

CHITANYA BHARATHI INSTITUTE OF TECHNOLOGY

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6.3.3 Average number of professional development / administrative training programs organized by the institution for teaching and non-teaching staff during the last five years

Academic Year: 2020-2021

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CHIEF PATRON

Kavi Kireeti Dr. V MALAKONDA REDDY
President, CBIT

PROGRAM MONITORING COMMITTEE (PMC)

Prof. G. P. SARADHI VARMA (Chairman)
Principal, CBIT

Prof. A. VIMALA (Subject Expert)
Head, Dept. of Civil Engineering

Prof. M. KOTI REDDY (Member)
Dept. of Civil Engineering

Prof. P V R RAVINDRA REDDY (Member)
Head, Dept. of Mechanical Engineering

Prof. D. KRISHNA REDDY (Member)
Head, Dept. of ECE

Sri A. BALAJI RAO

(Coordinator-FDP & Member Secretary-PMC)
Assoc. Prof., Department of Civil Engineering.

CO-COORDINATORS

Mr. G. VISWANATH

Asst Professor, Dept. of Civil Engineering
Email: gvishwanath_civil@cbit.ac.in
☎+91-8220541914.

Mrs. N. LALITHA KUMARI

Asst Professor, Dept. of Civil Engineering
Email: lalithakumari_civil@cbit.ac.in
☎+91-9032809270

Registration Fee

Free

IMPORTANT DATES

Last date for Registration : **12-12-2020**

Intimation of selection : **13-12-2020**

WHO CAN APPLY?

Faculty and Research Scholars from AICTE approved institutions can register. Selected participants will be informed through mail. Selection is based on first-come-first-serve basis.

HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

A test will be conducted at the end of the program and joint certificates shall be issued (by AICTE & conducting institute) to those participants who have attended the program and have scored minimum 60% marks in the test.

Also, course material (2 textbooks) will be sent to 40 registered participants based on the performance in the test and who maintain more than 80 % attendance in the course

REGISTRATION LINK

<https://forms.gle/84CSr4niZ1tJHUri6>



AICTE – Sponsored

TWO-WEEK ONLINE

**FACULTY DEVELOPMENT PROGRAM
(FDP)**

on

**SEISMIC AND WIND
LOADS ON BUILDINGS
AND APPLICATIONS OF
ETABS AND ANSYS
FLUENT**

14th – 26th December, 2020

Organized by

**DEPARTMENT OF CIVIL
ENGINEERING**

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (Autonomous)

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institute in INDIA, in Telangana State. The Institute offers Eleven UG and Eleven PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous Status from the Academic Year 2013-14 onwards.



ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 1979 with the inception of the Institute. The department offers a Four-Year Bachelor's Degree Program in Civil Engineering and Two-Year Master's Degree. In there are

about 500 Students pursuing Bachelor's Degree and 50 Students pursuing Master's Degree in the department. Many of the faculty members hold higher degrees from reputed institutions from India like IITs, NITs, IIITH and state universities and abroad. The department of civil engineering has three missions such as excellence in teaching and research; relevance to industry and society; and contribution to sustainable development. The department is well equipped with state-of-the-art laboratories to cater the needs of teaching, R&D and consultancy. The faculty of the department strive hard to impart the latest technical knowledge to the students and conduct quality research. The faculty offer technical services on live engineering problems to various government and private organizations.

ABOUT THE FDP

With the heights of the buildings continuously on the rise and the increased frequency of the occurrence of earthquakes and cyclonic storms, the process of lateral load estimation has become a very important component of structural analysis. This necessitates the structural engineering faculty gain sound knowledge in the field, and to transfer it to the students. Though Earthquake engineering has gained a lot of importance, wind engineering on the other hand has not got its due. Hence the necessity arises to introduce wind engineering and computational fluid dynamics. The proposed programme besides dealing thoroughly with earthquake engineering would make an effort to impart introductory knowledge in Computational Fluid Dynamics (CFD), which is an emerging area in the field of wind engineering.

The department has the required softwares like ETABS, ANSYS FLUENT etc., available and the participants will get good exposure to these softwares.

COURSE CONTENT

- Introduction to Engineering Seismology
- Structural Dynamics
- Equivalent Static Method, Response Spectra Method
- Time History Analysis – Linear & Non-Linear
- Pushover Analysis
- Vibration Control Techniques
- Seismic Retrofitting
- Review of Wind Loads
- Introduction to Computational Fluid Dynamics
- Application of CFD to Structures
- Review of relevant codes

OBJECTIVES

- To make the participants acquire good conceptual knowledge in the fields of Earthquake engineering and Wind Engineering
- To introduce Computational Fluid Dynamics to the participants which enables them explore the research possibilities in the area.
- To make the participants well versed in the software applications of both earthquake engineering and wind engineering

RESOURCE PERSONS

Faculty from IIT'S, NIT'S, Universities, CBIT and other reputed institutions and Scientists from reputed organizations

Report submitted to AICTE by
Program Evaluation committee

FDP “Seismic and Wind loads on Buildings and applications of ETABS and ANSYS Fluent “

A two week FDP “Seismic and Wind loads on Buildings and applications of ETABS and ANSYS Fluent “ was conducted during 14-12-2020 to 26-12-2020. In view of the COVID situation, the programme was converted from offline mode to online mode. A total of 141 candidates registered for the program out of which 119 eligible candidates were given admission. The PEC decided 75% minimum attendance and 60% marks in the test as the eligibility criteria for the award of participation certificates . Out of the 73 candidates attended for the program, 51 candidates satisfied the criteria and were awarded the certificates.

As part of the program, 20 theory sessions and 10 lab sessions were conducted and eminent people from IITs, NITs , IIIT and industry are drawn for delivering lectures and was well received by the participants. Various topics on Seismic and wind loads were covered in the morning sessions and in the afternoon sessions softwares (ETABS and ANSYS Fluent) were demonstrated. A one moth free version of ETABS was provided to all the participants which enabled them get good practice of the software. The feedback (about 4.7 to 4.8 out of 5) from the participants show that they were immensely benefitted from the programme.

An amount of Rs3,40,000 was sanctioned out of which Rs1,33, 000 was spent on the conduct of the program and the remaining amount is being returned to AICTE

The program was designed with the following objectives

- i. To make the participants acquire good conceptual knowledge in the fields of Earthquake engineering and Wind Engineering.
- ii. To introduce Computational Fluid Dynamics to the participants which enables them explore the research possibilities in the area.
- iii. To make the participants well versed in the software applications of both earthquake engineering and wind engineering

The committee feels that, with the successful conduct of the programme , the objectives are achieved.

Program Evaluation Committee members

1. Prof. G P S Varma, Principal, CBIT (Chairperson)

2. Dr. K Jagannadha Rao, Head, CED (Member)

3. Dr. P V R Ravindra Reddy, Head, MED (Member)

4. Sri A. Balaji Rao, Coordinator (Member Secretary)

5. Prof. M. Koti Reddy, Professor, CED (Subject Expert)

SI NO.	Name of the Part	Name of the Insti	Designation	e-mail Id	
1	Syed Viqar Malik	Vaagdevi College	Assistant Profess	viqar.malik@gmail.com	
2	RAHUL KACHOLE	G H Rasoni Aca	Assistant Profess	rkachole7@gmail.com	
3	YALLALA SHAIK	CBIT	Research Schola	er.shaikabuzar@gmail.com	
4	M satyanarayana	GOVERNMENT	Lecturer	satyasep27@gmail.com	
5	G.VENU RATNA	PVPSIT	Assistant Profess	venu.sunanda@gmail.com	
6	Dnyaneshwar D	Sanjivani College	Assistant Profess	dnyaneshwarmore16@gmail.com	
7	Mrs. Asaboyina S	Vaagdevi college	Assistant Profess	sravsvaibhav@gmail.com	
8	KAKKERLA SUM	Vaagdevi College	Assistant Profess	sumanasree105@gmail.com	
9	K Krishna Teja	Vaagdevi College	Assistant Profess	krishnateja_k@vaagdevi.edu.in	
10	Vikas Mendi	RV College of En	Assistant Profess	vikasm@rvce.edu.in	
11	Haroon Ali Khan	Velagapudi Rama	Assistant Profess	haroon@vrsiddhartha.ac.in	
12	Malla Kalyan	CBIT	Assistant Profess	kalyan_civil@cbit.ac.in	
13	K.Manvi Rao	Mahatma Gandh	Assistant Profess	manviraokolan@gmail.com	
14	Phani Ram Golla	Velagapudi Rama	Assistant Profess	g.phaniram@gmail.com	
15	Nandeesh M S	M S Ramaiah Ins	Assistant Profess	nandeeshms@gmail.com	
16	VENKAT RAO B	VELAGAPUDI R	Assistant Profess	bvrvrsec@gmail.com	
17	POLINA VVSSR	GOKARAJU RAM	Assistant Profess	siva.polinas@gmail.com	
18	shalaka sharma	GHRIET	Assistant Profess	shalaka.sharma@raisoni.net	
19	KOTESWARA R	CHAITANYA BHA	Assistant Profess	kkoteswararao_civil@cbit.ac.in	
20	Koti Reddy M	Chaitanya Bhara	Professor	kotireddy_civil@cbit.ac.in	
21	Dr. Sharda Siddh	Shri Ramdeobab	Assistant Profess	siddhs@rknec.edu	
22	E. Maheshwar R	CBIT	Assistant Profess	maheswarreddy_civil@cbit.ac.in	
23	Shaik.Shameem	JNTUK Kakinada	Assistant Profess	shameemjntuk@gmail.com	
24	KAKKERLA SUM	Vaagdevi College	Assistant Profess	sumanasree105@gmail.com	
25	Hariom Khungar	Shri Ramdeobab	Assistant Profess	khungarhp@rknec.edu	
26	Jagadeesan	Guru Nanak Insti	Professor	jagadeesan.civil@gmail.com	
27	सौरभ राजौरिया	NIT PATNA	Research Schola	sourabhr.phd19.ce@nitp.ac.in	
28	praveen	Other (FPL-IITH) RA		praveen638@gmail.com	
29	Mrs. Asaboyina S	Vaagdevi college	Assistant Profess	sravsvaibhav@gmail.com	
30	ABBU ABHILASH	Mahatma Gandh	Assistant Profess	abhilashabbu@gmail.com	

31	Praveenkumar R	SRM University,	Assistant Profess	praveen.kumar@srmuniversity.ac.in
32	GULAM QUADA	JAYAMUKHI INS	Assistant Profess	gulam.quadar999@gmail.com
33	K.V.Subash	PVPSIT	Assistant Profess	koneruvenkatasubash@gmail.com
34	P.Srinivas Reddy	Chaitanya Bhara	Assistant Profess	psrinivasareddy_civil@cbit.ac.in
35	Haroon Ali Khan	Velagapudi Rama	Assistant Profess	haroon@vrsiddhartha.ac.in
36	Dhanush S	R V COLLEGE C	Assistant Profess	dhanushs@rvce.edu.in
37	PRAKASH GOVI	GH RAISONI AC	Assistant Profess	prakash.choudhari@raisoni.net
38	Somanath M Bas	R V College of E	Assistant Profess	somanathmb@rvce.edu.in
39	K.V.Vivek	Chaitanya Bhara	Assistant Profess	kvvivek_civil@cbit.ac.in
40	I.chandana	Gokaraju Rangar	Assistant Profess	chandana.298@gmail.com
41	S.Shanmugapriy	Coimbatore Instit	Associate Profes	shanmugapriya@cit.edu.in

CHIEF PATRON
Kavi Kireeti Dr. V MALAKONDA REDDY
President, CBIT

PATRON
Sri. N. SUBASH
Secretary & Correspondent, CBES

Smt. D. SANDHYA SREE
Chairperson D&P, CBIT

ADVISORS
Prof. P. RAVINDER REDDY
Principal - CBIT
Prof. P.V.R. RAVINDRA REDDY
Head, Dept. of Mechanical Engineering

COORDINATORS
Prof. N. V. SRINIVASULU
Dept. of Mechanical Engineering

P. ANJANI DEVI
Dept. of Mechanical Engineering

MEMBERS

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Dr. R.P. Chowdary	Mr. K. Gurubrahmam
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Ms. V. Sandhya	Mr. Yasoda Sreeram
Dr. S. Narasimha Kumar	Mr. Ch. Sharath Reddy

ELIGIBILITY

The Faculty Members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats / Technicians/Participants from Industry etc.) and staff of host institutions

GUIDELINES

- o No participant fees will be collected
- o Eligible participants will be selected based on first come first serve basis and will be intimated by e-mail only.
- o A Digital Certificate by the ATAL Academy will be issued to the participants, who have an attendance of minimum 80 % and score more than 60% in the test.
- o On the last day of the program an assessment test will be conducted for all participants.

REGISTRATION DETAILS

No Registration Fee

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<https://atalacademy.aicte-india.org/signup>

After registration in the above link submit the scanned copy of the registration form to nvsrinivasulu_mech@cbit.ac.in by **15-10-2020**.



A One Week Online

AICTE Training and Learning (ATAL)
Academy Faculty Development
Program (FDP)

on

**MOLECULAR
MANUFACTURING**

19th – 23rd October, 2020

Organized by

**DEPARTMENT OF MECHANICAL
ENGINEERING**

PROFESSOR & HEAD

Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (CBIT)
andipet, Hyderabad-500 075, Telangana

P. Reddy

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)

CBIT is one of the premier Engineering Institute in INDIA, pioneer in Telangana State, which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 41 years by producing about 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the world. The Institute has been Accredited by NBA--AICTE and NAAC--UGC. UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. The Grants received from AICTE/UGC are worth about Rs. 2.5 Crores. Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected to secure Placements in MNCs through College Career Development Center.



ABOUT THE DEPARTMENT

The Department of Mechanical Engineering, CBIT is offering two undergraduate courses; B.E in Mechanical Engineering and B.E- Production Engineering with an intake of 120 and 60 respectively and two PG programmes; M.E in CAD/CAM and M.E in Thermal Engineering. The department has 42 faculty members out of which 20 are PhDs. In the last 3 years seven R&D sponsored projects worth Rs. 98 lakhs were sanctioned to the department, 4 patents were published, and 2 patents were filed, 22 workshops and 2 FDPs were organized. In the last 3 years 16 PhDs were awarded and two were submitted under the guidance of departmental faculty. The Department is well equipped with all state-of-the-art equipment, Laboratories & workshops providing all necessary facilities to the students. The Hexagon Capability Centre, India has opened Innovation laboratory in the premises of the CBIT. The lab has been equipped with hardware and software worth Rs.6.50 crore. B.E Mechanical Engineering, B.E Production Engineering and M.E CAD/CAM Programmes were accredited by NBA.

ABOUT THE FDP

The objective of ATAL scheme is "To plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging fields"

The current FDP is highly interdisciplinary by nature, encompassing aspects of different engineering fields like Materials science

Bioengineering, Mechanical Engineering etc. This topic has also considerable overlap with Nanotechnology. In that both are concerned with the behavior of materials on the scale of nanometers or smaller

Topics to be covered in FDP

- ↓ Nanoscience Engineering
- ↓ Nanodevices: Design and Manufacture
- ↓ Science and Technology of Nanostructures
- ↓ Surface Analysis of Nano Particles
- ↓ Sensor and smart materials
- ↓ 3D printing and Design
- ↓ Finite element analysis of nano particles
- ↓ Digital manufacturing
- ↓ Nano Composites
- ↓ Surface Engineering

RESOURCE PERSONS

Resource Persons are scientists from Defense labs, IIT, Hyderabad, Osmania University and CBIT.

FOR ANY DETAILS PLEASE CONTACT

Dr N V Srinivasulu,
Professor.

Dept. of Mechanical Engineering,
CBIT, Hyderabad-500075
Contact No: 9848592815, 8919673860
Mail Id: nvsrinivasulu_mech@cbit.ac.in

PROFESSOR & HEAD
Department of Mechanical Engineering

Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana

REPORT OF ATAL FDP ON MOLECULAR MANUFACTURING

DATES: 19-23, OCTOBER, 2020

AT CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY,
GANDIPET, HYDERABAD-500075. TELANGANA

COORDINATOR:

DR N V SRINIVASULU

PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING,
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY,
GANDIPET, HYDERABAD-500075. TELANGANA.

CO-CORDINATOR

Mrs. P ANJANI DEVI

ASSISTANT PROFESSOR,
DEPARTMENT OF MECHANICAL ENGINEERING,
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY,
GANDIPET, HYDERABAD-500075. TELANGANA.



PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (CBIT)
Gandipet, Hyderabad-500 075, Telangana

BROCHURE OF FDP

CHIEF PATRON
Kavi Kireeti Dr. V MALAKONDA REDDY
President, CBIT

CHIEF ADVISOR
Prof. P. RAVINDER REDDY
Principal - CBIT

ADVISOR
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41

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- ↓ Finite element analysis of nano particles
- ↓ Digital manufacturing
- ↓ Nano Composites
- ↓ Surface Engineering

RESOURCE PERSONS

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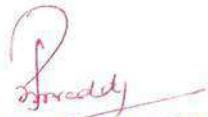
FOR ANY DETAILS PLEASE CONTACT

Dr N V Srinivasulu,
Professor
Dept. of Mechanical Engineering,
CBIT, Hyderabad-500075
Contact No: 9848592815, 8919673860
Mail Id: nvsrinivasulu_mech@cbit.ac.in


PROFESSOR & HEAD
 Department of Mechanical Engineering
 Chaitanya Bharathi Institute of Technology (A)
 Gandipet, Hyderabad-500 075, Telangana

SCHEDULE OF THE PROGRAMME.

Day	10:11:30	11:30-1:00	1:00-2:00	2:00-3:30
19oct, 2020	Inauguration	Dr Vithal, M OU, HYDERABAD Nano Materials For Energy And Environmental Applications	L	Dr P Ravinder Reddy, CBIT, HYDERABAD Bio Composite Material reinforced with Poultry feather fiber
20 oct, 2020	Dr K Venkateshwara Rao, JNTUH NANOMATERIALS	Dr P Ravinder Reddy CBIT, HYDERABAD <i>Machinability of Metal Matrix Composites using Numerical and Experimental Methods</i>	U N	Dr M. Ravishankar IIT Tirupati <i>Bio ceramic coatings on Titanium alloys for orthopedic applications</i>
21oct, 2020	Dr PratapKollu UOH <i>Sensor and smart materials, BATTERIES</i>	Dr N V Srinivasulu Professor, CBIT, Hyderabad <i>Stress management and remedies from occult sciences, Hyderabad</i>	C	Dr G Chandra Mohan Reddy PROFESSOR, CBIT, HYDERABAD <i>Digital Manufacturing</i>
22oct, 2020	Dr Tata Narsinga Rao Associate Director, SC., G, ARCI, Hyderabad. High Performance Nanomaterials for Energy storage Applications	Dr R VIJAY SC.,G ARCI, Hyderabad Advanced processing of materials at ARCI	H	Dr Vivek Arya BHEL R&D, HYD <i>PVD based Nanocomposites coatings for erosion prone power plantcomponents</i>






PROFESSOR & HEAD
 Department of Mechanical Engineering
 Chaitanya Bharathi Institute of Technology (A)
 Gandipet, Hyderabad-500 075, Telangana



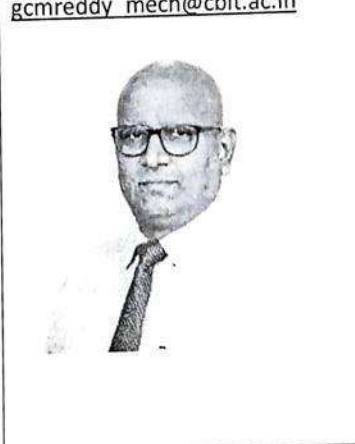

23oct, 2020	(9 to 10.30 am) Dr. L Siva Rama Krishna, Associate Professor Osmania University., Hyderabad 3 D PRINTING	10.30-11.30 Dr N V .SRINIVASULU PROFESSOR, CBIT Stress management for teachers And remedies	Dr S. Sudhakar Sharma SC., D, ARCI, Hyderabad NANO BORON	Dr J. John Rozario Jegaraj Scientist F , DRDO Advances Manufacturing for Aerospace applications
22.10. 2020	Exclusive session on Meditation and yoga by Chandrakant.D from international sahaja yoga, Noida, delhi 3.30 to 5 pm			




List of experts and their details

s.no	Name of the expert and address	Mail id	Phone number
1.	Dr M VITHAL PROFESSOR, DEPARTMENT OF CHEMISTRY, OSMANIA UNIVERSITY, HYDERABAD. TELANGANA	mugavithal@gmail.com 	9849973868
2	DR P. RAVINDER REDDY EX PRINCIPAL & PROFESSOR, DEPT OF MECH ENGG., CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, GANDIPET,	ravinderreddyp_mech@cbit.ac.in	9391033002




PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana


	HYDERABAD-500075. TELANGANA		
3	DR K VENKATESWAR RAO PROFESSOR, JNTUH, HYDERABAD		9440858664
4	DR P. RAVINDER REDDY EX PRINCIPAL & PROFESSOR, DEPARTMENT OF MECHANICAL ENGG., CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, GANDIPET, HYDERABAD-500075. TELANGANA	ravinderreddyp_mech@cbit.ac.in 	9391033002
5	DR M RAVISHANKAR ASSOCIATE PROFESSOR DEPARTMENT OF MECHANICAL ENGINEERING, IIT TIRUPATI	evmrs@iittp.ac.in 	91-361-250-3410 8638393843

6	DR PRATAP KOLLU ASSISTANT PROFESSOR UNIVERSITY OF HYDERABAD, HYDERABAD.		7981468978
7	DR N V SRINIVASULU PROFESSOR, DEPARTMENT OF MECHANICAL ENGG., CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, GANDIPET, HYDERABAD-500075. TELANGANA	nvsrinivasulu_mech@cbit.ac.in 	9848592815
8	DR G CHANDRA MOHAN REDDY EX PRINCIPAL & PROFESSOR, DEPARTMENT OF MECHANICAL ENGG., CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, GANDIPET, HYDERABAD-500075. TELANGANA	gcmreddy_mech@cbit.ac.in 	9381855173
9	DR TATA NARASINGA RAO SC.G, ASSOCIATE DIRECTOR, ARCI, HYDERABAD	tata@arci.res.in 	

10	DR R VIJAY SC.G, RCI HYDERABAD.	vijay@arcl.res.in 	9441456688
11	DR VIVEK ARYA SR DGM, BHEL R&D, BALANAGAR, HYDERABAD.	vivek.arya@bhel.in 	9441270619
12	CHANDRA KANTH DEODA SAHAJA YOGA NOIDA, DELHI	peacefulsky00@gmail.com Chandrakant.deoda@gmail.com 	7290044992 9922500320

PROFESSOR & HEAD *Chandra Kanth Deoda*
 Department of Mechanical Engineering
 Bharathi Institute of Technology (A)
 Hyderabad-500 075, Telangana

13	DR L. SIVA RAMAKRISHNA ASSOCIATE PROFESSOR DEPARTMENT OF MECHANICAL ENGINEERING UNIVERSITY COLLEGE OF ENGG., OSMANIA UNIVERSITY, HYDERABAD.	sivaramakrishna.l@uceou.edu 	8978903877
14	DR N V SRINIVASULU PROFESSOR OF MECH ENGG CBIT, HYDERABAD-75.	Nvsrinivasulu_mech@cbit.ac.in 	8919673860
15	MR. S SUDHAKAR SARMA SC.D, RCI, HYDERABAD	sssarma@arci.res.in 	9440084538

16	DR JOHN J SCIENTIST F DRDO, HYDERABAD.	johnmfeg@drdl.drdo.in	9441163609
			

Inaugural function:

Inaugural function was organized by department of mechanical engineering, Chaitanya Bharathi institute of technology, Gandipet, Hyderabad, on line at 10 am.

