2018

Intimation of selection: March 16, 2018

IMPORTANT INSTRUCTIONS

- Participation confirmation will be send through email only.
- Boarding, Lodging, travel and food expenses shall be borne by the participants only.
- Students of all categories also have to submit completely filled registration form signed by Head of the institute/Head of the Department.
- Accommodation may be provided based on the availability in the University Hostel on payment basis.

VENUE

All the lectures are scheduled in the Seminar Hall of the Mechanical Engineering Department, MMMUT Gorakhpur.

One week
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March 19-25, 2018

Name:

Designation:

Organization:

Highest Qualification:

Date of Birth:

Sex:

Contact Number:

E-mail:

Mailing Address:

Signature of the Participant

Head of Institute/Department (Signature and Seal)

Kindly send the registration form to: Dr. Jeeoot Singh/ Dr. Sanjay Mishra

Coordinator (CMCME 2018)

Department of Mechanical Engineering

Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh. PIN -273010

Contact: Dr. Jeeoot Singh (9235500565) Dr. Sanjay Mishra (9650178116)

E-mail: cmcme2018@gmail.com







TEQIP III Sponsored

Short Term Training Programme on

Computational & Manufacturing Challenges in Mechanical Engineering (CMCME2018)

March 19-25, 2018

Department of Mechanical Engineering Madan Mohan Malaviya University of Technology, Gorakhpur

Programme Details

Date	10 .00-11.30 A.M	11.30 -11.45 A.M	11.45 A.M -1.15 P.M	1.15 - 2.15 P.M	2.15 -3.45 P.M	3.45 -4.00 P.M	4.00 -5.30 P.M
19.03.2018 (Monday)				Registration, Ina	Dr. D. K. Singh MMMUT Gorakhpur [Key note session]		
20.03.2018 (Tuesday)	Dr. L.K. Yadav MMMUT Gorakhpur		Dr. Vivek Patel MNNIT Allahabad		Dr. S. C. Panja Jadavpur Univ. Kolkata		Dr. M. Z. Khan I.I.T BHU
21.03.2018 (Wednesday)	Dr. M. Z. Khan I.I.T BHU		Dr. Vivek Patel MNNIT Allahabad	Lunch	Dr. Jeeoot Singh MMMUT Gorakhpur	Tea	Application of Meshfree Methods
22.03.2018 (Thursday)	Dr. Sanjay Mishra MMMUT Gorakhpur	•	Dr. Sanjay Mishra MMMUT Gorakhpur		Dr. Achchhe Lal SVNIT Surat		Application of Meshfree Methods
23.03.2018 (Friday)	Dr. Achchhe Lal SVNIT Surat	Теа	Dr. S.K. Srivastava MMMUT Gorakhpur		Dr. Jeeoot Singh MMMUT Gorakhpur		Application of Meshfree Methods
24.03.2018 (Saturday)	Dr. B.N.Singh IIT Kharagpur		Dr. R. K. Verma MMMUT Gorakhpur		Dr. R. K. Verma MMMUT Gorakhpur		Application of Meshfree Methods
25.03.2018 (Sunday)	Dr. B.N.Singh IIT Kharagpur						

^{*} The inauguration Function will be held in Aryabhatt Hall, ITRC, MMMUT Gorakhpur.

All the lecture session will be held in the Seminar Hall of Mechanical Engineering Department, MMMUT Gorakhpur.





One Week Short Term Training Programme on

Computational & Manufacturing Challenges in Mechanical Engineering (CMCME-2018)

Sponsored by TEQIP III

March 19-25, 2018

Department of Mechanical Engineering Madan Mohan Malaviya University of Technology, Gorakhpur (U.P)