The following dignitaries were attended online to this function.

Chief guest: Dr P. RAMESH BABU, Head & Professor, Osmania university, HYDERABAD.

President of function: Mrs. D. Sandhya sree, member BOM, CBIT.

Dr G. P.Saradhi Varma ,Principal , CBIT, Hyderabad.

Dr P V R Ravindra Reddy, head, mechanical Engg., CBIT. Hyderabad.

List of participants

Name	Email	State
Mr. Addagatla Ravindar	cbit.ravi@gmail.com	TELANGANA
Mr. MARRIPALLY RAVIKUMAR	marripallyravikumar@gmail.com	TELANGANA
Mrs. Ipsita Mohanty	ipsitamohanty_mech@cbit.ac.in	TELANGANA
Mr. Jay Mandalia	jaymandalia@gmail.com	GUJARAT
Dr. MANOWAR HUSSAIN	hussain_mech@cbit.ac.in	JHARKHAND
Dr. S. Solomon Raj	solomon26@iitkalumni.org	TELANGANA
Mr. T Venkatesh	venkatesh2711991@gmail.com	TELANGANA
Mrs. Sabitha Rani P	sabithashk@gmail.com	KERALA
Mrs. Venkata Sushma Chinta	venkatasushmachinta_mech@cbit.ac.in	TELANGANA
Dr. B V S RAO	balivadarao@gmail.com	TELANGANA

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology
Hyderabad-500 075, Telangana

Mr. Ravi Degala
Mr. P Surendar Reddy
Mr. Eswaranna
Mr. JEEVA SIVALINGAM
Mr. Rajesh R
Miss P. PAVANI
Mrs. Nagini Yarramsetty
Mr. Madan Mohan Puram
Dr. Mohamed Abdul Hafeez
Miss Priyanka
Dr. G. Venkatesh
Miss Elfansu
Mr. b vijaykrishna
Mr. Ajmeera Ramesh
Dr. L.M.V.Subbarao Tanguturu
Mrs. Sonal Kapadia
Mr. Suri Srinivas
Mr. Chandu avvari
Dr. Dr.S.Shylaja
Mrs. Furzana
Dr. Rama Devi Mogulla
Mr. M.Naveen Babu
Dr. P. Prabhakar Reddy
Dr. T. RATNA REDDY
Mr. Mikkili Rajesh
Dr. Gubbala Venkata Ramesh
Dr. Saritha
Miss Kanthala Sai Pranitha
Mr. MD ZAIN AFRIDI
Dr. K.RAMESH
Mr. ADDAGATLA RAVINDAR
Mr. Rahul Vitthal Bhoje
Miss G.Savya
Mr. Balu Maloth
Mr. Ashish V. Srivastava
Mrs. Varimadugu Sandhya
Mr. K Shiva Shankar
Mr. Argade Rohit Ramesh
Dr. L.SIVA RAMA KRISHNA
Mr. Kandukuri Srinivas
Mr. dinesh chowdary
Mr. GADDE NARASIMHULU
Mr. Sri rama krishna
Mr. chandrasekhar nanduri
Mr. RAJKUMAR BANOTHU
Mr. K.GURUBRAHMAM
Miss Divyata Gupta
Miss Tejaswi

raavid_mech@cbit.ac.in
surenderreddy_mech@cbit.ac.in
eshwaranna304@gmail.com
jaguarjiiva@gmail.com
rajeshklm1976@gmail.com
penumalapavani@gmail.com
y_nagini@yahoo.co.in
madanmpuram.me@its.edu.in
mohamedabdulhafeez72@gmail.com
tonagepriyanka@gmail.com
venkatesh.8056@gmail.com
elfansu18@gmail.com
vjkrishna.mech01@gmail.com
ramesh.mech@cmrtc.ac.in
subbarao.tlmv@gmail.com
sonaln05@gmail.com
ssuri_mech@mvsrec.edu.in
Pgs19002_mech.avvari@cbit.org.in
sshylaja_biotech@cbit.ac.in
furzana002@gmail.com
mramadevi_chm@cbit.ac.in
naveenbabu_mech@mvsrec.edu.in
pprcbit@gmail.com
trrcbit@gmail.com
rajeshm.1645@gmail.com
venkataramesh_chm@cbit.ac.in
sarithaiitm@gmail.com
saipranithakanthala@gmail.com
zainafriid323@gmail.com
kramesh_chm@cbit.ac.in
ravinder.ouct@gmail.com
rahulbhoje40@gmail.com
savyaganji03@gmail.com
mbalumech@gmail.com
ashishsri21293@gmail.com
vsandhya_mech@cbit.ac.in
kshiva.shankar02@gmail.com
argadero01@gmail.com
sivaramkrishna.l@uceou.edu
srinivask005@gmail.com
davinani240128@gmail.com
gnarasimhulu42@gmail.com
sreerama2909@gmail.com
nchandrasekhar_ntmech@cbit.ac.in
rajveer643@gmail.com
gurubrahmam_mech@cbit.ac.in
divyaatagupta@gmail.com
tejaswilella40@gmail.com

TELANGANA
TELANGANA
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TAMIL NADU
KERALA
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TELANGANA
UTTAR PRADESH
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DELHI
ANDHRA PRADESH

Mr. Mohammed Siddiq Hussain
Mrs. Madhuri
Dr. G Laxmaiah
Mr. Paluru Kiran Kumar
Dr. MD. ALEEM PASHA
Dr. L Suresh kumar
Mr. Ambati Satish
Mr. T N ADITYA
Mr. N.VENKATESWARA RAO
Mr. V. Jaipal Reddy
Mr. Mohammed Qahsim
Dr. Ch.Indira Priyadarsini
Mr. K V Kasi Viswanadham
Mr. A.SAIKUMAR
Mr. G. Gopinath
Dr. Ramalakshmi
Dr. K. Kishor
Mr. Mohammed Abdul Haque
Mr. Achelker Chandrakanth

Dr. Deepika Sharma
Mrs. Y V N CHANDANA
Mr. Narasimha Kulkarni
Dr. Rahul
Mr. D V ABJEETH
Mr. sanjeev kumar
Mrs. VINISHA YADAV
Mr. Yasoda Sreeram Kalluri
Dr. P. Jayaseelan
Mr. M.RAMAR
Mr. B. Suryanarayana
Mrs. Jyothirmayi Narne
Mr. Mulpur sarat babu
Mr. PRAVIN KAUTIK GHULE
Dr. N Janardhab
Mr. MAHABOOB SUBANI SHAIK
Dr. Dr M V S MURSLI KRISHNA
Mr. Madhukar Samatham
Mr. HANUMANTU KRISHNAMURTY
DORA
Mr. Gazula Saikrishnaprasad
Mr. Surendra Mohan Kumar
Pulivarthi
Mr. B Krishna Murthy
Mr. PALTIIYA MANGA RAO
Dr. Kamidi Rahul
Dr. Pooja Makwana
Mr. Rajendra Shamraw Sargar

m.siddiqh11598@gmail.com
madhuri_shankar@yahoo.co.in
laxmaiahdrbit@gmail.com
pkirankumar72@gmail.com
aleemphd2013@cbit.ac.in
lsureshkumar_mech@cbit.ac.in
ambatisatish414@gmail.com
adityatn369@gmail.com
venkateshwarrao_mech@cbit.ac.in
vjaipalreddy_mech@cbit.ac.in
qahsimmails@gmail.com
ch_priya@yahoo.com
kvkviswanadham_mct@mgit.ac.in
108saikumar@gmail.com
megopinath25@gmail.com
pramalakshmi_mech@cbit.ac.in
kkishor_mech@cbit.ac.in
mohammadabdulhaq16@gmail.com
Chandrakanth_mech@cbit.ac.in

deepikasharma875@ymail.com
chandana.svn@gmail.com
narasimhaafz@gmail.com
luhar6100@gmail.com
nayakantiramadevi09@gmail.com
srinivasgupta98485@gmail.com
anigupta9898@gmail.com
yasodasreeram_mech@cbit.ac.in
jeevaglory@gmail.com
ramar@ritrjpm.ac.in
bsuryanarayana_mech@cbit.ac.in
njyothirmayi_mech@cbit.ac.in
sarat.sclr@nitandhra.ac.in
pravinghule22@gmail.com
narambhatlu.datta@gmail.com
skmsubanibec@gmail.com
muralikrishna_mech@cbit.ac.in
director@professionaleducationalservices.in

hkadora123@gmail.com
saikrishnaprasad35@gmail.com

surendra1966@rediffmail.com
bkmurthy@sasi.ac.in
mangarao0436@gmail.com
kamidirahul@gmail.com
pooja.may16@gmail.com
rajendra.sargar@ritindia.edu

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TELANGANA
MADHYA PRADESH
MAHARASHTRA

PROFESSOR & HEAD

Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana

Dr. Ranganatha S
Dr. MANOJ PANCHAL
Dr. K.LAXMI
Dr. Nagaveni T
Mr. Aravinth B
Mr. MEGANATHAN
Miss LEEPSA MISHRA

kamath.ranganath@gmail.com
er.manojpanchal@gmail.com
hod_chemistry@cbit.ac.in
nagaveni.t@uceou.edu
arbu.aravinth@gmail.com
meganathanmech@getedu.in
leepsa.pph17@iitp.ac.in

KARNATAKA
ANDHRA PRADESH
TELANGANA
TELANGANA
TAMIL NADU
TAMIL NADU
BIHAR

About programme of ATAL FDP on Molecular Manufacturing.:

The programme is sanctioned in august 2020. I am happy that I am one among the 24 FDP's sanctioned to Telangana state and one among 95 sanctioned FDP's across India.

Meticulous planning was done to identify the experts for all the sessions as per AICTE norms. We have also organized yoga and meditation by Sahaja Yoga from Noida, Delhi.

All the sessions went on well without any problems. The participants actively involved in all the sessions and also interacted with the participants and clarified their doubts with senior experts. Experts from industry, academia and researchers from defence were invited to the sessions to deliver talk . experts are invited from DRDO, ARCI, BHEL (R&D), JNTUH, OU, CBIT, UNIVERSITY OF HYDERABAD ETC.

On last day after completion of lecture by Dr John.J, Sc.F, from ARCI, we had conducted a test on all topics covered by experts.

Before that we had uploaded the attendance of all the participants.

We have informed the participants to give their valuable feedback in the portal of ATAL FDP. Most of them given their feedback in the site.

Photos and videos are recorded for all sessions. We could organize 16 sessions which excludes inaugural function on first day.

Photos were uploaded as per the instructions.


PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana

Acknowledgements:

I thank AICTE officials for sanctioning the programme ATAL FDP on Molecular Manufacturing. I thank our management, principal, head of Mechanical Engg. CBIT and colleagues of our department for their support and guidance to complete this FDP. I also thank regional office bearers of AICTE , HYDERABAD.

PROFESSOR & HEAD 
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana



P. Prasad

PROFESSOR & HEAD
 Department of Mechanical Engineering
 Jyotsna Bharathi Institute of Technology (A)
 Hyderabad-500 075, Telangana



Praddy

ASSISTANT PROFESSOR & HEAD
 Department of Mechanical Engineering
 Jyoti Bhatt Institute of Technology (A)
 Hyderabad-500 075, Telangana

CHIEF PATRON

Kavi Kireeti Dr. V MALAKONDA REDDY
President, CBIT

PROGRAM MONITORING COMMITTEE (PMC)

Prof. G. P. SARADHI VARMA (Chairman)
Principal, CBIT

Prof. P. RAVINDER REDDY (Subject Expert)
Dept. of Mechanical Engineering

Prof. P.V.R. RAVINDRA REDDY (Member)
Head, Dept. of Mechanical Engineering

Prof. D. KRISHNA REDDY (Member)
Head, Dept. of ECE

Dr. Md. ALEEM PASHA
(Coordinator-FDP & Member Secretary-PMC)
Assoc. Prof., Department of Mechanical Engg.

CO-COORDINATORS

Mr. T. N. ADITYA
Asst Professor, Dept. of Mechanical Engineering
Email: tnaditya_mech@cbit.ac.in.
☎+91-7569798811.

Dr. MANOWAR HUSSAIN
Asst Professor, Dept. of Mechanical Engineering
Email: manowar_mech@cbit.ac.in.
☎+91-8271823853.

Registration Fee

Free

IMPORTANT DATES (Phase - I)

Last date for Registration : 12-11-2020

Intimation of selection : 14-11-2020

IMPORTANT DATES (Phase - II)

Last date for Registration : 10-12-2020

Intimation of selection : 12-12-2020

HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

A test will be conducted at the end of the program and joint certificates shall be issued (by AICTE & conducting institute) to those participants who have attended the program and have scored minimum 60% marks in the test.

REGISTRATION LINKS

Phase - I

<https://forms.gle/vYqQmCTs3VSEBvL29>

Phase - II

<https://forms.gle/YYDh8V293kRHUXNk6>

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology
Dandamra, Hyderabad-500075

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CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY
Kavali Village, Guntur District, Andhra Pradesh - 522 202

CENTRE FOR
RESEARCH
INNOVATION AND
CREATION

41
YEARS



AICTE – Sponsored TWO-WEEK ONLINE FACULTY DEVELOPMENT PROGRAM (FDP)

on

RESEARCH METHODOLOGIES AND STATISTICAL DATA ANALYSIS

Phase – I: 16th – 28th November, 2020

Phase – II: 14th – 26th December, 2020

Organized by

DEPARTMENT OF MECHANICAL
ENGINEERING



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(Autonomous)

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institute in INDIA, in Telangana State. The Institute offers Eleven UG and Eleven PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous Status from the Academic Year 2013-14 onwards.



ABOUT THE DEPARTMENT

The Department of Mechanical engineering, CBIT is offering 2 under graduate courses; Mechanical Engineering and Production Engineering with an intake of 120 and 60 respectively and Two PG programs in CAD/CAM

and Thermal Engineering domains. The department has 46 faculty members out of which 16 are PhDs. The department is growing exponentially in terms of R&D and consultancy. In the last 3 years 7 R&D sponsored projects of worth Rs. 98 lakhs were awarded to the department, 4 patents were published and 2 patents were filed, 22 works shops and 2 FDPs were organized, under the guidance of department faculty 15 PhDs were awarded and two were submitted. The Department is well equipped with all state-of-the-art equipment's, Laboratories & workshops providing all necessary facilities to the students. The Hexagon Capability Center India has opened Innovation laboratory in the premises of the CBIT. The lab has been equipped with hardware and a software worth Rs.6.50 Crore. B.E Mechanical Engineering Production Engineering and M.E CAD/CAM Programmes were accredited by NBA

ABOUT THE FDP

The objective of this programme is to emphasize on broad range of techniques available in both research process and data analysis for academicians, practitioners and researchers from interdisciplinary Domains. This FDP will provide an opportunity to the participants to share their experience and knowledge.

COURSE CONTENT

- Introduction to research Methodology
- Successful Literature search and Review
- Problem Identification and Literature review

- Research Philosophy and design
- Publication Ethics
- Writing Research Papers using Latex
- Scientific Journal Finder
- Indexing and Impact factors
- Effective Report Writing
- Referencing Tools
- Patent, copyright and Plagiarism.
- Creating research profile and Collaborations
- Sampling and data collection
- Data Analysis
- Hypothesis formulation
- Design of Experiments
- Different Optimization techniques
- Optimization using Genetic Algorithm
- Various univariate data analysis (T-test and ANOVA, etc)
- Various multivariate data analysis (Correlation, regression, multi regression and logistic regression, etc)
- Problem Validation
- MAT Lab
- Basics of SPSS and Data handling
- Minitab software
- Case Studies
- Data Analytics using Python

RESOURCE PERSONS

Faculty from IIT'S, NIT'S, Universities, CBIT and other reputed institutions. Scientists and industry experts from reputed Organizations/ Industries.

TARGET GROUP

Faculty members of the AICTE approved institutions, Research Scholars and Industry persons can register. Selected participants will be informed through mail. Selection is based on first-come-first-serve basis.

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Bandipet, Hyderabad-500 075, Telangana

Report submitted to AICTE
on
AICTE Sponsored Two Week FDP on Research Methodologies and Statistical
Data Analysis

AICTE sponsored Two-week FDP program on “Research Methodologies and Statistical Data Analysis” under AQIS 2019-20 grant was sanctioned during the financial year 2020-21. As per AICTE file No. 34-67/61/FDC/FDP/P-1/2019-20 dated 30-July 2020, Rs- 489533/- ((Four Lakhs Eighty-Nine Thousand Five Hundred and Thirty-Three Only) grant was released to conduct two-week faculty development program under AQIS 2019-20 through contact mode by the AICTE during the financial year 2020-21. Due to COVID-19 pandemic situations AICTE allowed to conduct FDP through online mode in multiple phases.

A Two-week online FDP on Research Methodologies and Statistical Data Analysis was organized in TWO Phases. First Phase was organized during 16th to 28th November 2020. Second phase was organized during 14th-26th December 2020. A total of 208 candidates were registered for the Phase-1, out of which 198 eligible candidates were shortlisted. According to AICTE instructions, The PEC decided that 80% minimum attendance and 60% marks in the test as the eligibility criteria for the award of participation e-certificates. 134 candidates were attended for the program, 121 candidates satisfied the criteria and were awarded the e-certificates.

A total of 232 candidates were registered for the Phase-2, out of which 220 eligible candidates were shortlisted. 75 candidates were attended for the program, 73 candidates were satisfied the criteria and were awarded the e-certificates.

As part of the program, in each phase 34 sessions are organized excluding inaugural and valedictory. Each day Three sessions are organized from morning 9:30 AM to 4:00 PM. Eminent people from IITs, NITs, IIIT, University’s and top affiliated college and industry are drawn for delivering lectures and were well received by the participants. Various topics and software’s on Research Methodologies and Statistical Data Analysis are covered. The feedback from the participants shows that they were immensely benefitted from the Programme.


PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana

An amount of Rs. 489533/- was sanctioned out of which Rs.3,72,000 was spent on the conduct of the program and the remaining amount 1,17,533 is being returned to AICTE.

Phase-1		Phase-2	
Registered	208	Registered	232
Shortlisted Candidates	198	Shortlisted Candidates	220
Attended	134	Attended	75
Awarded with e-Certificate	121	Awarded with e-Certificate	73



PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075. Telangana

**AICTE Sponsored Two Week FDP on
Research Methodologies and Statistical Data Analysis (Phase-1)
16-28 NOVEMBER 2020**

**List of Participants successfully completed the program
Phase-1 FDP Certificate List**

S.NO	Salutation	Name of the Participant	Designation	Name of the Institute/Industry	Email Address	Ref. No.
1	Dr	Murahari Kolli	Associate Professor	Lakireddy Bali Reddy College of Engineering	kmhari.nitw@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/001
2	Mr.	K.Gurubrahmam	Assistant Professor	Chaitanya Bharathi Institute of Technology, Hyderabad	k.g.chary@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/002
3	Mr.	K M D Mazharuddin	Assistant Professor	Muffakham Jah College of Engineering & Technology	mazharuddin@mjcollege.ac.in	AICTE/CBIT/MECH/FDP-1/2020/003
4	Mrs	Hymavathi Kunduru	Associate Professor	Sami Ramananda Tirtha Institute of Science and Technology	hymasreeja@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/004
5	Mr	A. Chandrakanth	Assistant Professor	Chaitanya Bharathi Institute of Technology	chandrakanth_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/005
6	Dr	Ma Majid	Lecturer	GJC GIRLS JAGTIAL	mamajid07@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/006
7	Mr	Yasoda Sreeram Kalluri	Assistant Professor	Chaitanya Bharathi Institute of Technology	yasodasreeram_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/007
8	Mrs	A Pavani Gayatri	Assistant Professor	Sri vasavi Institute of pharmaceutical sciences	pavanigayathri.pharma@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/008
9	Mr	B Dharmabiksham	Quality Control Engineer	SSV ELECTRICALS	dharmabanothu02@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/009
10	Dr	Medha Wadhwa	Assistant Professor	Sumandeep Vidyapeeth	drmedhakalyan@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/010
11	Mr	Peddireddy Shashidar	Assistant Professor	MAHATMA GANDHI INSTITUTE OF TECHNOLOGY	pshashidar_mct@mgit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/011
12	Mrs	Nagadevi Darapureddy	Assistant Professor	Chaitanya Bharathi Institute of Technology	dnagadevi_ece@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/012
13	Ms	Mita Thakkar	Assistant Professor	Department of Management, Sumandeep Vidyapeeth	mital_thakkar87@yahoo.co.in	AICTE/CBIT/MECH/FDP-1/2020/013
14	Dr	Madhusudhana Reddy Induri	Associate Professor	KVSR Siddhartha College of Pharmaceutical Sciences	imsreddychem@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/014
15	Mr	Archutuni V S Ravi Sai Nadh	Assistant Professor	KVSR SIDDHARTHA COLLEGE OF PHARMACEUTICAL SCIENCES	a2zravisai@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/015
16	Mr	Shaik Saidulu	Assistant Professor	Vidya Jyoti Institute of Technology	shaiksaidulu2011@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/016
17	Mr	K V Kasli Viswanadham	Assistant Professor	Mahatma Gandhi Institute of Technology	kvkviswanadham_mct@mgit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/017
18	Mr	Gagandeep Singh	Assistant Professor	Lovely Professional University	gagandeep.15831@ipu.co.in	AICTE/CBIT/MECH/FDP-1/2020/018
19	Dr	Simhachalam Thamarana	Assistant Professor	GMR Institute of Technology	simhachalam.t@gmit.edu.in	AICTE/CBIT/MECH/FDP-1/2020/019
20	Mr	U Phani Vivek	Assistant Professor	MAHATMA GANDHI INSTITUTE OF TECHNOLOGY	uphanivivek_mct@mgit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/020
21	Mr	Shaik Khadar Basha	Assistant Professor	Koneru lakshmaiah education foundation	khadarbasha_me@kluniversity.in	AICTE/CBIT/MECH/FDP-1/2020/021
22	Mr.	M Shanmuka Srinivas	Research Scholar	INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI	mshanukasrinivas@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/022
23	Mr.	D Sreerampasad	Associate Professor	SRKINSTITUTE OF TECHNOLOGY	sreerampasad@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/023
24	Dr.	Pankaj Kumar	Asst. Professor	SR University, Warangal	pankajkumar@sru.edu.in	AICTE/CBIT/MECH/FDP-1/2020/024
25	Mr.	Ravi Degala	Assistant Professor	Chaitanya Bharathi Institute of Technology	ravid_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/025
26	Mr.	Ahmed Abdul Muneem	Assistant Professor	Muffakham Jah College of Engineering & Technology	abdulmuneem@mjcollege.ac.in	AICTE/CBIT/MECH/FDP-1/2020/026
27	Dr.	Chamoli Anjana	Assistant Professor	Dr. L B College	anju231174@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/027
28	Mr.	Karri Naveen	Research Scholar	Lincoln University College	phdstudent.naveen@lincoln.edu.in	AICTE/CBIT/MECH/FDP-1/2020/028

S.NO	Salutation	Name of the Participant	Designation	Name of the Institute/Industry	Email Address	Ref. No.
29	Ms.	Shilpa Chaudhary	Assistant Professor	Lovely Professional University	shilpa.170913@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/029
30	Dr.	Brijesh R. Sharma	Assistant Professor	VES Business School	brijesh.sharma@ves.ac.in	AICTE/CBIT/MECH/FDP-1/2020/030
31	Dr.	Mohan Gandhi Bonthu	Associate Professor	Sri Vasavi Institute of Pharmaceutical Sciences	bm Gandhipharma@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/031
32	Dr.	G.Sasikumar	Professor	GMR INSTITUTE OF TECHNOLOGY	gsasi78@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/032
33	Mrs.	Pritha Biswas	Assistant Professor	St. Xavier's University Kolkata	prithabiswas18@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/033
34	Mr.	Tanveer Ahmad Lone	Phd Research Scholar	Maulana Azad National Urdu University, Hyderabad	lonetanveeramu@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/034
35	Mr.	Praveen T	Other (RA)	Other (FPL-IITH)	praveen638@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/035
36	Mr.	George Sebastian	Assistant Professor	AMAL JYOTHI COLLEGE OF ENGINEERING	georgebastian@amaljiyothi.ac.in	AICTE/CBIT/MECH/FDP-1/2020/036
37	Dr.	P Ramalakshmi	Assistant Professor	Chaitanya Bharathi Institute of Technology (Autonomous)	pramalakashmi_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/037
38	Mrs.	Venkata Sushma Chinta	Assistant Professor	Chaitanya Bharathi Institute of Technology	venkatasushmachinta_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/038
39	Mrs.	Nair Reeta Shivashankaran	Research Scholar	Ct University, Punjab	reetanair9@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/039
40	Dr.	Sadhvi Mehrotra	Assistant Professor	Dayanand Academy of Management Studies	sadhvimehrotra@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/040
41	Mrs.	Nischint Patni Narula	Assistant Professor	Dr Virendra Swarup Institute of Computer Studies	life01109@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/041
42	Mr.	Mahaboob Subani Shaik	Assistants Professor	Bapatla Engineering College	skmsubanibec@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/042
43	Mr.	Biplab Baran Mandal	Research Fellow	Jadavpur University	biplab4190@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/043
44	Mr.	R Govardhan Reddy	Assistant Professor	Chaitanya Bharathi Institute of Technology (Autonomous) Hyderabad	rgovardhanreddy_it@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/044
45	Mr.	Milan Motta	Associate Professor	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	milankumarm@sreenidhi.edu.in	AICTE/CBIT/MECH/FDP-1/2020/045
46	Mr.	Kura Srinivas	Librarian	Sri Venkateswara Engineering College Suryapet	sreenivaskura@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/046
47	Dr.	Seenaa Naik Korra	Associate Professor	SR University	seenasuna558@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/047
48	Mr.	Mohd Hasham Ali	Assistant Professor	MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY	mohdhashamali786@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/048
49	Mr.	Md Yahiya	Assistant Professor	Muffakhah Jah College of Engineering and Technology	mdyahiya_nyn@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/049
50	Dr.	Mahaswetta Saikia	Assistant Professor	Hansraj College DU	msaikia@hrc.du.ac.in	AICTE/CBIT/MECH/FDP-1/2020/050
51	Mrs.	Pavani Munagala	Assistant Professor	Sreyas Institute of Engineering and Technology	pavani.m@sreyas.ac.in	AICTE/CBIT/MECH/FDP-1/2020/051
52	Dr.	Uday Kumar	Assistant Professor	BCET, Durgapur	kumaruday2404@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/052
53	Ms.	Megha Nigam	Research Scholar	Bhartiya Skill Development University Jaipur	nigam.megha@ruj-bsdu.in	AICTE/CBIT/MECH/FDP-1/2020/053
54	Mrs.	Nisha Rani Misra	Assistant Professor	Sreyas institute of engineering and technology	nisha.misra1990@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/054
55	Mr.	Mohd Abdul Moiz	Research Scholar	Maulana Azad National Urdu University	mamoiz786@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/055
56	Mr.	Sumit Arora	Research Scholar	IITD	contactsumitnow@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/056
57	Mrs.	Sunanda Alamuru	Assistant Professor	SRI NIDHI INSTITUTE OF TECHNOLOGY HYDERABAD	sunandaa@sreenidhi.edu.in	AICTE/CBIT/MECH/FDP-1/2020/057
58	Dr.	Pulkit Kalyan	Associate Professor	Sumandeep Vidyapeeth Deemed to be University	drpulkitkalyan@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/058
59	Dr.	D. Srinivasa Kumar	Professor	GMR Institute of Technology	srinivasakumar.d@gmrit.edu.in	AICTE/CBIT/MECH/FDP-1/2020/059
60	Dr.	P Murali Mohan Kumar	Assistant Professor	GMR Institute of Technology	muralimohan.p@gmrit.edu.in	AICTE/CBIT/MECH/FDP-1/2020/060
61	Dr.	S.Solomon Raj	Associate Professor	chaitanya bhathathi institute of technology(A)	solomonraj_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/061
62	Ms.	Tanuja Bartwal	Research Scholar	HNB Garhwal University Srinagar, Garhwal Uttarakhand	tanujabartwal24@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/062


CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT)
 Gandipet, Hyderabad-500 075, Telangana
 Gandipet, Hyderabad-500 075, Telangana


S.NO	Salutation	Name of the Participant	Designation	Name of the Institute/Industry	Email Address	Ref. No.
63	Mr.	M.Ramar	Assistant Professor	RAMCO INSTITUTE OF TECHNOLOGY	ramar@ritrjpm.ac.in	AICTE/CBIT/MECH/FDP-1/2020/063
64	Mr.	Mohd Arshad	Research Scholar	Maulana Azad National Urdu University	AZMI ARSHAD9044@GMAIL.COM	AICTE/CBIT/MECH/FDP-1/2020/064
65	Mr.	K Santosh Kumar	Assistant Professor	Mahatma Gandhi Institute of Technology	ksantoshkumar_mct@mgit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/065
66	Mr.	Kushal Pal Singh	Assistant Professor	G L Bajaj Greater Noida	kush.counter.12@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/066
67	Mr.	Ajay Kumar S	Assistant Professor	MAHATMA GANDHI INSTITUTE OF TECHNOLOGY	ajaykumars_mct@mgit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/067
68	Dr.	R.Uday Kumar	Associate Professor	MAHATMA GANDHI INSTITUTE OF TECHNOLOGY, HYDERABAD	udaykumar403@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/068
69	Dr.	Deepika Sharma	Research Assistant	Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu	deepikasharma875@yamil.com	AICTE/CBIT/MECH/FDP-1/2020/069
70	Mr.	K. Srinivasa Reddy	Research Scholar	VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES	ksrmlgnlgap@yahoo.co.in	AICTE/CBIT/MECH/FDP-1/2020/070
71	Mr.	V Rajesh Kumar	Research Scholar	ANNAMALAI UNIVERSITY	v.rajeshkumar.b.m.pharma@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/071
72	Mr.	Sandeep B N	Assistant Professor	GITAM university	sandeepme014@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/072
73	Mr.	Kundan Kumar Jha	Research Scholar	PRIST Deemed to be UNIVERSITY,Thanjavur,Tamilnadu, India	pappuj567@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/073
74	Dr.	S.Sunitha	Assistant Professor	KVR Govt College for Women(A),Kurnool	sunijehu@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/074
75	Dr.	D.Saritha	Assistant Professor	Chaitanya bharathi institute of technology	dsaritha_chm@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/075
76	Mrs.	G Sunitha	Lecturer	KVRGCW	gundasunitha01@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/076
77	Dr.	Natasha Saqib	Assistant Professor	University of Kashmir	natashasaqib@hotmail.com	AICTE/CBIT/MECH/FDP-1/2020/077
78	Mr.	R. Srihari	Associate Professor	SWAMI RAMANANDA TIRTHA INSTITUTE OF SCIENCE AND TECHNOLOGY	harideep5509@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/078
79	Mr.	Rahamthulla Khan Sarvani	Associate Professor	Shadan college of engineering and technology	srk6006@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/079
80	Mr.	Ashok Kumar Kusuma	Assistant Professor	B V RAJU INSTITUTE OF TECHNOLOGY	ashokkumar.kusuma@bvrit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/080
81	Dr.	T.S.Poornachandrika	Associate Professor	CBIT-School of Management Studies	poornachandrika_sms@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/081
82	Mr.	Kaustubh Kumar Shukla	Research Scholar	Vinayaka Mission's Research Foundation(Deemed to be University),Salem	kkshuklaece@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/082
83	Mr.	P Surendar Reddy	Assistant Professor	Chaitanya Bharathi Institute of Technology	surender.palle350@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/083
84	Mr.	Jasdeep Singh Walia	Assistant Professor	Lovely Professional University	j.jasdeepwalia@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/084
85	Mr.	Madhusudhana Reddy H	Assistant Professor	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	madhusudhanareddyh@sreenidhi.e	AICTE/CBIT/MECH/FDP-1/2020/085
86	Mr.	Swagat Dwibedi	Assistant Professor	VSSUT, Burla	swagatsudhadwibedi@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/086
87	Mrs.	Arunhati Ray	Librarian	Jogamaya Devi College, Calcutta University	aray.library@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/087
88	Mr.	Kallagadda Ashok	Assistant Professor	SNIST	ashokkallagadda@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/088
89	Mr.	Ashwini Kumar Saini	Assistant Professor	GBPIET Pauri Garhwal	ashu82004@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/089
90	Mr.	Ravindra Babu Pingili	Assistant Professor	KVSR SIDDHARTHA COLLEGE OF PHARMACEUTICAL SCIENCES	ravindrappingili@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/090
91	Mrs.	P.Anjani Devi	Assistant Professor	chaitanya Bharathi Institute of Technology	panjanidevi_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/091
92	Dr.	S Madhava Reddy	Professor	Mahatma Gandhi Institute of Technology	smadhavareddy_mct@mgit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/092
93	Mrs.	B. Dhanasree	Assistant Professor	KVR GDCWA kurnool	biochemkvr@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/093
94	Mrs.	Shankaraiah Pulipaka	Assistant Professor	GEETHANJALI COLLEGE OF PHARMACY	shankar.pulipaka@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/094



S.NO	Salutation	Name of the Participant	Designation	Name of the Institute/Industry	Email Address	Ref. No.
95	Mrs.	Syeda Romana	Assistant Professor	Muffakham Jah College of Engineering and Technology, Hyderabad	syedaromana@mjclege.ac.in	AICTE/CBIT/MECH/FDP-1/2020/095
96	Mr.	Shaik MahabooB Basha	Research Scholar	Indian Institute of Technology Tirupati	me19d507@iittp.ac.in	AICTE/CBIT/MECH/FDP-1/2020/096
97	Mr.	Jeelani Ahmed	Research Scholar	MANUU Hyderabad	jeelani.jk@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/097
98	Mrs.	Kodakanchi Kalyani	Research Scholar	Osmania University	k_kalyani28@yahoo.com	AICTE/CBIT/MECH/FDP-1/2020/098
99	Mrs.	Malika A Shetty	Assistant Professor	MGM college Udupi	malikashetty10021980@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/099
100	Mr.	T Venkata Ramana	Research Scholar	Yogi Vemana University	ramana2274@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/100
101	Mr.	Md. Alamgir	Assistant Professor	Rajiv Gandhi Memorial College of Engineering and Technology, Nandyal, A.P.	alam.jugnu@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/101
102	Mr.	Zakir Hussain K	Research Scholar	ISLAMIAH COLLEGE (AUTONOMOUS)	zakirh949@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/102
103	Mr.	Mit Patel	Assistant Professor	Silver Oak University	mipatel.me@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/103
104	Dr.	A Padma	Assistant Professor	Chaitanya Bharathi Institute of Technology	padma_maths@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/104
105	Mrs.	B Sandhya	Assistant Professor	Geethanjali College of Pharmacy	bsandhya05@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/105
106	Mr.	Kvin Pavan Kumar	Assistant Professor	SRI VENKATESWARA ENGINEERING COLLEGE, SURYAPET	pavankvln@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/106
107	Mr.	Md Meraj Hasan	Research Scholar	Maulana Azad National Urdu University	meraj_rs@manuu.edu.in	AICTE/CBIT/MECH/FDP-1/2020/107
108	Mr.	Kranthi Kumar	Assistant Professor	Sri Venkateshwara Engineering College	tkranthi@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/108
109	Mr.	B. Shirish	Assistant Professor	Sreenidhi institute of science and technology	shirishb@sreenidhi.edu.in	AICTE/CBIT/MECH/FDP-1/2020/109
110	Dr.	Radha K	Vice Principal	Bhopal Nursing College BMHRC	radha.adn@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/110
111	Dr.	Deepak Kumar Gope	Research Scholar	IIT ISM Dhanbad	dkrg05@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/111
112	Mr.	Jawahar Mamidala	Associate Professor	Jayamukhi Institute of Technological Sciences Warangal Telangana	jawahar.mamidala123@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/112
113	Ms.	Asma Khanam	Associate Professor & Vice-Principal	Anwarul Uloom College of Pharmacy	asmakhanam1906@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/113
114	Dr.	Mohammed Abid Ali	Professor	PSCMR College of Engineering & Technology	dmas786@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/114
115	Mr.	Raghu Thumu	Assistant Professor	Anurg Engineering College	raghu.thumu@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/115
116	Dr.	Md. Aleem Pasha	Associate Professor	Chaitanya Bharathi Institute of Technology, Hyderabad	aleempasha_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/116
117	Mr.	T. N Aditya	Assistant Professor	Chaitanya Bharathi Institute of Technology, Hyderabad	tnaditya_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/117
118	Dr.	Manowar Hussain	Assistant Professor	Chaitanya Bharathi Institute of Technology, Hyderabad	manowar_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/118
119	Mr.	MOHD ABDUL SAJID	Research scholar	Maulana Azad National Urdu University Hyderabad	sajidarfatktl@gmail.com	AICTE/CBIT/MECH/FDP-1/2020/119
120	Mr.	N.Venkateswara Rao	Assistant Professor	Chaitanya Bharathi Institute of Technology, Hyderabad	venkateshwara_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-1/2020/120
121	Mrs.	Nagini Yarramsetty	Assistant Professor	Chaitanya Bharathi Institute of Technology, Hyderabad	y_nagini@yahoo.co.in	AICTE/CBIT/MECH/FDP-1/2020/121

FDP-COORDINATOR

PROFESSOR & HEAD
 Assistant of Mechanical Engineering
 Chaitanya Bharathi Institute of Technology
 A, Hyderabad-500 075, India




CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
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Dr. MD ALEEM PASHA
 Coordinator
 Associate Professor
 Department of Mechanical Engineering
 Chaitanya Bharathi Institute of Technology, Hyderabad

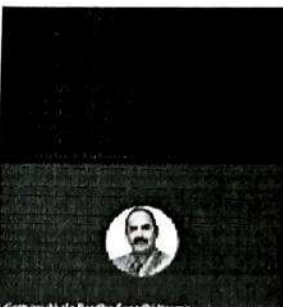


 Smita Sushma Assistant Professor

Chaitanya Bharathi Institute of Technology(A), Gandipet, Hyderabad-75
 Department of Mechanical Engineering

Welcomes
Dr. G. P. Saradhi Varma
 Principal, CBIT





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 G. P. Saradhi Varma

Chaitanya Bharathi Institute of Technology(A), Gandipet, Hyderabad-75
 Department of Mechanical Engineering

Welcomes
Dr. P.V.R. Ravindra Reddy
 Head, M.E. Dept




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 on
Research Methodologies and Statistical Data Analysis
 Phase-I, 16th – 28th November, 2020



P. Reddy

PROFESSOR & HEAD
 Department of Mechanical Engineering
 Chaitanya Bharathi Institute of Technology (A)
 Gandipet, Hyderabad-500 075, Telangana

Chaitanya Bharathi Institute of Technology(A),
Gandipet, Hyderabad-75

Department of Mechanical Engineering

Welcomes

Dr. Md. Aleem Pasha

Assistant Professor
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-75

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on
Research Methodologies and Statistical Data Analysis
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Chaitanya Bharathi Institute of Technology(A),
Gandipet, Hyderabad-75

Department of Mechanical Engineering

Welcomes

Dr. S. Chattopadhyay

Assistant Professor
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-75

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AICTE Sponsored Faculty Development Program (FDP)
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Phase 1: 16th - 28th November 2020