S.No	Name	Name Designation		Email	Topic of Lecture
1	Dr. B.N.Singh	Professor	IIT Kharagpur	bnsingh@aero.iitkgp.ernet	Mathematical modelling of composite materials
2	Dr. S.C.Panja	Professor	Jadavpur University, Kolkata	spanja@mech.jdvu.ac.in	Reliability Analysis
3	Dr. Mohd. Zaheer Khan Yusufzai	Associate Professor	IIT BHU Varansi	mzkhan.mec@iitbhu.ac.in	Challenges in Welding
4	Dr. Vivek Kumar Patel	Assistant Professor	MNNIT Allahabad	vivek@mnnit.ac.in	(i) Tackling Turbulence in Computational Fluid Dynamics (ii) Computational Analysis of Swirl flow in Gas Turbine Combustor
5	Dr. Achche Lal	Assistant Professor	SVNIT Surat	achchhelal @med.svnit.ac.in	Modelling and analysis of engineering structures
6	Dr. D. K. Singh	Professor	MMMUT Gorakhpur	dhirenks@gmail.com	Advanced Fine Finishing Processes
7	Dr. S.K. Srivastava	Professor	MMMUT Gorakhpur	drsksme@gmail.com	Synthetics curves form and application
8	Dr. Jeeoot Singh	Associate Professor	MMMUT Gorakhpur	jsme@mmmut.ac.in	Mathematical modelling of differential equation Meshfree approach to differential solution
9	Dr.Sanjay Mishra	Associate Professor	MMMUT Gorakhpur	smme@mmmut.a.cin	Laser Beam Micromachining. Finite Element Modelling of Laser Drilling
10	Dr. Rajesh Kumar Verma	Associate Professor	MMMUT Gorakhpur	rkvme@mmmut.ac.in	Preliminaries for Taguchi based Multi objective optimization techniques and machining of FRP composites.
11			laxmikantme@mmmut. ac.in	Analysis of Desiccant Dehumidification Technology	



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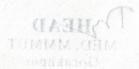
Sponsored by TEQIP III

March 19-25, 2018

Department of Mechanical Engineering
Madan Mohan Malaviya University of Technology, Gorakhpur (U.P)

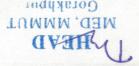
Attendance of Participants

S. No	Name	Designation	Designation	Affiliation	21.3.2018		22.3.2018		23.3.2018		24.3.2018		25.3.2018
			STATE PLONE.	Morning	Evening	Morning	Évening	Morning	Evening	Morning	Evening		
1	Rahul Kumar	Research Scholar	SVNIT, Surat	laly	Mary	Pall	Jaly	Valal	falul	Calil	au	Ouly	
2	Shekhar Srivastava	Research Scholar	NIT, Jalandhar	Rulely	Shs	Site	guly	White .	No.	del	ses	gus.	
3	Vishal Kumar Jaiswal	PG Scholar	RKDF University, Bhopal			and the second s							
4	Vivekanand Singh	Assistant Professor	REC Ambedkar Nagar	nurs.	Viller	liter.	Vistor	Viden	Vident	- Notes	Nideral .	White or	
5	Shweta Mishra	Guest Lecturer	IET, Dr. RML Awadh University, Faizabad	Shuste	Thista	Quela.	Cheale	V		Sherille	Sherelle	Gusela	
6	Kriti Srivastava	Guest Lecturer	IET, Dr. RML Awadh University, Faizabad	Kaire	Kanin	Kanji	Kowi.			Karje	Kars.	pouls	



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7	Anurag Singh	Guest Lecturer	IET, Dr. RML Awadh University, Faizabad		almi	Asm	Asvi			plan	Plum	BSwi
8	Shiv Prakash Tripathi	Assistant Professor	KIPM College of Engineering & Technology, GIDA Gorakhpur	horse of the		the state	K days	e de la companya de La companya de la companya de		2ms	Kan	Harm.
9	Rahul Patel	Assistant Professor	KIPM College of Engineering & Technology, GIDA Gorakhpur	Rowel	Ramel	- Robul	artuil	- Ratul	Dochul	falul	fahre	- falial
10	Alok Kumar Pandey	Assistant Professor	Buddha Institute of Technology, GIDA Gorakhpur									
11	Ankur Srivastava	Head of Department	Little Flower Polytechnic, Gorakhpur	Aude			Tra	MKer	Anken	Anker	pykur	AV
12	Ram Bahadur	Assistant Professor	Little Flower Polytechnic, Gorakhpur	Rm_	Shy.	Am	Alm	An	- Of	Day	Oly,	Bring.
13	Shani Kumar	Assistant Professor	Little Flower Polytechnic, Gorakhpur	SE.	1	Nacial Control		Barl	- Shor	3	8	E
14	Manoj Kumar Verma	Assistant Professor	IET, DR. RML Awadh University, Faizabad	mi	mf	mi	mot	my	mf	mt	mt	met
15	Umesh Chandra Verma	Assistant Professor	IET, DR. RML Awadh University, Faizabad		ucs og		193532					kat terligingan terter film med 1995 bersamen sering
X	Dr. Arvind Tiwari	Assistant Professor	Rajkiya Engg. College Sonabhadra									4
17	Mr. Brihaspati Singh	Assistant Professor	Rajkiya Engg. College Azamgarh	Basen	assego	Brook	Grap	Brown	brosp	Peros	Bruges	
18	Mr. Savendra Pratap Singh	Assistant Professor	Rajkiya Engg. College Azamgarh	Seuz	Sar	Se	Ss	Sa	Se	Su	Say	
19	Sunil Kumar Yadav	Assistant Professor	MMMUT, Gorakhpur	Sh	Sh	Oh	42	SI	55	SC	Sa	Sh
20	Prashant Saini	Assistant Professor	MMMUT, Gorakhpur	Bir	Emi	Bir	Con	Cont	Coix	Carri	Carr	