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graph TD
    A[The flow of the algorithm] --> B[Learn Model]
    A --> C[Learn from it]
    A --> D[Test Model]
    A --> E[Evaluate Model]
  
```



S. Chattopadhyay

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana

5

1. Development Environment
2. The MATLAB Mathematical Function Library
3. The MATLAB Language
4. Graphics
5. The MATLAB Application Program Interface (API)

FDK cards Instruments and Film Electrical Outputs

Toolboxes

Stateflow

SIMULINK

Code Generation

FPGA and real-time systems

Desktop Applications Accounted Reports

Tech Epsilon

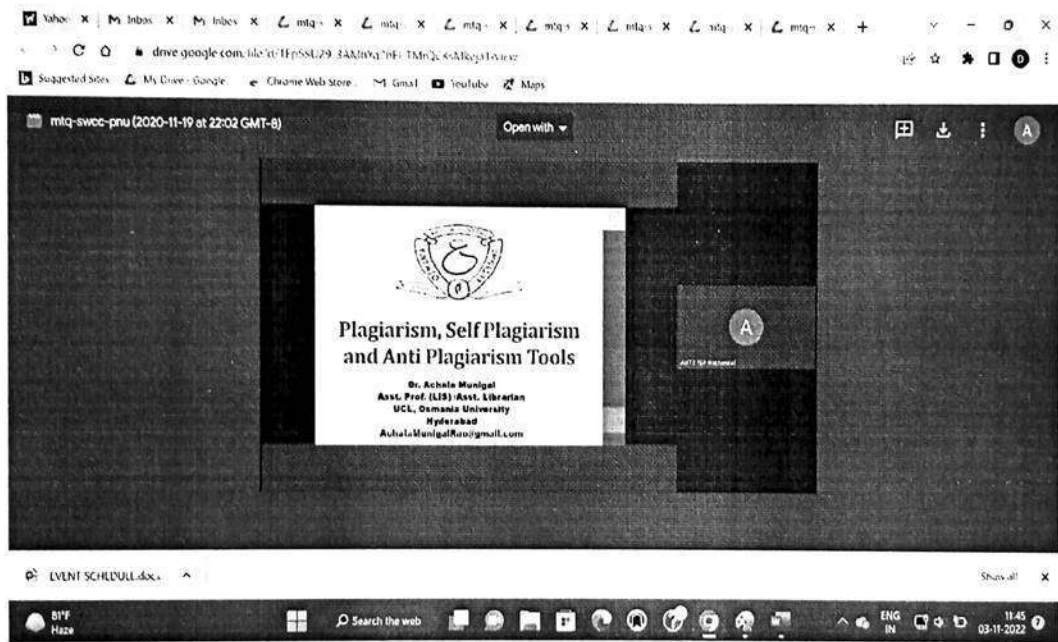
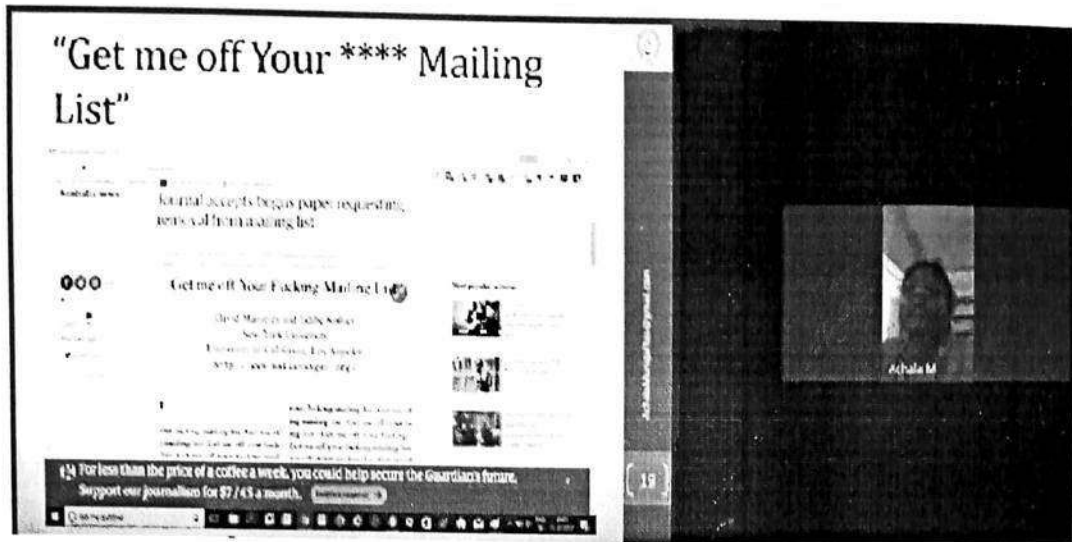
What does all this mean?

ALL teachers must help students become better technical writers so that they will be prepared for the writing they will have to do as successful adults in the workplace.

Research Objective	Appropriate Design
<ul style="list-style-type: none"> To gain background information, to define terms, to clarify problems and develop hypotheses, to establish research priorities, to develop questions to be answered 	Exploratory
<ul style="list-style-type: none"> To describe characteristics of particular material, process, individual or a group. The frequency with which something occurs or its association with something else. 	Descriptive Diagnostic
<ul style="list-style-type: none"> To determine causality, test hypotheses, to make "if-then" statements, to answer questions 	Causal Experimental

November 19, 2020

SRINIVAS MURTHY



Achala

PROFESSOR & HEAD
 Department of Mechanical Engineering
 Chaitanya Bharathi Institute of Technology
 Gandipet, Hyderabad-500 075, Telangana

Very much helpful while working in field of Research

- Forget about your degree
- Forget about your graduation
- Forget about all the expectations your friends or family or people have from you
- Forget about anything that isn't present at the moment and is distracting you

Focus on, what you have to do NOW, think about the next step and how to achieve it

The biggest source of motivation are your own thoughts. So, think big and motivate yourself to win.

"We should not give up and we should not allow the problem to defeat us."

— J.P. Narayan



TYPE-I & TYPE-II ERRORS

JUDGMENT

	Not Guilty (N)	Guilty (G)
TRUTH	Correct Decision (α)	Type I Error (α)
	Type II Error (β)	Correct Decision (β)



You are presenting

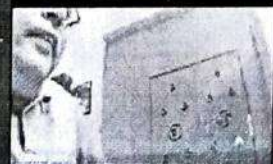
You're presenting to everyone

Stop presenting

ACITE FOR Mechanical

Ind.D.Nagaraj Venkatar...

ACITE FOR Mechanical



P. Reddy

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology
Campus, Hyderabad - 507 102, Telangana

The two function of a patent document

- A patent document - whether a published patent application or a granted patent - serves two distinct functions.
 - it discloses / describes an invention
 - it defines the scope of the legal monopoly

According to the national law of most countries a patent application must disclose the invention in a manner sufficiently clear and complete for the invention to be reproduced by a person skilled in the specific technical field
 in some countries, patent law requires that the inventor discloses the « best mode » for practising the invention

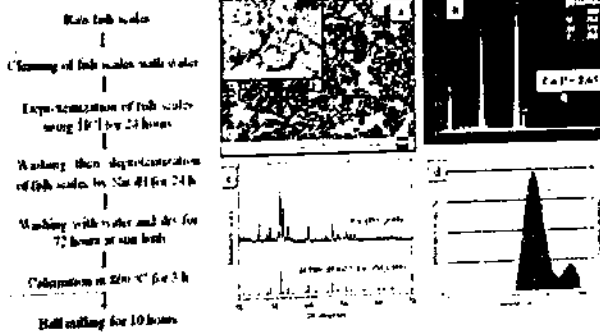
Writing is an hybrid between
 • Technical and scientific
 • Juridical



Dr. Phadnis, Dr. Kulkarni, Dr. Patil

63

Bio Materials Characterization



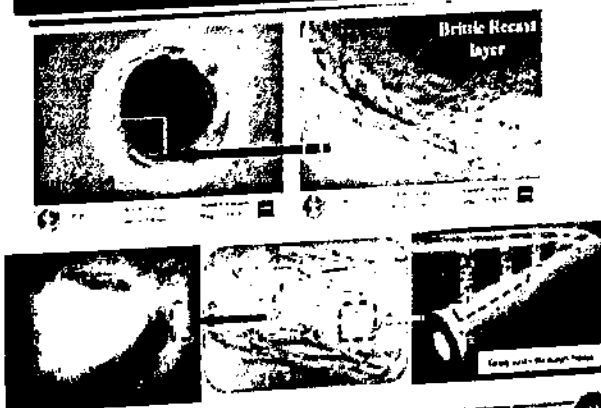
Source: [unclear] 2018



Manisha Ravi Sankar

Manisha Ravi Sankar (MRS) Lab: IIT Tirupur

Where researchers some times don't focus




Manisha Ravi Sankar

Manisha Ravi Sankar (MRS) Lab: IIT Tirupur

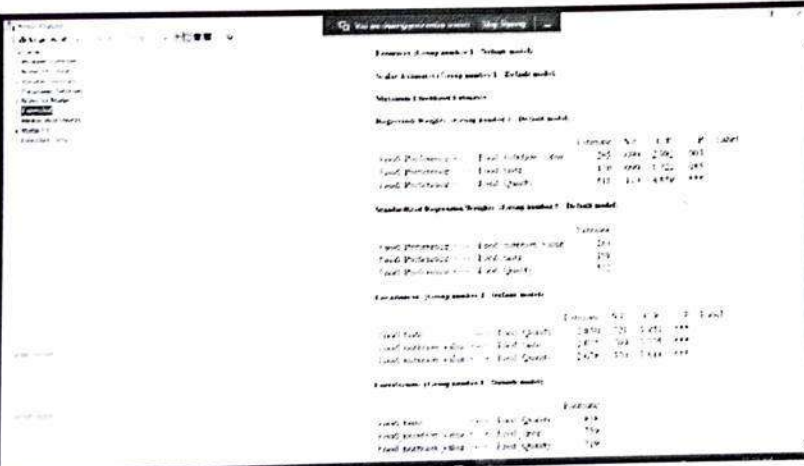
Phadnis

Pre-requisites of SPSS...

- SPSS will not teach you statistics
- SPSS will not guide you in selecting the appropriate statistical technique for analysing the data
- Learning statistics is easy
- Understanding the statistical tests are needed not the formulae's



Anand Kumar K. Marth




Regression Statistics

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.999	.999	.999	1.722

ANOVA


Model	Sum of Squares	df	Mean Square	F	Sig.
1	245.889	1	245.889	17.022	.000
Total	246.000	2			
Error	1.111	1	1.111		.293




G. H. Satish Kumar

Types of 3D response surfaces


Maximum




Minimum



Stationary Ridge

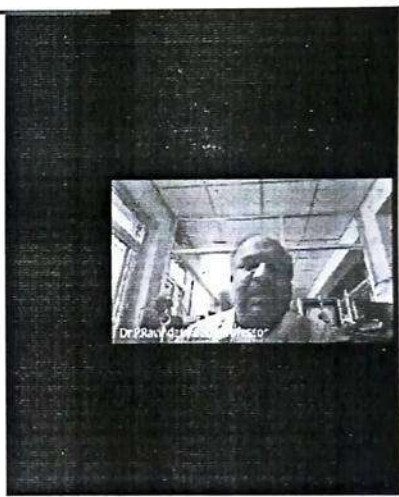




Yamu Krishna P

steady

PROFESSOR & HEAD
Department of Mechanical En
Chaitanya Bharathi Institute of
andipet, Hyderabad-50


Reddy

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana

CHIEF PATRON

Kavi Kireeti Dr. V MALAKONDA REDDY
President, CBIT

PROGRAM MONITORING COMMITTEE (PMC)

Prof. G. P. SARADHI VARMA (Chairman)
Principal, CBIT

Prof. P. RAVINDER REDDY (Subject Expert)
Dept. of Mechanical Engineering

Prof. P.V.R. RAVINDRA REDDY (Member)
Head, Dept. of Mechanical Engineering

Prof. D. KRISHNA REDDY (Member)
Head, Dept. of ECE

Dr. Md. ALEEM PASHA
(Coordinator-FDP & Member Secretary-PMC)
Assoc. Prof., Department of Mechanical Engg.

CO-COORDINATORS

Mr. T. N. ADITYA
Asst Professor, Dept. of Mechanical Engineering
Email: tnaditya_mech@cbit.ac.in.
☎+91-7569798811.

Dr. MANOWAR HUSSAIN
Asst Professor, Dept. of Mechanical Engineering
Email: manowar_mech@cbit.ac.in.
☎+91-8271823853.

Registration Fee

Free

IMPORTANT DATES (Phase - I)

Last date for Registration : 12-11-2020

Intimation of selection : 14-11-2020

IMPORTANT DATES (Phase - II)

Last date for Registration : 10-12-2020

Intimation of selection : 12-12-2020

HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

A test will be conducted at the end of the program and joint certificates shall be issued (by AICTE & conducting institute) to those participants who have attended the program and have scored minimum 60% marks in the test.

REGISTRATION LINKS

Phase - I

<https://forms.gle/vYqQmCTs3VSEBvL29>

Phase - II

<https://forms.gle/YYDh8V293kRHUXNk6>

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology
Dandamra, Hyderabad-500082

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CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (CBIT)
Kavali Vengal Rao Nagar, Hyderabad - 500 082, India
www.cbit.ac.in

CEMBA
COUNCIL OF
ENGINEERING
MEDIATION AND
REGULATION

41
2020



AICTE – Sponsored TWO-WEEK ONLINE FACULTY DEVELOPMENT PROGRAM (FDP)

on

RESEARCH METHODOLOGIES AND STATISTICAL DATA ANALYSIS

Phase – I: 16th – 28th November, 2020

Phase – II: 14th – 26th December, 2020

Organized by

DEPARTMENT OF MECHANICAL
ENGINEERING



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(Autonomous)

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institute in INDIA, in Telangana State. The Institute offers Eleven UG and Eleven PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous Status from the Academic Year 2013-14 onwards.



ABOUT THE DEPARTMENT

The Department of Mechanical engineering, CBIT is offering 2 under graduate courses; Mechanical Engineering and Production Engineering with an intake of 120 and 60 respectively and Two PG programs in CAD/CAM

and Thermal Engineering domains. The department has 46 faculty members out of which 16 are PhDs. The department is growing exponentially in terms of R&D and consultancy. In the last 3 years 7 R&D sponsored projects of worth Rs. 98 lakhs were awarded to the department, 4 patents were published and 2 patents were filed, 22 works shops and 2 FDPs were organized, under the guidance of department faculty 15 PhDs were awarded and two were submitted. The Department is well equipped with all state-of-the-art equipment's, Laboratories & workshops providing all necessary facilities to the students. The Hexagon Capability Center India has opened Innovation laboratory in the premises of the CBIT. The lab has been equipped with hardware and a software worth Rs.6.50 Crore. B.E Mechanical Engineering Production Engineering and M.E CAD/CAM Programmes were accredited by NBA

ABOUT THE FDP

The objective of this programme is to emphasize on broad range of techniques available in both research process and data analysis for academicians, practitioners and researchers from interdisciplinary Domains. This FDP will provide an opportunity to the participants to share their experience and knowledge.

COURSE CONTENT

- Introduction to research Methodology
- Successful Literature search and Review
- Problem Identification and Literature review

- Research Philosophy and design
- Publication Ethics
- Writing Research Papers using Latex
- Scientific Journal Finder
- Indexing and Impact factors
- Effective Report Writing
- Referencing Tools
- Patent, copyright and Plagiarism.
- Creating research profile and Collaborations
- Sampling and data collection
- Data Analysis
- Hypothesis formulation
- Design of Experiments
- Different Optimization techniques
- Optimization using Genetic Algorithm
- Various univariate data analysis (T-test and ANOVA, etc)
- Various multivariate data analysis (Correlation, regression, multi regression and logistic regression, etc)
- Problem Validation
- MAT Lab
- Basics of SPSS and Data handling
- Minitab software
- Case Studies
- Data Analytics using Python

RESOURCE PERSONS

Faculty from IIT'S, NIT'S, Universities, CBIT and other reputed institutions. Scientists and industry experts from reputed Organizations/ Industries.

TARGET GROUP

Faculty members of the AICTE approved institutions, Research Scholars and Industry persons can register. Selected participants will be informed through mail. Selection is based on first-come-first-serve basis.

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Bandipet, Hyderabad-500 075, Telangana

Report submitted to AICTE
on
AICTE Sponsored Two Week FDP on Research Methodologies and Statistical
Data Analysis

AICTE sponsored Two-week FDP program on “Research Methodologies and Statistical Data Analysis” under AQIS 2019-20 grant was sanctioned during the financial year 2020-21. As per AICTE file No. 34-67/61/FDC/FDP/P-1/2019-20 dated 30-July 2020, Rs- 489533/- ((Four Lakhs Eighty-Nine Thousand Five Hundred and Thirty-Three Only) grant was released to conduct two-week faculty development program under AQIS 2019-20 through contact mode by the AICTE during the financial year 2020-21. Due to COVID-19 pandemic situations AICTE allowed to conduct FDP through online mode in multiple phases.

A Two-week online FDP on Research Methodologies and Statistical Data Analysis was organized in TWO Phases. First Phase was organized during 16th to 28th November 2020. Second phase was organized during 14th-26th December 2020. A total of 208 candidates were registered for the Phase-1, out of which 198 eligible candidates were shortlisted. According to AICTE instructions, The PEC decided that 80% minimum attendance and 60% marks in the test as the eligibility criteria for the award of participation e-certificates. 134 candidates were attended for the program, 121 candidates satisfied the criteria and were awarded the e-certificates.

A total of 232 candidates were registered for the Phase-2, out of which 220 eligible candidates were shortlisted. 75 candidates were attended for the program, 73 candidates were satisfied the criteria and were awarded the e-certificates.

As part of the program, in each phase 34 sessions are organized excluding inaugural and valedictory. Each day Three sessions are organized from morning 9:30 AM to 4:00 PM. Eminent people from IITs, NITs, IIIT, University’s and top affiliated college and industry are drawn for delivering lectures and were well received by the participants. Various topics and software’s on Research Methodologies and Statistical Data Analysis are covered. The feedback from the participants shows that they were immensely benefitted from the Programme.


PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana

An amount of Rs. 489533/- was sanctioned out of which Rs.3,72,000 was spent on the conduct of the program and the remaining amount 1,17,533 is being returned to AICTE.

Phase-1		Phase-2	
Registered	208	Registered	232
Shortlisted Candidates	198	Shortlisted Candidates	220
Attended	134	Attended	75
Awarded with e-Certificate	121	Awarded with e-Certificate	73



PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075. Telangana

AICTE Sponsored Two Week FDP on

Research Methodologies and Statistical Data Analysis (Phase-2)

14-26 December 2020

List of Participants successfully completed the program Phase-2 FDP Certificate List

S.NO	Salutation	Name of the Participant	Designation	Name of the Institute/Industry	Email Address	Reference . No.
1	Ms.	Vinita	Assistant Professor	Kishan Lal Public College, Rewari	vini252011makkar@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/001
2	Ms.	I.Bhavya Swathi	Research Scholar	VIGNAN Deemed to be University, Guntur	bhavyaswathi@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/002
3	Mr.	Indrajit Das	Research Scholar	NEHU Tura Campus, Megalaya, Tura	ijdranjitdas@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/003
4	Dr.	Balasubramanian R	Assistant Professor	Xavier University, Bhubaneswar	bala@xub.edu.in	AICTE/CBIT/MECH/FDP-2/2020/004
5	Mr.	Pradeep Kumar S	Assistant Professor	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi	pradeepkumars@veltech.edu.in	AICTE/CBIT/MECH/FDP-2/2020/005
6	Dr.	P.Durga Bhavani	Associate Professor	Amrita sai institute of science and technology , Paritala	asist0248t@amritasai.org.in	AICTE/CBIT/MECH/FDP-2/2020/006
7	Ms.	Vanita M Lasan	Assistant Professor	L.M.COLLEGE OF PHARMACY, AHMEDABAD	vanita.lasan@lmcp.ac.in	AICTE/CBIT/MECH/FDP-2/2020/007
8	Ms.	Anbulakshmi S	Assistant Professor	Sree vidyanikethan engineering college, Tirupati	anbulakshmisvec@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/008
9	Mr.	M Shanmuka Srinivas	Research Scholar	INDIAN INSTITUTE OF TECHNOLOGY ,TIRUPATI	mshanmukasrinivas@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/009
10	Mr.	P Surender Reddy	Assistant Professor	Chaitanya Bharathi Institute of Technology , Hyderabad	surenderreddy_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/010
11	Ms.	Ashwini Sindhe	Research Scholar	Gulbarga university, kalaburgi	AshwiniSindhe.as1995@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/011
12	Mr.	Sanjaya	Research Scholar	Gulbarga University, Kalaburagi	sanjaybpawatj@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/012
13	Mr.	Yadaiah Balagani	Assistant Professor	MGIT, Hyderabad	byadaiah_cse@mgit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/013
14	Mr.	Rangajalu Basumatary	Assistant Professor	Bodoland University, Kokrajhar	rangajalubasumatary38194@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/014
15	Dr.	Uday Kumar	Assistant Professor	BCET, Durgapur	kumaruday2404@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/015
16	Dr.	Ravi Chowdary	Professor	Sri	ravichowdary99947@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/016
17	Mr.	Suresh Redditha	Assistant Professor	Cadets training wing, MCEME , Secunderabad	rkvasuresh@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/017
18	Dr.	K.Lenin	Professor	Prasad V Potluri Siddhartha institute of technology, Vijayawada	gklenin@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/018
19	Dr.	Yesha Tomar	Assistant Professor	HNB Garhwal University, Srinagar Garhwal	Yeshatomar@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/019

S.NO	Salutation	Name of the Participant	Designation	Name of the Institute/Industry	Email Address	Reference . No.
20	Mr.	Tanveer Ahmad Lone	Phd Research Scholar	Maulana Azad National Urdu University, Hyderabad	lonetanveeramu@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/020
21	Mr.	Praveen Mathangi	Assistant Professor	Sri Venkateswara Engineering College, Suryapet	mpraveen.mechsrstist@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/021
22	Dr.	Lakshmi	Professor	Sri venkateshwara, Bangalore	a2zslakshmi@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/022
23	Dr.	Sudhir Kumar Tiwari	Assistant Professor	SNS.Govt.P.G.College Narayan Nagar, Pithoragarh	sudhir.kumar.tiwari.skt@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/023
24	Ms.	Aishwarya Tomar	Research Scholar	HNB Garhwal University, Srinagar Garhwal	ashweryatomar@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/024
25	Mr.	Jawahar Mamidala	Associate Professor	Jayamukhi institute of technological Sciences warangal, Telangana	jawahar.mamidala123@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/025
26	Mr.	Mohd Abdul Moiz	Research Scholar	Maulana Azad National Urdu University, Hyderabad	mamoiz786@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/026
27	Dr.	Pankaj Kumar	Assistant Professor	SR University, Warangal	pankajkumar@sru.edu.in	AICTE/CBIT/MECH/FDP-2/2020/027