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21	Dheerendra Singh	Assistant Professor	MMMUT, Gorakhpur	ghout	Short		Biserreys			7.70	(() () 7 ()	
22	Devesh Kumar	Assistant Professor	MMMUT, Gorakhpur	Dever	Dave	Devel	Diver	7		DA		
23	Anjani Kumar Singh	Workshop Suptd.	MMMUT, Gorakhpur	W.	0	2	0	0	0			
24	Mohd. Zahid Rayaz Khan	Research Scholar	MMMUT, Gorakhpur	Xver .	Thon	Kron	the	Two	From	- Ans	The	Thon
25	Prakhar Kumar Kharwar	Research Scholar	MMMUT, Gorakhpur	Taiche	[wholes]	Kerchan	Replan	Knichen	Tolcher	Verklag	Papha	
26	Sukriti Yadav	Research Scholar	MMMUT, Gorakhpur	Sukih	Surah	Sukin Yoder	Survivo	Survillyadow	Sukit	Sukvilly Yadan	Sukiv.	Getrini Yada V.
27	Vivekanand Providence Shukla	Research Scholar	MMMUT, Gorakhpur	valla	VSLAR	KHA	Vanla	Valla	valla	Vsula	Varila	Valla
28	Shivani Singh	Guest Faculty	MMMUT, Gorakhpur	Direct	No.	Jana	Niver	Haran	Wind	Hira		W.
29	Anil Kumar	Guest Faculty	MMMUT, Gorakhpur	and	Point	Out	(mg)	my	Port	Ting	anil	Bril
30	Hari Krishna	Guest Faculty	MMMUT, Gorakhpur	peni	non'	paris	Hom'	Herri	nens	your		
31	Maneesh Singh	Guest Faculty	MMMUT, Gorakhpur	1	A	the At	A	p	n	n	n	p
32	Shivam Kumar Singh	PG Scholar	MMMUT, Gorakhpur	shrem	1 Vince	A Property		1	U	FAM		U
33	Rahul Vishwakarma	PG Scholar	MMMUT, Gorakhpur	Rabiel	falust		Roll	Racid	Robins		Ç.,	
34	Vishesh Shukla	PG Scholar	MMMUT, Gorakhpur	Vichesh Sheekla	Shukla	Vieluh	11 hear	Vasheah	Viaheah	Vishesh		
35	Anubhav Vishwakarma	PG Scholar	MMMUT, Gorakhpur	Austru	Anny	Andr	Aude	And	Augla	Andr	2	



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36	Akhilendra Kumar	PG Scholar	MMMUT, Gorakhpur	Here Heman Mora Accept Learner Herman
37	Manyendra Nath Tripathi	PG Scholar	MMMUT, Gorakhpur	Marendan Manedon
38	Pawan Kumar Yadav	Phd Scholar	MMMUT, Gorakhpur	lass las las las las
39	Anupma Yadav	Phd Scholar	MMMUT, Gorakhpur	Ante Ante Ante Ante Ante Installed Antes
40.	Amit Kumar	PG Scholar	MMMUT, Gorakhpur	Amily dust during during during
41.	Rajneesh Kumar	PG Scholar	MMMUT, Gorakhpur	Award Award From
42.	Awanish Kumar	PG Scholar	MMMUT, Gorakhpur	Award August Award Award August August August
43.	Peeyush Chandra Viswakarma	PG Scholar	MMMUT, Gorakhpur	Perguen Perguin legan pourson server server server
44.	Durga Prasad	Phd Scholar	MMMUT, Gorakhpur	of a sh sh sh sh sh sh

45. Bidhneshwar Pascholar Mmmut.

- Kumur upadyey aKP

46 Rahul Kumor Yadan Paschalar Mmmut

47 AKASH CHAND PG Scholar MMMUT

48. Anant Kumar Gupta PG Schola remout

19- Nand Kisher Padau PG Scholar GERP GARP GERP MMMUT

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