28	Mr.	V. Jaipal Reddy	Assistant Professor	Chaitanya Bharathi Institute of Technology (A), Hyderabad	vjaipalreddy_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/028
29	Mr.	Gagandeep Singh	Assistant Professor	Lovely Professional University	gagandeep.15831@lpu.co.in	AICTE/CBIT/MECH/FDP-2/2020/029
30	Mr.	Janak Suthar	Assistant Professor	St. John College of Engineering and Management	jksuthar@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/030
31	Mrs.	Syeda Romana	Assistant Professor	Muffakham Jah College of Engineering and Technology, Hyderabad	syedaromana@mjccollege.ac.in	AICTE/CBIT/MECH/FDP-2/2020/031
32	Dr.	Md. Aleem Pasha	Associate Professor	Chaitanya Bharathi Institute of Technology (A), Hyderabad	aleempasha_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/069
33	Mr.	T. N Aditya	Assistant Professor	Chaitanya Bharathi Institute of Technology (A), Hyderabad	tnaditya_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/070
34	Dr.	Manowar Hussain	Assistant Professor	Chaitanya Bharathi Institute of Technology (A), Hyderabad	manowar_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/071
35	Dr.	Dr. N. V. Srinivasulu	Professor	Chaitanya Bharathi Institute of Technology (A), Hyderabad	nvsrinivasulu_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/072
36	Dr.	Dr P Prabhakar Reddy	Professor	Chaitanya Bharathi Institute of Technology (A), Hyderabad	prabhakarreddy_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/073
37	Mr.	Md. Alamgir	Assistant Professor	Rajiv Gandhi Memorial college of Engineering and Technology, Nandyal, kurnool dist.	alam.jugnu@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/032
38	Mr.	V Rajesh Kumar	Research Scholar	Annamalai University, Chidambaram (nativ-kurnool)	v.rajeshkumar.b.m.pharma@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/033
39	Mr.	Pranav R	Research Scholar	Osmania University College of Engineering, Hyderabad	pranavturbokat91@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/034

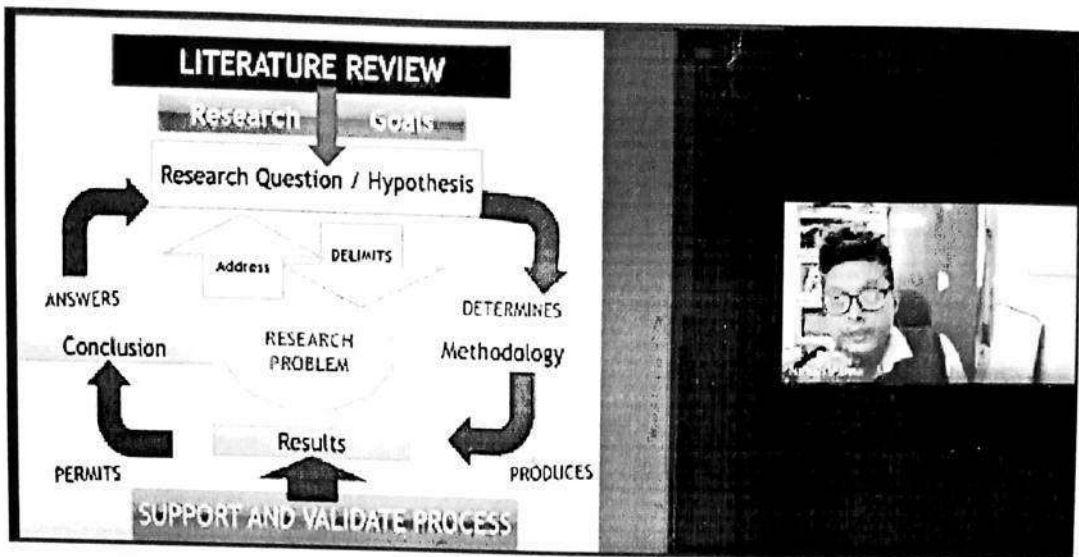
S.NO	Salutation	Name of the Participant	Designation	Name of the Institute/Industry	Email Address	Reference . No.
40	Dr.	Dr Jinali M. Amin	Sr Lecturer	L.M.COLLEGE OF PHARMACY, AHMEDABAD	jinurx@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/035
41	Mr.	Mohd Arfath Khan	Assistant Professor	Gitam, Hyderabad	mkhan2@gitam.edu	AICTE/CBIT/MECH/FDP-2/2020/036
42	Dr.	Suman Lata	Assistant Professor	Rayat-Bahra University, Mohali, Punjab	chem123ssh@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/037
43	Dr.	Naresh Kumar Tallapalli	Associate Professor	Department of Business Management, CMR Technical Campus, Hyderabad	naresh.mhbd@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/038
44	Dr.	Pravallika Akula	Assistant Professor	Dept.of Management Studies,UCC&BM,Mahatma Gandhi University, Nalgonda	pravallika.akula86@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/039
45	Ms.	Mital Thakkar	Assistant Professor	Department of Management, Sumandeep Vidyapeeth, Vadodara	mital_thakkar87@yahoo.co.in	AICTE/CBIT/MECH/FDP-2/2020/040
46	Dr.	Hariharan Perumal	Assistant Professor	PSG College of Technology, Coimbatore	phh.bio@psgtech.ac.in	AICTE/CBIT/MECH/FDP-2/2020/041
47	Mr.	Nikhil Yadav	Assistant Professor	WOMEN ENGINEERING COLLEGE, AJMER	nikhilyadav@gweca.ac.in	AICTE/CBIT/MECH/FDP-2/2020/042
48	Ms.	Logeswari G	Teaching Fellow	College of Engineering Guindy, Anna University, Chennai	logeswarig4@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/043
49	Mr.	Sumit Arora	Research Scholar	IIT, Delhi	contactsumitnow@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/044
50	Mr.	Rumit Kumar Sahu	Assistant Professor	ITM University, Raipur	rumitkumar111@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/045
51	Dr.	Ramesh Kumar	Assistant Professor	Koshi College, Khagaria-Munger University, Munger, Khagaria	rameshkumar2020eco@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/046
52	Mrs.	Lijetha C Jaffrin	Assistant Professor	Veltech Rangarajan Dr.Sakunthala R&D Institute of Science and Technology, chennai	lijethacjaffrin@veltech.edu.in	AICTE/CBIT/MECH/FDP-2/2020/047
53	Mrs.	Nair Reeta Shivashankaran	Research Scholar	Ct University, Ludhiana,Punjab	reetanair9@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/048
54	Dr.	Mukesh N. Kher	Assistant Professor	L. M. College of Pharmacy, Ahmedabad, Gujarat.	mnkher318@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/049
55	Ms.	Shilpa Chaudhary	Assistant Professor	Jalandhar	shilpa.170913@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/050
56	Mr.	S Tulasi Ram	Assistant Professor	Chaitanya Bharathi Institute of Technology	tulasiram_sms@cbit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/051
57	Dr.	R.Gomathi	Assistant Professor	University College of Engineering Dindigul Campus, Hyderabad	gomathiaudece@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/052
58	Dr.	Dusanapudi Satyanarayana	Professor	Vignan's Foundation for Science,Technology and Research (Deemed to be University), Guntur	dsatya2312@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/053
59	Mr.	Saju A	Research Scholar	Bangalore Institute of Technology, Bangalore	link2saju@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/054

S.NO	Salutation	Name of the Participant	Designation	Name of the Institute/Industry	Email Address	Reference . No.
60	Mr.	Farooque Alam	Research Scholar	Aligarh Muslim University, Aligarh	farooque.alam11@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/055
61	Mrs.	Mamatha Rani Ravula	Degree Lecturer in Chemistry	TSWRDC (W) Mahabubabad, Kakatiya university, Mahabubabad	mamatharani.chem@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/056
62	Mr.	Chintireddy Sharath Reddy	Assistant Professor	Chaitanya Bharathi Institute of Technology (A), Hyderabad	csharathreddy_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/057
63	Mr.	B.Ramji	Assistant Professor	Sri Venkateswara Engineering College, Suryapet	ramji143@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/058
64	Mr.	U Phani Vivek	Assistant Professor	Mahatma Gandhi Institute of Technology, Hyderabad	uphanivivek_mct@mgit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/059
65	Ms.	Divya Preetha	Research Associate	Vellore Institute of Technology, Chennai Campus	jesusdiv18@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/060
66	Ms.	Peri Sree Prabha	Assistant Professor	ITM University, Raipur	prabha.etc@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/061
67	Mr.	Atchutuni Vs Ravi Sai Nadh	Assistant Professor	KVSR SIDDHARTHA COLLEGE OF PHARMACEUTICAL SCIENCES, VIJAYAWADA	a2zravisai@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/062
68	Mr.	Rishibrind Kumar Upadhyay	Research Scholar	Indian Institute of Technology (BHU), Varanasi	rishibrindku.rs.ece17@iitbhu.ac.in	AICTE/CBIT/MECH/FDP-2/2020/063
69	Mr.	Mabasha Shaik	Assistant Professor	Bapatla Engineering College, Bapatla	mabashapec@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/064
70	Mrs.	Varimadugu Sandhya	Assistant Professor	Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad	vsandhya_mech@cbit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/065
71	Mr.	Swagat Dwibedi	Assistant Professor	VSSUT, Burla, Sambalpur	swagatsudhadwibedi@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/066
72	Ms.	Kaleru Aparna	Assistant Professor	JNTUH College of Engineering Sultanpur, Sangareddy	kaleru.aparna@gmail.com	AICTE/CBIT/MECH/FDP-2/2020/067
73	Dr.	Reddy	Assistant Professor	CBIT, Gandipet, Hyderabad	shravankumar_physics@cbit.ac.in	AICTE/CBIT/MECH/FDP-2/2020/068

Reddy

FDP-Coordonator

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana



6

- ▶ Here, we provide an introduction to the h-index.
- ▶ We give typical values of this index for academic physicians at different ranks as well as for a group of Nobel Prize-winning biomedical scientists.
- ▶ The advantages and drawbacks of the h-index will be discussed, as will several alternative indices that attempt to improve upon it.
- ▶ This review will be especially useful for pathologists and clinical laboratory scientists who work in an academic hospital or university department.
- ▶ It will help readers to manage their own careers and to ensure that the system is equitable for everyone.



JOB MARKET

Tattoo, Bling Craze Raises Hiring Issues

A decade ago, most job search authorities would have said showing off tattoos and body piercings is a surefire way to get your resume placed in the "No Way" pile. However, times have changed. With some surveys indicating that more than one-third of young people now sport tattoos and other forms of body art, John A. Challenger, chief executive officer of the global outplacement firm Challenger, Gray & Christensen, Inc., Chicago, feels that companies will be forced to become more accepting.

"Some employers are already having trouble finding skilled workers—they are not going to let some body art get in the way of hiring the best qualified candidate. Plus, as a growing number of employers recognize the benefits of diversity in all its forms and are embracing the unique attributes that make people stand out from the crowd," notes Challenger.

At one time, the issue of tattoos and body piercings in the job interview or workplace would have been nonexistent unless the job was with a punk rock band. However, body art is going main-

stream among young people. One study by the Mayo Clinic found that 25% of university students had one to three tattoos, and 51% had one or more piercings (other than women's earlobes). A Harris interactive poll found that 36% of 25- to 29-year-olds have tattoos, compared to 16% of Americans at all ages.

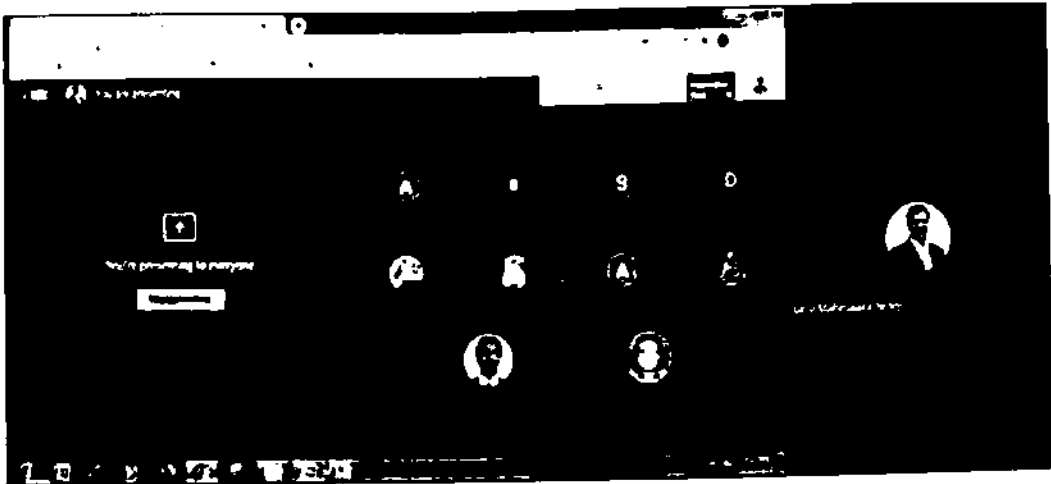
"Most tattoos are hidden, but some are prominently displayed on people's forearms, necks, and backs," notes Challenger.

Body piercings can be anywhere, as a job seeker, you have to judge whether the employer you are interviewing with is going to be accepting of your body art. If that is not the case, and that is where you really want to work, then you will have to make an effort to conceal your tattoos and take out your piercings.



"The best way to determine if body art is acceptable is by asking someone, preferably not the person you are to meet. However, if you know someone else at the company or if you have established rapport with a secretary or receptionist,



Shrestha



Effective Thesis Writing





Pappula LAXMINARAYANA
 Dept. of Mechanical Engg.
 University College of Engg. - JNTU
 Hyderabad

HYDERABAD

Scope

- Overview of intellectual property
- What is a patent?.
- How Good Must Your Invention Be.
- The Basic Patent Right
- Precautions to be taken before drafting a specification
- Contents (kind) of patent specifications
- Drafting the patent (description and claims).
- Claims and their interpretation



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PROFESSOR & HEAD
 Department of Mechanical Engineering
 JNTU Institute of Technology, Al
 Hyderabad-500 075, Telangana

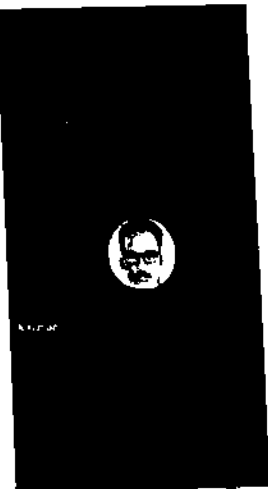
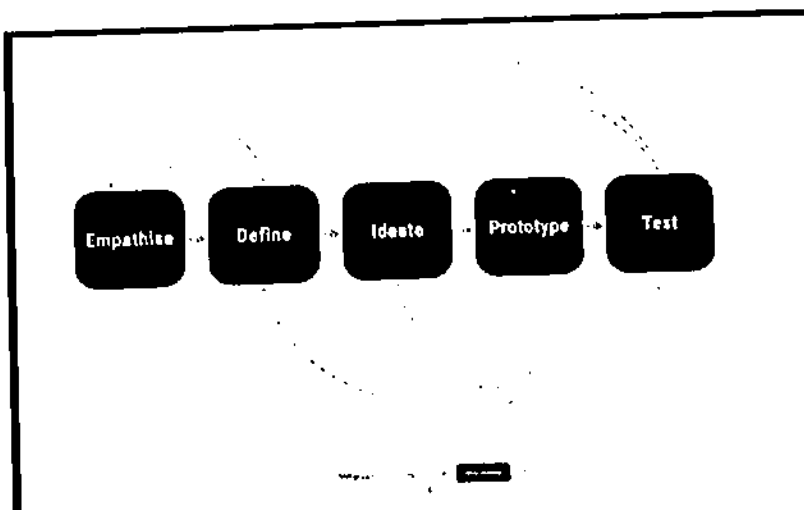
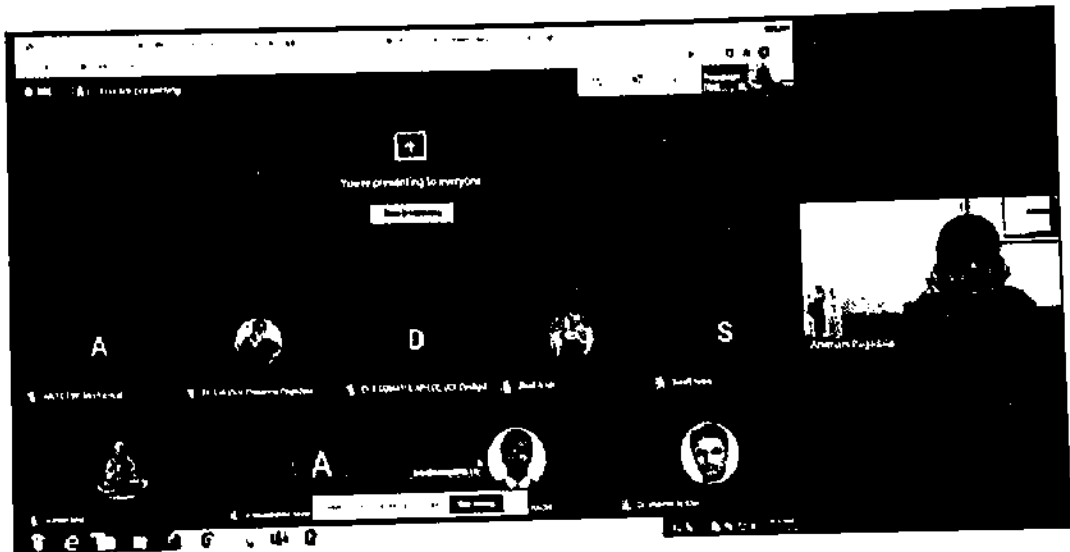
Grey Relational Analysis

- 1 Grey Relational Analysis (GRA) was developed by a Chinese Professor Julong Deng of Huazhong University of Science and Technology.
- 2 GRA uses a specific concept of Information.

System with no information	Black
System with partial information	Grey
System with complete information	White



Amrinder Singh



Amrinder Singh

PROFESSOR & HEAD
Department of Mechanical Engineering
Jawahar Institute of Technology &
Hyderabad-500 075, Telangana

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23

What Makes a Good Paper/thesis



• **Good Paper/thesis = good content + writing skills**

Content and results: your job

• **Writing skills: Structure, flow, argument, ...**

Logical, clear, succinct, consistent, ...

English

• **Standard must be high**

Your best efforts

Compared with others, yours is better



What is the difference between SPSS Base and Standard?

Base offers a variety of common analytics capabilities. **Standard** offers the essential statistical procedures you need to increase the reliability of your analysis and reach more accurate conclusions.

Standard includes **Base** plus regression, advanced statistics, custom tables and modules.



Prasad

PROFESSOR & HEAD
Department of Mechanical Engineering
Bhanubhai Institute of Technology (A)
Waranpet, Hyderabad-500 075, Telangana



The Institution of Engineers (India)

TELANGANA STATE CENTRE

in Association with
Department of Mechanical Engineering



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INSTITUTE OF TECHNOLOGY (A)**
Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



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**ONE DAY WORKSHOP
ON
SMART MANUFACTURING: CONNECTED FACTORIES**
on 17th JUNE 2021 (9.30AM to 1.30PM)
(Through ZOOM Cloud Meeting APP)

Meeting ID: 976 4678 3105

Passcode: ieitsc

For Registration, please click: <https://forms.gle/tsFZkahjWDocSWac6>

Contact: 9491377882, email: gurubrahmam_mech@cbti.ac.in

INTRODUCTION:

The Institution of Engineers (India), Telangana State Centre in Association with Department of Mechanical Engineering, CBIT is organizing a one-day workshop on “**SMART MANUFACTURING: CONNECTED FACTORIES**” on June 17th, 2021 at 0930 hrs to 1330 hrs through ZOOM Cloud Meeting App.

ABOUT THE WORKSHOP:

Manufacturers are now facing unprecedented challenges of complexity and growth while connected technology, often known as Industry 4.0 or Industrial IoT, brings the possibility of building the ‘Digital Factory’: an industrial facility where all products, personnel, raw materials, machines and processes are being connected.

In this Digital era, where managers are expected to use real-time data to continually optimize production operations and achieve higher levels of efficiency, factory executives are exposed to extraordinary levels of complexity and competitive pressures.

The Evolution of Connected Factories:

A paradigm shift is clearly visible in the manufacturing scenario during the last two centuries. Various manufacturing strategies including mass production, flexible manufacturing, agile manufacturing, lean manufacturing, reconfigurable manufacturing, predictive manufacturing, cyber manufacturing and mass customization have been introduced to drastically improve the productivity, quality, variety and cost reduction. Customized functionality, high quality, affordable cost, high reliability, and environmentally friendly products are driving the changes in the manufacturing industry. These changes are realized mostly by enabling technologies like Internet of Things, Advanced Sensors, Artificial Intelligence, Industrial Big Data, Virtual and Augmented Reality, Adaptive Machine Learning, Cyber physical Systems etc., Rapid advances in material science, advances in machine tools and metrology, automation, robotics, optics and mechatronics among others are driving transformational change in the manufacturing technologies to meet the increasingly challenging demands of the future.

Benefits of a Connected Factory:

The benefits of a connected factory are not only contained to the production process itself. For example, shorter lead times increase customer satisfaction who are receiving product on time or even early. Advantages of a connected factory include:

Higher Productivity- Since smart factories can operate 24/7 and have lower direct labor costs, there is a large investment savings.

Increased Flexibility- Smart factories are designed for different manufacturing configurations and demand fluctuation. This provides optimal operation flexibility.

Better Safety- Automation of tasks such as sorting, picking, packing, transporting, and delivering allows for humans to concentrate on safer tasks.

Better Quality- A connected factory can detect quality issues faster and can identify the reason for them.

Lower Cost-Optimization leads to more cost-efficient processes, including inventory control, better hiring decisions, and improved sourcing of needs.

FOCUS AREAS:

- Introduction to Smart Manufacturing.
- Digital Manufacturing: Industry 4.0
- Core Tools/Technologies needed to implement a Connected Factory
- Industrial Internet of Things(IIoT)
- Advanced Sensors, Collaborative Robots(Cobots)

ORGANIZING COMMITTEE:

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Prof G P S Varma
Principal, CBIT, Hyderabad

Er T Anjaiah, FIE
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Former Principal Director, CITD

Convener & Speaker: **Dr G Chandra Mohan Reddy, FIE**
Professor of Mech Engg, CBIT & Former Principal
Past Hon Secretary & Member IEL, TSCC

Guest Speaker: **Dr Srin Perla**
Global Head - Technical Training
CYIENT, Hyderabad

Co-Convener: **Er K. Gurubrahman**
Assistant Professor, MED, CBIT

Note: Registration Compulsory to attend the workshop. Participation Certificate will be provided to those who register and attend all the sessions of the program.

Timestamp	Email Address	Name	Student/Faculty	Name of college	Department	Contact no.
6/17/2021 12:29:07	dileep.kotte@kluniversity.in	DILEEP KOTTE	Faculty	K L University	Mechanical Engineering	9160143333
6/17/2021 12:29:24	tnvlkumar@gist.edu.in	Dr.TNVLN.Kumar	Faculty	Geethanjali Institute of Science and Technology Nellore	EEE	9246422864
6/17/2021 12:29:40	sharma.gvss@gmrit.edu.in	Dr. G.V.S.S. Sharma	Faculty	GMR Institute of Technology	Mechanical Engineering Department	9949617264
6/17/2021 12:29:52	sujeetsoundattikar@gmail.com	Sujeet Ashok Soundattikar	Faculty	DKTE's, Textile and Engineering Institute, ichalkaranji	Mechanical	9850084663
6/17/2021 12:30:16	pshashidar_mct@mgit.ac.in	PEDDIREDDY SHASHIDAR	Faculty	MAHATMA GANDHI INSTITUTE OF TECHNOLOGY	Mechanical Engineering	7095843401
6/17/2021 12:30:21	nagaveni.t@uceou.edu	Dr Nagaveni T	Faculty	University College of Engineering, Osmania University, HYDERABAD	Mechanical Engineering	9966998860
6/17/2021 12:30:42	pavanaries2010@gmail.com	PAVAN KUMAR THIMMARAJU	Faculty	Nalla Narasimha Reddy Education Society's Group of Institutions	Mechanical Engineering	9866754820
6/17/2021 12:30:46	rajendher.raj@gmail.com	RENIGUNTA RAJENDHER	Faculty	Mahaveer Institute of Science and Technology	Aeronautical Engineering	8790766877
6/17/2021 12:31:20	ksirisha_mct@mgit.ac.in	Kalahasti Sirisha	Faculty	Mahatma Gandhi Institute of Technology , Hyderabad	Mechanical Engineering	9494615019
6/17/2021 12:31:21	pavan.damera0334@gmail.com	DAMERA PAVAN KUMAR	Faculty	Ratnapuri institute of technology College of Polytechnic	Mechanical Engineering	9133523535
6/17/2021 12:31:23	prkprasad22@gmail.com	Rajendra Krishna Prasad Peddi	Faculty	PRK Engineering Services	Manufacturing Services	9966697674
6/17/2021	pvenkataramana_mct@mgit.ac.in	P.Venkata Ramana	Faculty	Mahatma Gandhi Institute	Mechanical	9848025631

12:31:27			of Technology	Engineering		
6/17/2021 12:31:46	nagakondaiah@gmail.com	Palliboina naga kondaiah	Faculty	Geethaanjali inistute of science and technology	Electrical Mechanical Engineering	7661886553 9827115986
6/17/2021 12:31:58	shailesh8484@gmail.com	Shailesh Singh Thakur	Faculty	Kalinga University K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY	MECHANICAL ENGINEERING	9944153338
6/17/2021 12:32:15	vpantrajkumar@gmail.com	T RAJKUMAR	Faculty	PSCMR College of Engineering and Technology	Mechanical Engineering	9949143060
6/17/2021 12:32:23	malavika103@gmail.com	N.V.MALAVIKA	Faculty	Ratnapuri institute of technology and college of polytechnic	Mechanical engineering	9618488498
6/17/2021 12:32:23	Narsimulun123@gmail.com	Narsimulu Neerudi	Faculty	Vasireddy Venkatadri Institute of Technology	Mechanical Engineering	+91- 8019122596
6/17/2021 12:32:45	sitaramreddy321@gmail.com	K.SITARAM REDDY	Faculty	Mahatma Gandhi Institute of Technology	Mechanical Engineering	9963903196
6/17/2021 12:32:47	ksantoshkumar_mct@mgit.ac.in	K Santosh Kumar	Faculty	Geethanjali Institute of Science and Technology	Electrical and Electronics Engineering	9133076655
6/17/2021 12:32:53	0206ravi@gmail.com	Dr THUMMALA RAVIKUMAR	Faculty	Gokaraju Rangaraju institute of Engineering Technology	Mechanical Engineering	9010643178
6/17/2021 12:33:16	sravisvk@gmail.com	Dr S Ravi Sekhar	Faculty	MEDI ANISH KUMAR	Mechanical	9912119067
6/17/2021 12:33:26	anishmech037@gmail.com	MEDI ANISH KUMAR	Faculty	Ratnapuri Institute of Technology - College of Polytechnic	Mechanical Engineering	9959304536
6/17/2021 12:33:34	saiturupati.95@gmail.com	TURUPATI SAI KUMAR	Faculty	Cadets Training Wing, Military College of Electronics and Mechanical Engineering, Secunderabad	Mechanical Engineering	9849554117
6/17/2021 12:34:00	rkvasuresh@gmail.com	SURESH REDDITHA	Faculty			

6/17/2021 12:34:09 geetarani305@gmail.com	Dr. Geeta Rani Madireddy	Faculty	Andhra Loyola Institute of Engineering and Technology	Mechanical engineering	9908330770
6/17/2021 12:34:30 hodmech@cmrcet.org	Dr. P. RAVI KUMAR	Faculty	CMR COLLEGE OF ENGINEERING & TECHNOLOGY	MECHANICAL ENGINEERING	9248727204
6/17/2021 12:37:32 sai.anji1@gmail.com	Mr V ANJANEYULU	Faculty	GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY, NELLORE	EEE	7989486943
6/17/2021 12:38:49 vasundharag@gist.edu.in	Gunimini.vasundhara	Faculty	Geethanjali institute of technology and science	EEE	9542629195
6/17/2021 12:41:04 ajaykumars_mct@mgit.ac.in	AJAY KUMAR S	Faculty	MAHATMA GANDHI INSTITUTE OF TECHNOLOGY	MECHANICAL ENGINEERING	9573507427
6/17/2021 12:43:31 gurubrahmam_mech@cbit.ac.in	K.GURUBRAHMAM	Faculty	CBIT, HYD	Mechanical engineering	9491377882
6/17/2021 12:44:34 praveenjha.45@gmail.com	Praveen Kumar Jha	Faculty	Ratnapuri Institute of Technology college of Polytechnic	Mechanical Engineering	8686810045
6/17/2021 12:45:12 ravindra@gist.edu.in	K.Venkata Ravindra	Faculty	GIST, NELLORE.	EEE	9948042415
6/17/2021 12:45:38 mohdhashamali786@gmail.com	Mohd Hasham Ali	Faculty	Muffakham Jah College of Engineering and Technology	Mechanical Engineering	7729993348
6/17/2021 12:50:32 sujan504@gname.com	Dr. N. SUJAN RAO	Faculty	Dr. N. SUJAN RAO	Mechanical Engineering	9849860097
6/17/2021 12:53:47 ramu@gist.edu.in	Ramu Vasa	Faculty	Geethanjali institute of science and technology	Mechanical Engineering	9042662401
6/17/2021 12:54:23 smadhavareddy_mct@mgit.ac.in	DR S MADHAVA REDY	Faculty	Mahatma Gandhi Institute of Technology	Mechanical Engineering	9866322823
6/17/2021 12:55:11 panjanidevi_mech@cbit.ac.in	P.ANJANI DEVI	Faculty	Chaitanya Bharathi Institute of Technology	Mechanical	9959408547
6/17/2021 priyadarshini_mech@cbit.ac.in	Dr.Ch.Indira	Faculty	Chaitanya Bharathi	Mechanical	9440701652

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (C
Indipet, Hyderabad-500 075, Telangana



12:55:12		Priyadarsini		Institute of Technology	Engineering	
6/17/2021		K.CHIRANJEEVI		Mahatma Gandhi Institute		
12:58:26	kcsabitha_mct@mgit.ac.in	SABITHA	Faculty	Of Technology	Mechanical	9959827778
6/17/2021		R Venkateswa Rao	Faculty	Vignana Bharathi Institute		
12:58:29	rvraomechanical@gmail.com			of Technology	Mechanical	9063941978
6/17/2021		Vijay prasad		University College of		
12:59:16	vprasad1956@gmail.com	Chinthakindi	Faculty	Engineering	Manufacturing	9701874043
6/17/2021		MULUMUDI.RAJESH	Faculty	Geethanjali Institute Of	Electrical and	
12:59:31	rajesh.m@gist.edu.in			Science and	Electronics	
6/17/2021		Dr.R.Uday Kumar	Faculty	Technology,Nellore	Engineering	9963014352
13:00:24	udaykumar403@gmail.com			MAHATMA GANDHI		
6/17/2021		Mr Murali Dasari	Faculty	INSTITUTE OF	Mechanical	
13:01:03	muralidvr@gist.edu.in			TECHNOLOGY,	Engineering	9000666596
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13:01:10	suraj@indiasoft.co.in			Geethanjali institute of	EEE	8897197709
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13:01:18	kankamma_mct@mgit.ac.in			IndiaSoft Technologies Pvt.	Technical Support	9665602616
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13:05:11	dsmadhuri_mech@cbit.ac.in			Mahatma Gandhi Institute	Mechanical	
6/17/2021		Dr B V S Rao	Faculty	of Technology	Engineering	9948206979
13:06:32	bvsrao_mech@cbit.ac.in				Mechanical	
6/17/2021		Mr. K M D		CBIT	engineering	9849533855
13:08:48	mazharuddin@mjcollege.ac.in	Mazharuddin	Faculty	Chaitanya Bharathi		
6/17/2021		Mr. Ahmed Abdul		Institute of Technology	Mechanical	9290545750
13:10:14	abdulmuneem@mjcollege.ac.in	Muneem	Faculty	Muffakham Jah College of	Engineering	9032665806
6/17/2021		DAYAKAR KANDE	Faculty	Engineering & Technology	Mechanical	
13:18:03	dayakar@gist.edu.in			Muffakham Jah College of	Engineering	8008492321
6/17/2021		VADTHYA MOHAN	Faculty	Engineering & Technology	Department	
13:18:03	vadthya@vmtw.in				Electrical and	
				Geethanjali Institute of	Electronics	9441183095
				Science and Technology	Engineering	
				Vignan's institute of	Mechanical	8074000086



13:29:22		KRISHNA		management and technology for women	Engineering	
6/17/2021 13:36:34	mdyahiya.nyn@gmail.com	MD YAHIYA	Faculty	Muffakham Jah College of Engineering and Technology	Mechanical Engineering	7416495838
6/17/2021 13:48:40	saiganesh@gist.edu.in	M. Sai Ganesh	Faculty	Geethanjali institute of science and technology	Electrical and electronics engineering	7981032754
6/17/2021 13:48:53	vasavigupta369@gmail.com	M. Vasavi	Faculty	Ratnapuri Institute of Technology College of polytechnic	Mechanical	7660037276
6/17/2021 13:56:24	sriharshapscomr@gmail.com	VIJAY SRIHARSHA TANGELLA	Faculty	PSCMR COLLEGE OF ENGINEERING AND TECHNOLOGY	DEPARTMENT OF MECHANICAL ENGINEERING	8099955180
6/17/2021 13:58:23	hasheer.mohammad@gmail.com	MOHAMMAD HASHEER SHAIK	Faculty	R V R&J C COLLEGE OF ENGINEERING (A)	MECHANICAL ENGINEERING	9642135090
6/17/2021 14:30:47	yadagiricdr@gmail.com	Chittari Yadagiri	Faculty	Chittari Yadagiri	Ratnapuri institute of technology - college of polytechnic	9515053596
6/17/2021 15:19:53	kvkviswanadham_mct@mgit.ac.in	K V Kasi Viswanadham	Faculty	Mahatma Gandhi Institute of Technology m	Mechanical	9246757582
6/17/2021 16:07:08	nukathatiprasad@gmail.com	PRASAD NUKATHOTTI	Faculty	Geethanjali institute of science and technology	Electrical and Electronics Engineering	9492867585
6/17/2021 16:58:37	mraju.muthyala@gmail.com	Dr Raju Muthyala	Faculty	Srivenkateswara engineering college, suryepet	Mechanical engineering	9912619454
6/17/2021 20:32:26	happymohansan@gmail.com	Ananda Mohan Vemula	Faculty	Guru Nanak Institutions Technical Campus	Mechanical Engineering	7659083366
6/18/2021 11:56:52	myadiredddy_mct@mgit.ac.in	M Yadi Reddy	Faculty	MGIT	Mechanical Engineering	7659855889
6/18/2021 21:51:52	tnaditya_mech@cbit.ac.in	T. N. Aditya	Faculty	CBIT, Hyd	Mechanical	9985868153

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology
Jandimet, Hyderabad - 500 075, India

In society

6/17/2021 12:28:40 zainafri323@gmail.com	MD ZAIN AFRIDI	Student	MD ZAIN AFRIDI	Mechanical Engineering	8125446660
6/17/2021 12:28:56 shubhamdhane09@gmail.com	shubham dhane	Student	Chaitanya Bharathi Institute of Technology	Mechanical Engineering	9618324287
6/17/2021 12:29:25 ambatisatish414@gmail.com	Ambati Satish	Student	Chaitanya Bharathi Institute of technology	Mechanical Engineering	9177101710
6/17/2021 12:29:25 jayanthskc@gmail.com	C. Jayanth Saikrishna	Student	Chaitanya Bharathi Institute of Technology	Mechanical Engineering	8639052107
6/17/2021 12:29:37 hemanthnvd@gmail.com	N V D HEMANTH	Student	Mahatma Gandhi Institute of Technology	MECHANICAL	7207844952
6/17/2021 12:30:40 smilyharsha987@gmail.com	GANTA.SRIHARSHA	Student	Tirumala engineering college	Mechanical Cadcam (Mechanical)	9550835985 9550848020
6/17/2021 12:31:05 mattamsandeep1998@gmail.com	Matham.Sandeep	Student	CBIT	Thermal engg	7893577978
6/17/2021 12:32:10 sandhyabanoth55@gmail.com	Sandhya rani	Student	Cbit College	TECHNICAL AUDIT	9347020245
6/17/2021 12:32:21 dibyenm@yahoo.com	DIBYENDU MUKHERJEE	Student	PROFESSIONAL AT COROMANDEL INTERNATIONAL LIMITED	M.E-CADCAM	7032736066
6/17/2021 12:32:47 saitejad6066@gmail.com	D. Sai Teja	Student	Chaitanya Bharathi institute of technology	MECHANICAL	8464806889
6/17/2021 12:33:03 jagapathidurgam@gmail.com	DURGAM JAGAPATHI BABU	Student	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY	MECHANICAL	8985993242
6/17/2021 12:33:05 Shruthiikammari@gmail.com	Shruthi Kammari	Student	Chaitanya Bharathi Institute of Technology	ME-CAD/CAM	9100228394
6/17/2021 12:33:44 mdshahruk12898@gmail.com	SHAIK SHARUKH PASHA	Student	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY	MECHANICAL	8106849383
6/17/2021 12:34:32 akkenapallisaikiran202@gmail.com	AKKENAPALLI SAIKIRAN	Student	CBIT	Cadcam	8309199114
6/17/2021 12:35:25 akhilprasadsadige007@gmail.com	Sadige akhil prasad	Student	Cbit		

Smeddy

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology
Tandipet, Hyderabad-500 075, Telangana

6/17/2021 12:35:57 sareddysoumyareddy295@gmail.com	Sareddy soumya reddy	Student	Chaitanya bharathi institute of technology	Cad cam	9491659129
6/17/2021 12:37:32 kolurusaikiran@gmail.com	Koluru Sai kiran	Student	Chaitanya Bharathi institute of technology	CAD/Cam	8555961736
6/17/2021 12:42:14 ramnaikjavavath@gmail.com	JATAVATH RAMU	Student	Chaitanya Bharathi institute of technology	CAD/CAM Mechanical (thermal engineering)	9603871656 9866653858
6/17/2021 12:42:23 charantejajmeera@gmail.com	Ajmeera Charan tej	Student	Chaitanya Bharathi institute of technology	ET&T MECHANICAL-ME CAD/CAM	8839403521 7036858595
6/17/2021 12:44:38 tiwari.ritik.9831@gmail.com	Er. DEEPAK TIWARI	Student	SSIPMT, RAIPUR	Mechanical Engineering	8919362646
6/17/2021 12:44:46 indudhulagondi11@gmail.com	Indu Dhulagondi	Student	Indu Dhulagondi	Design for manufacturing	7995744607
6/17/2021 12:44:59 harshareddy3783@gmail.com	HarshaVardhan Reddy	Student	CBIT	ET & T Thermal engineering Mechanical ME CAD CAM	8559868241 9704639224
6/17/2021 12:53:50 simharaju20241d5208@grietccollege.com	Simharaju Srikanth	Student	Gokaraju Rangaraju institute of engineering and technology	Thermal Engineering	8686278726
6/17/2021 13:06:21 tiwari.ritik.9831@gmail.com	Er. DEEPAK TIWARI	Student	SSIPMT, RAIPUR		
6/17/2021 13:06:58 kumars658126@gmail.com	Jadhav sunil kumar	Student	C.B.I.T		
6/17/2021 13:39:33 ahmedfazal423@gmail.com	Fazal ahmed	Student	Cbit		
6/17/2021 15:54:33 anasdanishkhan@gmail.com	Mohd Anas Khan Danish	Student	Chaitanya Bharathi institute of Technology		

P. Reddy

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Adibat, Hyderabad-500 075, Telangana



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 Department of Mechanical Engineering
 Mahatma Bharathi Institute of Technology (A)
 Hyderabad-500 075, Telangana

Meeting ID: 376 4076 3165 Passcode: 5636

View Options

K GURUBRAHM...
Dr S Satyana... G.Sudhakar PROF DR. RA...

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CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT)

One Day Workshop on
"SMART MANUFACTURING: CONNECTED FACTORIES"
(Through ZOOM CLOUD MEETING APP)
June 17th, 2021 at 09:30 to 13:30 hrs

Meeting ID: 376 4076 3165 Passcode: 5636

President Dr G RAMESHWAR RAO, IAS Chancellor, CBIT Telangana State Capital	Principal Prof G P S VARMA Principal CBIT, Hyderabad	
SDP Dr P V N SIVAIGANDA REDDY Professor & HOD, Mech. Engg. Department, CBIT, Hyderabad	Session Chairman Dr S SAITYANARAYANA, IAS Joint. Prof. (Emeritus), IAS, Kannur, Manipal Institute, IITB, IITM, IITK, IITR, IITD	Co-Chairman & Speaker Dr G CHANDRAMOORTHY, IAS Prof. of Mech. Engg. IITB, & IITM, IITK, IITR, IITD, Prof. Emeritus & Honorary, IITB
Guest Speaker Dr S SIVAIAH, IAS Offical. Head - Electrical Engineering, CBIT, Hyderabad	Co-Convener Dr B GURUBRAHMAM Associate Professor, SDP, CBIT	Vote of Thanks Dr T. RAJAMANI, IAS Joint. Secretary of Telangana State Capital

2021/06/17, 10:15 Ranga Reddy, Telangana

Participants Chat Share Screen Record Reactions Leave

Participants (100)

Find a participant

- KG K GURUBRAHMAM (Me)
- ietssc hyderabad (Host)
- Dr G Chandramo... (Co-host)
- Dr G Rameshwar Rao (Co-host)
- DS Dr S Satyanarayana (Co-host)
- Dr Srinu Perla (Co-host)
- Dr Jayanth

Invite Unmute Me Raise Hand

Chat

in half an hour, kindly permit me.

Everyone

S. Reddy

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (CBIT)
Hanamkonda, Hyderabad-500 075, Telangana

Meeting

View Options

K GURUBRAHM...

Dr S Satyanaray...

Dr Srin Perla

Dr G Chandr...

Dr G Ramesh...

LIVE on YouTube

Evolution of Connected Factories 4.0 revolution

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Smart Components

Intelligent machine components and subsystems

Smart Machines

Intelligent machines in production with minimum human intervention

Digital Factory

Smart manufacturing in a single factory premise with other digitized functions

Connected Factories

Multiple digital factories are connected through the cloud and can be managed centrally

Industry 4.0 Enterprise

Integrating connected factories with smart supply chain, suppliers, customers, product design, and aftermarket services

Participants (106)

Find a participant

- K GURUBRAHMAN (M)
- msc Hyderabad (M)
- Dr Srin Perla (Co-Host)
- Dr S Satyanarayana (Co-Host)
- Dr G Chandrakhan...
- Dr G Rameshwar Rao (Co-Host)
- Dr G Rameshwar Rao (Co-Host)
- MS Jayash

Invite Promote Me Raise Hand

Chat

2021/06/17 12:01 Ranga Reddy, Telangana

Participants Chat Share Screen Record Reactions Leave

ONE DAY WORKSHOP ON SMART MANUFACTURING: CONNECTED FACTORIES Son 17th JUNE 2021 (9.30AM to 1.30PM) (Responses)

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VIT-AP
VIT-AP Institute of Technology
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Papers should be submitted to corresponding
email: icdsme_mech@cbit.ac.in

Publication

All accepted, registered and presented papers will be published in ISBN online series. Selected papers will be published in the Scopus Indexed Journals with additional charges.

Conference e-Souvenir

Conference e-Souvenir will be brought out during ICDSME-2021 and will include abstracts of all the selected papers.

Important Dates

Last Date for Submission : 05 March 2021

Acceptance Intimation : 15 March 2021

Last Date for Registration : 20 March 2021

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Contact Details:

Dr. P. Prabhakar Reddy

Mail: prabhakarreddy_mech@cbit.ac.in; 98854 68253

Dr. G. Laxmaiah

Mail: glaxmaiah_mech@cbit.ac.in; 98499 59218



1ST INTERNATIONAL E-CONFERENCE
ON
"DEVELOPMENTS IN SUSTAINABLE
MATERIALS, MANUFACTURING AND
ENERGY ENGINEERING"
(ICDSME-2021)

3rd - 4th April, 2021

www.cbit.ac.in/research_post/icdsme2021



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Chaitanya Bharathi Institute of Technology
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INDIA

Chaitanya Bharathi Institute of Technology,
Hyderabad-500 075, Telangana

About CBIT

CBIT is one of the premier Engineering Institutes in India, pioneer in Telangana State, which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 42 years by producing more than 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the Globe. Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected to secure Placements in reputed MNCs. The Institute has been accredited by NAAC – UGC with 'A' Grade and the various programs are accredited by NBA – AICTE. The UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. The Grants received from AICTE/UGC are worth about Rs. 2.75 Crores. Stringent Academic Standards, Industry Compliant Teaching Methodology, Research Projects from Private and Public Sector organizations Industries in Engineering and Management and Consultancy Practice, enabled the Institute to establish its Identity in the Technical Education and is Ranked No. 1 amongst the Private Engineering Colleges in both the Telugu Speaking States.

About the Conference

International Conference on Developments in Sustainable materials, Manufacturing and Energy engineering (ICDSME2021) aims to attract the research communities to promote fusion between theory and practice and explore different perspectives on the application of research findings into practice. This conference will provide an excellent platform to the faculty, research scholars and students to present their research work. A Two-Day International Conference on Developments in Sustainable materials, Manufacturing and Energy engineering (ICDSME2021) is being organized during 3-4 April, 2021. This conference aims at bringing together researchers, developers, consultants, academicians and students to present their research work discuss and exchange ideas about the present and future developments in the latest technologies in the areas of Engineering consists of both invited and contributed papers.

Due to the continued impact of the COVID-19, the ICDSME-2021 has decided to make the conference a virtual event.

Call for Papers

ICDSME-2021 invites papers related to various fields and recent developments in Mechanical Engineering for presentation. The papers and invited talks by eminent practicing engineers are expected to benefit the participants. Papers selected and presented in ICDSME- 2021 will have opportunity to be published in proceedings with ISBN and Scopus Indexed Journals.

Conference Tracks

Materials:

Advanced Materials, Mechanical behavior of materials, Phase transformations, Fatigue & fracture mechanics, Severe plastic deformation, Nano materials, Materials for aerospace applications, Materials for thermal/Nuclear power plants, Ultra-fine-grained materials, Ceramic Materials, High entropy alloys, Functional materials, Composite materials, Bio materials, Optical/Electronic/Magnetic materials, Building Materials, Materials characterization, Renewable materials, Corrosion control, Heat treatment, Powder metallurgy, Synthesis of materials, High temperature Materials, Functionally gradient materials

Manufacturing:

Micro manufacturing, Precision Technologies, Additive Manufacturing, Advanced Machining Processes, Non-Traditional, Micro and Nano Machining, Green Manufacturing, Clean and Sustainable Manufacturing Processes, Advanced Metal Forming and Bending, Manufacturing processes, Technology and Automation, Fabrication of Nano materials and Nano Devices, Non-Destructive Testing, Metal joining/Welding and Casting Techniques, Thermal Protection systems & Coatings, Surface Engineering, Surface Design, modification technologies, Surface process control, Wear & Tribology, Computational Methods and Materials, Manufacturing system and simulation, FEA Applications, Process modeling and Simulation, Numerical Analysis and Optimization Techniques, Numerical Methods for Scientific Computations, Optimization Techniques and Methods

Energy

Renewable Energy, Sustainable Power, Solar, Wind and Bioenergy, Geothermal Energy, Green nanotechnology, Nano Environmental Technologies, Green Energy and Economy, Bioremediation, Waste to Energy, Fuel cells, Smart Grid, Sustainable technologies, Electric vehicles, Battery energy storage, Energy Storage and Conservation, NEXT-GENERATION Technologies in Power sector, Environmental impact of energy conversion, Hydrogen energy conversion systems, Environmental Impact Assessment

The scope is not limited to the above tracks; any relevant and emerging areas can be submitted.

Author Guidelines

- ❖ Papers are invited from Students, Research Scholars, Academicians and Industry persons.
- ❖ The paper should be in ASME format with maximum 6 pages (if limit exceeds Rs. 500/- per page)
- ❖ Papers submitted should not have been previously published in any other conference or journal book chapter etc.,
- ❖ Authors should satisfy the standard norms of plagiarism.
- ❖ Papers submitted will be reviewed by our expert committee members.
- ❖ At least one author should register for the conference.
- ❖ E-Certificate will be provided through email only.
- ❖ Guidelines on font size, type, margins, and other document related information, please refer to the college website.

The Registration Fee can be paid online using the account details given below.

Account Name : CBIT Recurring Expenditure
Account Number : 180401001258

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Registration Link:

https://www.cbit.ac.in/research_post/icdsme2021/

Registration Fee

Category	Indian Author	Foreign Author
Industry	Rs. 2000/-	60 USD
Faculty Member	Rs. 1000/-	50 USD
Research Scholar and Student		
Non-presenting Member (Attendees)	Rs. 500/-	



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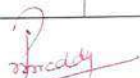
1st International E-conference on

DEVELOPMENTS IN SUSTAINABLE MATERIALS, MANUFACTURING AND ENERGY ENGINEERING (ICDSME – 2021)

3rd - 4th April, 2021

Programme Schedule

3 rd April, 2021	<p align="center">Technical Session 1: Materials Engineering</p> <p align="center">Meeting Link: https://meet.google.com/sao-ggob-afu</p>	<p align="center">Time</p> <p align="center">14.00Hrs-16.12Hrs</p>
<p align="center"> Prof. M. Madhavi Session Chair Head, MED, MVSR Engineering College </p> <p align="center"> Dr T Ratna Reddy, Session Co-chair Associate Professor, MED, CBIT </p> <p align="center"> Coordinators: Sri K Gurubrahmam, Assistant Professor, MED,CBIT Smt V Sandhya, Assistant Professor, MED,CBIT Smt Ispitha Mohanthy, Assistant Professor, MED,CBIT </p>		
<p>Invited Talk:</p> <p>Experimental Investigations on Automobile Components Developed Using Fiber Reinforced Composite Materials. By Prof. M. Madhavi, Head, MED, MVSR Engineering College</p>	<p align="center">14.00Hrs- 14.15Hrs</p>	


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 Hyderabad, Telangana

Paper ID	Paper Titles	Time
2021451	<p>1.1. Effect of Barcol Hardness properties on EGlass fabric Epoxy Composites</p> <p>Balu Maloth¹, N.V.Srinivasulu², R.Rajendra³</p> <p>¹ Research Scholar, Department of Mechanical Engineering, College of Engineering ,Osmania University,O.U, Hyderabad, India</p> <p>² Professors, Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad, India</p> <p>³ Professor, Department of Mechanical Engineering, ,College of Engineering ,Osmania University,O.U, Hyderabad, India</p>	14.15Hrs – 14.27Hrs
2021456	<p>1.2. Development & Characterization of low friction wear & corrosion resistant Coating for Automobile Application</p> <p>[1] Dr. B S Praveen Kumar, [2] Dr. Yuvaraj Naik, [3] Vinod Kumar Biradar [4] Shalini S [5] Renuka K</p> <p>[1] [2] Assistant Professor, Dept. of Mechanical Engineering, Presidency University Bangalore.</p> <p>[3] Assistant Professor, Dept. of Mechanical Engineering, Sri Sairam College of Engineering Bangalore.</p> <p>[4] [5] UG Students, Dept. of Mechanical Engineering, Sri Sairam College of Engineering Bangalore.</p>	14.27Hrs – 14.39Hrs
2021457	<p>1.3. Dynamic Mechanical Analysis of Carbon Fibre Reinforced Graphene Nano Composite</p> <p>V. Nikil Murthy¹, Dr. Dr. Muzzamil Ahamed S²</p> <p>¹Department of Mechanical Engineering, Maturi Venkata Subba Rao (MVSR) Engineering College, Nadergul, Hyderabad-501510.</p> <p>²Professor Department of Mechanical Engg., HKBK College of Engineering, Near Manyatha Tech. Park, Bengaluru- 560 045</p>	14.39 Hrs – 14.51 Hrs

Paper ID	Paper Titles	Time
2021462	<p>1.4. Synthesis of ZnO-BaO-CuO mixed metal oxide nanocomposites and their electrical characterization for humidity sensor along with morphology</p> <p>K. Kavitha¹ *, T. Subbarao² *, R. Padmasuvarna^{1, 3} ¹Department of M&PS, Nalla Malla Reddy Engineering College,²Department of Physics, Sri Krishnadevaraya University, Anantapur 515001, India ³ Jawaharlal Nehru Technological University, Anantapur 515001, India</p>	14.51 Hrs – 15.03 Hrs
2021481	<p>1.5. Prediction of Instantaneous Shear Modulus in Neat and Multi-Walled Carbon-Nanotube Reinforced E-Glass Epoxy Composites by Finite Element Analysis</p> <p>PREDICTION OF INSTANTANEOUS SHEAR MODULUS IN NEAT AND MULTI-WALLED CARBON-NANOTUBE REINFORCED E-GLASS EPOXY COMPOSITES BY FINITE ELEMENT ANALYSIS P. Ramalakshmi¹, K. V. N. Sashikanth², P. Ravinder Reddy^{3,1} Assistant Professor² Undergraduate Student³ Professor Mechanical Engineering Department, Chaitanya Bharathi Institute of Technology (Autonomous)</p>	15.03 Hrs – 15.12 Hrs
2021485	<p>1.6. Design and Analysis for Piston of Four Stroke Engine with Different Materials</p> <p>Dr.G. Laxmaiah¹, E. Manasa², Dr.Ch. Indira Priyadarshini³ ¹Professor, Chaitanya Bharathi Institute of Technology, Hyderabad, glaxmaiah_mech@cbit.ac.in ²ME(TE) Student, Chaitanya Bharathi Institute of Technology, Hyderabad ³Assistant Professor, Chaitanya Bharathi Institute of Technology, Hyderabad</p>	15.12 Hrs – 15.24 Hrs
2021482	<p>1.7. Effect of Fibre Orientation on Vibration Characteristic of Carbon/Epoxy Composite Plate</p> <p>Venkata Sushma Chinta¹, P. Ravinder Reddy², Koorapati Eshwara Prasad³, S. Solomon Raj⁴ ¹Assistant Professor, Mechanical Engineering Department, Chaitanya Bharathi Institute of Technology(A), Hyderabad, India. ²Professor, Mechanical Engineering Department, Chaitanya Bharathi Institute of Technology(A), Hyderabad, India. ³Professor, Mechanical Engineering Department, Siddhartha Institute of Engineering and Technology, Hyderabad, Telangana, India. ⁴Associate Professor, Mechanical Engineering Department, Chaitanya Bharathi Institute of Technology(A), Hyderabad, India.</p>	15.24 Hrs – 15.36 Hrs

2021454	1.8.Compressive Strength of ZnO–BaO–CuO Nanocomposites synthesized by chemical route K. Kavitha ¹ *, T. Subbarao ² *, R. Padmasuvarna ¹ , ³ ¹ Department of M&PS, Nalla Malla Reddy Engineering College, ² Department of Physics, Sri Krishnadevaraya University, Anantapur 515001, India ³ Jawaharlal Nehru Technological University, Anantapur 515001, India	15.36 Hrs – 15.48 Hrs
2021469	1.9. Parabolic Dish Collector Where Receiver Made By Sandwiching Materials S. Abhiram ¹ , Dr.M.V.S Murali Krishna ² ¹ ME(TE) Student, Chaitanya Bharathi Institute of Technology, Hyderabad, pgs19101_mech.sambaraju@cbit.org.in ² Professor, Chaitanya Bharathi Institute of Technology, Hyderabad	15.48 Hrs – 16.00 Hrs
2021465	1.10. Warpage Analysis of a Over Molded Chip on Scale Electronic Package using Finite Element Methods Y Venkata Naga Chandana ¹ ¹ Mahatma Gandhi Institute of Technology	16.00 Hrs – 16.12 Hrs



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3rd & 4th April, 2021

ICDSME 2021 on 3rd & 4th April, 2021

REC Gururaj Telasang is presenting

Sustainability of Additive
Manufacturing and Applications

Gururaj Telasang
ARCI, Hyderabad
gururajst@arci.res.in

12:22

Testing of Shock Attenuation Device Equipped With AM Built
Light Weight SS Honey Comb Structure

Test Description	Duration	Top Shock level (g)			Bottom Shock level (g)		
		Axial	Vertical	Lateral	Axial	Vertical	Lateral
Unit 1 with PU foam	---	Saturated			Saturated		
Unit 2 with SS honey comb (high density)	0 - 3.33 ms	28,530	7,805	8565	12,870	7030	5511
Unit 3 with SS honey comb (low density)	0 - 1 ps	5,002	5,957	6,719	15,510	8565	5247
		15,410	7622		7158		
		22,028	10,000		6667		

Gururaj

Dr. Mahe...

S D

30 others

S. Prasad



ICDSME 2021 on 3rd & 4th April, 2021 ^



ICDSME 2021 on 3rd & ...

108.pdf 108.pdf

Sudhakar Reddy

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EDC SPEAKER SESSION-20/02/2021

EDC-CBIT hosted its first ever virtual event of 2021 on the 20th of february. The event was a speaker session by K.Veda Samhitha Reddy, a baker and a chocolatier by profession. She is a young entrepreneur who has turned her passion for baking into a startup. She has done her bachelors in BBA+ENTREPRENEURSHIP (Specialisation) from Bennett University, Delhi and started her own business at a very young age of 17. The Chocolate box is a bakery which she has started with her sibling. It has gained a lot of popularity in the recent times. She started her company when she was just in high school and it brought her a huge success at a very young age. She was a part of ted talks in the year 2017 where she spoke about her journey. She started baking wedding cakes and other food delicacies which got her so much fame that she started making her own chocolates.

During the session, she spoke about how her elective subject entrepreneurship turned into her passion. She also spoke about her inspiration and what made her start her own business. She spoke about how she used social media to advertise her business and how instagram has played a huge role in it. She told us how she attributes her success to her family and how they never left her side and have been with her through everything. She also guided everyone on what mistakes she made and how to overcome those mistakes. She also spoke about her favourite techniques as a baker and her most difficult projects she ever took up. She mentioned her goals and how she wants her bakery to be automated and how she wants her bakery to grow for the next year. She has also mentioned that she got into a baking school and how she wants her bakery to be automated before she leaves for college. She gave some amazing tips for all the budding entrepreneurs. Overall this session was very helpful and we were all amazed with what she had achieved at such a young age.



PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD - 75

No. 774/CBIT-AEC/2021

Dt. 20.02.2021

CIRCULAR

EDC, A Wing of Chaitanya Reethi, CBIT is organizing an online *Speaker Session* on 25th February 2021 from 4:00 PM onwards. The Speaker for the Session is Ms. Samhita Reddy, Founder – Chocolate Box.

All the interested students can join the Session through link - meet.google.com/uca-qycp-wma. For further information they can contact Dr. P. Prabhakar Reddy, Professor, Dept of Mechanical Engineering on his Mobile: 9885468253 and Smt. V. Sandhya, Asst. Professor, Dept. of Mechanical Engineering on her Mobile: 9701540189.

G.P.S. —
PRINCIPAL



To
All Heads of the Departments / Sections, for information and with a request to arrange for circulation among all the students under their control.

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20/2/2021

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PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana

Attendance for: class-list

Date: " "2021-02-20" ""

" ""Time: ""

" ""16:00 ""

" ""Meet

ID: "" " ""uca-qycq-wma ""

Names

- 1 Director Incubation & Innovation
- 2 Entrepreneurship Development Cell
- 3 Jyothirmayi MED
- 4 Nagini MED
- 5 Prabhakar Reddy MED
- 6 Sandhya Reddy MED
- 7 Sridevi MED
- 8 Sushma MED

Student Participants

- 1 Shivani 067
- 2 Mohammed Adnan
- 3 Asmatullah
- 4 Harsha Vardhan Bashavathini
- 5 Abhishek Begari
- 6 Vikas Bhatti
- 7 Preethi Bollam
- 8 Sri Vishwanath Gopisetty Ced
- 9 Vamsi Ch
- 10 Manoj Chippa
- 11 Shiva Raj Devarakonda
- 12 Amgoth Divya
- 13 Meghana Reddy Dropathi
- 14 Sai Teja G
- 15 Suhas Gajawada
- 16 032_ Ganesh
- 17 Akhil Godavari
- 18 Sunethra Guntur
- 19 Krishna Guptha
- 20 Director Incubation & Innovation
- 21 Saba Iram
- 22 Sahithi Katoori
- 23 Sai Sarath Chandra Kavuluru
- 24 Lavanya Konjeti
- 25 Jhansi Lavudya
- 26 Nimisha Malreddy
- 27 Amrutha Merla
- 28 Aryan Mohan
- 29 Jatothvenu Nayak
- 30 Ilaparthi Nissy
- 31 Deepak Padamanabhan
- 32 Shiva Pakala
- 33 Dhruv Pechetty
- 34 Vaishnavi Pekety
- 35 Gayatri Piratla
- 36 G Ramakoti-015
- 37 Tulasi Rasamsetti
- 38 Chandra Kiran Reddy

PROFESSOR & HEAD
Department of Mechanical Engineering
Jaitanya Bharathi Institute of Technology (A)
Bandipet, Hyderabad-500 075, Telangana

- 39 Deepika Reddy
40 Kashyap Reddy
41 Meghna Reddy
42 Pranav Reddy
43 Prateek Reddy
44 Rikkulachey Reddy
45 Rishita Reddy
46 Ruchitha Reddy
47 Samhita Reddy
48 Sandhya
49 Shiva Reddy
50 Varun Reddy
51 Sandeep
52 Sai Sashikanth
53 Adarsh Shetkar
54 Poornima Siddineni
55 Sifath Singh
56 Sai Teja
57 Tarun Tejadande
58 Aashrith S Thatipalli
59 Mbvamshi Vamshi
60 Akhil Reddy Vancha
61 Vivek Vardhan
62 Vignesh078
63 178 Vijay
64 Vijay



PROFESSOR & HEAD
Department of Mechanical Engineering
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CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)
Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

42
years

Academic and Examination Cell

No. 897/ CBIT/ AEC/ 2021

Dt. 27-05-2021

CIRCULAR

Chaitanya Teja - Entrepreneurship development Cell in association with IIC is planning to organize a Seminar with title "Be Beyond Being- Being Innovative in an Entrepreneurial Journey" on 28-05-2021 from 11.30AM onwards. The speaker for the session is Dr. P. Prabhakar Reddy, Professor, Department of Mechanical Engineering, CBIT. All the interested students can join the session using the link:

<https://teams.microsoft.com/l/meetup-join/19%3aVEmBz5YfcZk6FxZu47qWk153vR342NCHYmUSBO9TFfw1%40thread.tacv2/1621868490765?context=%7b%22Tid%22%3a%228ba02f42-a433-4ad5-bdab-0103a1bc5fa5%22%2c%22Oid%22%3a%22e0f6be02-fe40-4385-9cbc-fa0b130fefca%22%7d>

For further information, they may contact Ms. V. Sandhya, Assistant Professor, Dept. of Mechanical Engineering on her mobile no. 9701540189 and Mr. K. Gurubrahmam, Assistant Professor, Dept. of Mechanical Engineering on his Mobile No. 9491377882.

G.P.SJ —

PRINCIPAL

To
All Heads of the Departments/ Sections, for circulation among all the concerned students under their control
C.C. to all the Directors, Joint Directors, Librarian, for information WBC for uploading on the Institute's Website


PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)

Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbilt.ac.in



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COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

42
years

Seminar report

DEPARTMENT OF MECHANICAL ENGINEERING

EDC & IIC Organized a Seminar on

Be Beyond Being - Being Innovative in an Entrepreneurial Journey

Date: Friday, 28th May 2021 Time: 11:30 am

Chaitanya Teja - Entrepreneurship development Cell in association with IIC organized a Seminar with the title "Be Beyond Being - Being Innovative in an Entrepreneurial Journey" on 28-05-2021 from 11.30AM onwards. The speaker for the session is Dr. P. Prabhakar Reddy, Professor, Department of Mechanical Engineering, CBIT.

In this seminar Prof. P. Srinivasa Sarma, Director-Student Affairs, Dr. Umakanta Choudhury, Director-Incubation & Innovation and Prof P.V.R. Ravindra Reddy, Head Department of Mechanical Engineering addressed the gathering.

The speaker of the session Dr. P. Prabhakar Reddy delivered a lecture on "Be Beyond Being - Being Innovative in an Entrepreneurial Journey". Some of the content and insights of the session are as mentioned below.

- Significance and relevance of the title
- Inventions and discoveries with timeline.
- Entrepreneurship and art of building something from nothing.
- Innovation and novelty
- Making of an entrepreneur
- Difference between innovation, creation and Entrepreneurship
- Action plans for entrepreneurial journey
- KSA mantra- formation of effective and entrepreneurial habits.
- Innovation paradigm
- Seven habits of entrepreneurial habits.
- Prioritisation.
- The productivity of quadrant.

The session Concluded by presenting vote of thanks followed by National Anthem.

Total no of Faculty and students attended: 139

Video recording link:

<https://drive.google.com/file/d/1WY0LldgKrqdWp8KpGBC8pTYqKZDrjF5R/view?usp=sharing>

P. Prabhakar Reddy

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075, Telangana

Be Beyond Being- Being Innovative in an Entrepreneurial Journey" on 28-05-2021

Full Name	User Action	Timestamp
Smt Ch.V.Sushma	Joined	5/28/2021, 11:03:42 AM
Dr. P. Prabhakar Reddy (Guest)	Joined	5/28/2021, 11:18:29 AM
perambudur vasanth	Joined	5/28/2021, 11:20:59 AM
shaik alamgeer basha	Joined	5/28/2021, 11:21:41 AM
shaik alamgeer basha	Left	5/28/2021, 11:31:45 AM
Sri K Gurubrahmam	Joined	5/28/2021, 11:21:57 AM
sai priyanka kattameedhi	Joined	5/28/2021, 11:22:07 AM
pavitra puli	Joined	5/28/2021, 11:22:17 AM
pavitra puli	Left	5/28/2021, 11:37:22 AM
Dr. P.V.R.Ravinder Reddy	Joined	5/28/2021, 11:22:42 AM
mohammed Abdul basid (Guest)	Joined	5/28/2021, 11:22:54 AM
mohammed Abdul basid (Guest)	Left	5/28/2021, 11:31:08 AM
aasriya rambhatla	Joined	5/28/2021, 11:24:58 AM
deekshith a	Joined	5/28/2021, 11:25:36 AM
deekshith a	Left	5/28/2021, 11:54:13 AM
deekshith a	Joined	5/28/2021, 11:55:26 AM
Dr. K. Kishor (Guest)	Joined	5/28/2021, 11:25:51 AM
160117738307_Srikanth (Guest)	Joined	5/28/2021, 11:26:04 AM
VENKATESU VEERAVALLI (Guest)	Joined	5/28/2021, 11:26:23 AM
Dr. T.Ratna Reddy	Joined	5/28/2021, 11:26:38 AM
sapthaharsh (Guest)	Joined	5/28/2021, 11:27:10 AM
160118736076 (Guest)	Joined	5/28/2021, 11:27:25 AM
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rahul sanjay bhilare	Joined	5/28/2021, 11:27:36 AM
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rahul sanjay bhilare	Joined	5/28/2021, 11:32:48 AM
rahul sanjay bhilare	Left	5/28/2021, 11:40:15 AM
sumanth reddy koppula	Joined	5/28/2021, 11:27:58 AM
dinesh chandra gupta malepati	Joined	5/28/2021, 11:28:23 AM
srinivas narige	Joined	5/28/2021, 11:28:34 AM
rohit rahul godse	Joined	5/28/2021, 11:28:46 AM
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gaurang rathi	Joined	5/28/2021, 11:28:51 AM
gaurang rathi	Left	5/28/2021, 11:40:43 AM
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309-Manisha (Guest)	Joined	5/28/2021, 11:29:14 AM
309-Manisha (Guest)	Left	5/28/2021, 11:29:43 AM
murari pushpa raj ale	Joined	5/28/2021, 11:29:37 AM
17251A0227@gnits.in	Joined	5/28/2021, 11:29:59 AM
17251A0227@gnits.in	Left	5/28/2021, 11:30:05 AM
17251A0227@gnits.in	Joined	5/28/2021, 11:34:54 AM
309-Manisha (Guest)	Joined	5/28/2021, 11:30:03 AM
309-Manisha (Guest)	Left	5/28/2021, 11:32:57 AM
dheekshith anumala	Joined	5/28/2021, 11:30:23 AM
hemamshu kesigarla	Joined	5/28/2021, 11:30:29 AM

kushal kumar rajampet	Joined	5/28/2021, 11:30:30 AM
Shaik Sayeed (Guest)	Joined	5/28/2021, 11:30:44 AM
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vamshi gugulothu	Joined	5/28/2021, 11:30:49 AM
160118736038 (Guest)	Joined	5/28/2021, 11:30:52 AM
160118736038 (Guest)	Left	5/28/2021, 11:31:10 AM
sharath chandra maloth	Joined	5/28/2021, 11:30:57 AM
almas (Guest)	Joined	5/28/2021, 11:30:57 AM
sampath reddy anugu	Joined	5/28/2021, 11:30:59 AM
sampath reddy anugu	Left	5/28/2021, 11:32:12 AM
sanjana mandarapu	Joined	5/28/2021, 11:31:03 AM
sanjana mandarapu	Left	5/28/2021, 11:34:28 AM
sanjana mandarapu	Joined	5/28/2021, 11:36:06 AM
anil kumar vanam	Joined	5/28/2021, 11:31:05 AM
prathyusha pasarakonda	Joined	5/28/2021, 11:31:06 AM
vitesh bharadwaj mallibhat	Joined	5/28/2021, 11:31:08 AM
arun kumar guguloth	Joined	5/28/2021, 11:31:09 AM
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pavan goud matta	Joined	5/28/2021, 11:31:11 AM
anthadupula shashi kumar	Joined	5/28/2021, 11:31:12 AM
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anthadupula shashi kumar	Joined	5/28/2021, 11:50:10 AM
sai anjan kumar vege	Joined	5/28/2021, 11:31:15 AM
19-737-134_MADUPALLY HOMAMALINI	Joined	5/28/2021, 11:31:16 AM
19-737-134_MADUPALLY HOMAMALINI	Left	5/28/2021, 11:35:31 AM
19-737-134_MADUPALLY HOMAMALINI	Joined	5/28/2021, 11:52:13 AM
sai umesh teegala	Joined	5/28/2021, 11:31:16 AM
chaitanya sanapala	Joined	5/28/2021, 11:31:33 AM
raghavendra illuri	Joined	5/28/2021, 11:31:39 AM
raghavendra illuri	Left	5/28/2021, 11:34:13 AM
Satya Sai (Guest)	Joined	5/28/2021, 11:31:45 AM
Satya Sai (Guest)	Left	5/28/2021, 11:35:39 AM
Satya Sai (Guest)	Joined	5/28/2021, 11:35:47 AM
Satya Sai (Guest)	Left	5/28/2021, 11:47:30 AM
vamshidhar goud g	Joined	5/28/2021, 11:31:46 AM
shivani tirumalasetti	Joined	5/28/2021, 11:31:47 AM
160117738301_G-mohammed Abdul basid	Joined	5/28/2021, 11:31:49 AM
160117738301_G-mohammed Abdul basid	Left	5/28/2021, 11:42:01 AM
Dr. Rahul (Guest)	Joined	5/28/2021, 11:31:52 AM
choodamani chandana	Joined	5/28/2021, 11:31:55 AM
suyog sunil sharnagat	Joined	5/28/2021, 11:32:00 AM
rajesh pendyala	Joined	5/28/2021, 11:32:07 AM
amaanullah hasheme	Joined	5/28/2021, 11:32:11 AM
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amaanullah hasheme	Joined	5/28/2021, 11:41:52 AM

PROFESSOR & HEAD

Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (W)
Gandipet, Hyderabad-500 075, Telangana

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gopi krishna azmeera	Joined	5/28/2021, 11:32:23 AM
gopi krishna azmeera	Left	5/28/2021, 11:39:07 AM
gopi krishna azmeera	Joined	5/28/2021, 11:42:40 AM
syed asgar hussain abedi sami	Joined	5/28/2021, 11:32:26 AM
adnan abdul	Joined	5/28/2021, 11:32:34 AM
vamshi krishna polamuri	Joined	5/28/2021, 11:32:41 AM
varshith kalva	Joined	5/28/2021, 11:32:46 AM
manoj kumar bogam	Joined	5/28/2021, 11:32:46 AM
manoj kumar bogam	Left	5/28/2021, 11:36:26 AM
manoj kumar bogam	Joined	5/28/2021, 11:38:39 AM
nigamananda janjanam	Joined	5/28/2021, 11:32:46 AM
160118736306-F1 (Guest)	Joined	5/28/2021, 11:32:46 AM
160118736306-F1 (Guest)	Left	5/28/2021, 11:37:48 AM
Smt.P.Anjani Devi	Joined	5/28/2021, 11:32:56 AM
Smt.P.Anjani Devi	Left	5/28/2021, 11:33:28 AM
yashashvitha swaraj mankar	Joined	5/28/2021, 11:32:57 AM
sai harsha chittimouju	Joined	5/28/2021, 11:33:01 AM
lakshmi anusha wudali	Joined	5/28/2021, 11:33:02 AM
jatoth venu	Joined	5/28/2021, 11:33:04 AM
srujana s	Joined	5/28/2021, 11:33:05 AM
srujana s	Left	5/28/2021, 11:35:49 AM
309-Manisha (Guest)	Joined	5/28/2021, 11:33:11 AM
nishanth (Guest)	Joined	5/28/2021, 11:33:21 AM
nishanth (Guest)	Left	5/28/2021, 11:53:19 AM
160118738303 (Guest)	Joined	5/28/2021, 11:33:24 AM
manichaitanya reddy marka	Joined	5/28/2021, 11:33:29 AM
manichaitanya reddy marka	Left	5/28/2021, 11:38:42 AM
manichaitanya reddy marka	Joined	5/28/2021, 11:39:04 AM
rohit dampetla	Joined	5/28/2021, 11:33:30 AM
harsh kumar m n	Joined	5/28/2021, 11:33:40 AM
Dr. R.P. Chowdary (Guest)	Joined	5/28/2021, 11:33:43 AM
160118736009 (Guest)	Joined	5/28/2021, 11:33:44 AM
Nirmith Naha	Joined	5/28/2021, 11:33:47 AM
Sri G.N.R.Prasad	Joined	5/28/2021, 11:33:48 AM
Mahesh 10 (Guest)	Joined	5/28/2021, 11:34:26 AM
Mahesh 10 (Guest)	Left	5/28/2021, 11:37:42 AM
Mahesh 10 (Guest)	Joined	5/28/2021, 11:37:51 AM
160118736090 saikiran (Guest)	Joined	5/28/2021, 11:34:33 AM
aravind ramavath	Joined	5/28/2021, 11:34:33 AM
aravind ramavath	Left	5/28/2021, 11:35:11 AM
pranava g	Joined	5/28/2021, 11:34:33 AM
sri harsha manchukonda	Joined	5/28/2021, 11:34:37 AM
kranthi sai rajoju	Joined	5/28/2021, 11:34:40 AM
yashpal kumar reddy annapureddy	Joined	5/28/2021, 11:34:40 AM
yashpal kumar reddy annapureddy	Left	5/28/2021, 11:36:24 AM
yashpal kumar reddy annapureddy	Joined	5/28/2021, 11:39:03 AM
1601-18-736-074 (Guest)	Joined	5/28/2021, 11:34:49 AM
1601-18-736-074 (Guest)	Left	5/28/2021, 11:35:27 AM
sai laxman tanuj vimmadisetty	Joined	5/28/2021, 11:34:49 AM
sai prajwal harsha m	Joined	5/28/2021, 11:34:52 AM
Prashanth (Guest)	88	5/28/2021, 11:34:56 AM
Anjani Devi P (Guest)	Joined	5/28/2021, 11:34:58 AM

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aqeel (Guest)	Joined	5/28/2021, 11:35:02 AM
nagasree y	Joined	5/28/2021, 11:35:06 AM
nagasree y	Left	5/28/2021, 11:36:39 AM
chinmay krishna peri	Joined	5/28/2021, 11:35:16 AM
lakshmi prasanna kathroju	Joined	5/28/2021, 11:35:22 AM
mubeen patel (Guest)	Joined	5/28/2021, 11:35:23 AM
shobhananda reddy kambham	Joined	5/28/2021, 11:35:24 AM
shobhananda reddy kambham	Left	5/28/2021, 11:38:06 AM
Sumithra Salla (Guest)	Joined	5/28/2021, 11:35:25 AM
Sumithra Salla (Guest)	Left	5/28/2021, 11:40:34 AM
160118736048 umesh Chandra (Guest)	Joined	5/28/2021, 11:35:34 AM
p nishanth bhanu	Joined	5/28/2021, 11:35:38 AM
janardhan reddy nandhyala	Joined	5/28/2021, 11:35:45 AM
Sai Venkat Aala (Guest)	Joined	5/28/2021, 11:35:51 AM
Sai Venkat Aala (Guest)	Left	5/28/2021, 11:37:56 AM
yantrapati bhakthsingh	Joined	5/28/2021, 11:35:59 AM
yantrapati bhakthsingh	Left	5/28/2021, 11:37:29 AM
yantrapati bhakthsingh	Joined	5/28/2021, 11:39:24 AM
nagamani bhukya	Joined	5/28/2021, 11:36:12 AM
nagamani bhukya	Left	5/28/2021, 11:55:49 AM
160118736042 (Guest)	Joined	5/28/2021, 11:36:47 AM
mohammed imran qadeer	Joined	5/28/2021, 11:36:52 AM
mohammed imran qadeer	Left	5/28/2021, 11:52:43 AM
lakshmi narayana reddy gurram	Joined	5/28/2021, 11:36:57 AM
Dr U.K Choudhury (Guest)	Joined	5/28/2021, 11:37:08 AM
Dr U.K Choudhury (Guest)	Left	5/28/2021, 11:43:35 AM
1601-18-736-074 (Guest)	Joined	5/28/2021, 11:37:09 AM
160118736003 Puli Pavitra (Guest)	Joined	5/28/2021, 11:37:09 AM
mohammed idris	Joined	5/28/2021, 11:37:16 AM
mohammed idris	Left	5/28/2021, 11:56:13 AM
mohammed idris	Joined	5/28/2021, 11:56:30 AM
prema sai etukala	Joined	5/28/2021, 11:37:20 AM
prema sai etukala	Left	5/28/2021, 11:41:58 AM
160118736007 akarsh (Guest)	Joined	5/28/2021, 11:37:45 AM
AMARENDRA PRASAD (Guest)	Joined	5/28/2021, 11:37:56 AM
AMARENDRA PRASAD (Guest)	Left	5/28/2021, 11:41:46 AM
160119736090 (Guest)	Joined	5/28/2021, 11:38:03 AM
Krishna Prasad Reddy (Guest)	Joined	5/28/2021, 11:38:05 AM
160118736306-F1 (Guest)	Joined	5/28/2021, 11:38:11 AM
rushyandra reddy mudiam	Joined	5/28/2021, 11:38:15 AM
mounika bushipaka	Joined	5/28/2021, 11:38:19 AM
https://teams.microsoft.com//meetup-join/1	Joined	5/28/2021, 11:38:27 AM
https://teams.microsoft.com//meetup-join/1	Left	5/28/2021, 11:48:18 AM
vasudev jupaka	Joined	5/28/2021, 11:38:27 AM
vijayender aravindam gunnala	Joined	5/28/2021, 11:38:28 AM
160117736044 - Sai Venkat Aala (Guest)	Joined	5/28/2021, 11:38:38 AM
160118738025 (Guest)	Joined	5/28/2021, 11:38:40 AM
160118738025 (Guest)	Left	5/28/2021, 11:39:16 AM
Mounika (Guest)	Joined	5/28/2021, 11:38:42 AM
Srikanth (Guest)	Joined	5/28/2021, 11:38:51 AM
Virat (Guest)	Joined	5/28/2021, 11:38:57 AM
311 Rachana (Guest)	Joined	5/28/2021, 11:39:03 AM

PROFESSOR & HEAD

Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Campus, Hyderabad-500 075, Telangana



Ajay Naidu Dasari	Joined	5/28/2021, 11:39:06 AM
Ajay Naidu Dasari	Left	5/28/2021, 11:40:18 AM
Ajay Naidu Dasari	Joined	5/28/2021, 11:40:44 AM
ncs (Guest)	Joined	5/28/2021, 11:39:29 AM
160119736307 (Guest)	Joined	5/28/2021, 11:39:32 AM
160119736307 (Guest)	Left	5/28/2021, 11:40:28 AM
niteesh chandra gannamaneni	Joined	5/28/2021, 11:39:42 AM
bandoju divya	Joined	5/28/2021, 11:39:45 AM
Dr G Laxmaiah (Guest)	Joined	5/28/2021, 11:39:55 AM
divya amgoth	Joined	5/28/2021, 11:39:58 AM
Dr U.K. Choudhury (Guest)	Joined	5/28/2021, 11:40:08 AM
manasa reddy katangur	Joined	5/28/2021, 11:40:12 AM
manasa reddy katangur	Left	5/28/2021, 11:40:25 AM
manasa reddy katangur	Joined	5/28/2021, 11:46:43 AM
manasa reddy katangur	Left	5/28/2021, 11:47:51 AM
naveen sanjeev ashwin vipparti	Joined	5/28/2021, 11:40:22 AM
snehitha terupally	Joined	5/28/2021, 11:40:48 AM
snehitha terupally	Left	5/28/2021, 11:44:18 AM
160119736307 (Guest)	Joined	5/28/2021, 11:40:55 AM
063 (Guest)	Joined	5/28/2021, 11:41:19 AM
venkat karthik sai y	Joined	5/28/2021, 11:41:25 AM
udaykiran reddy cherukupally	Joined	5/28/2021, 11:41:41 AM
udaykiran reddy cherukupally	Left	5/28/2021, 11:42:07 AM
160118736008-amarendra prasad (Guest)	Joined	5/28/2021, 11:42:19 AM
purnachandra rao guttikonda	Joined	5/28/2021, 11:42:32 AM
Dr. S.Narasimha Kumar	Joined	5/28/2021, 11:42:34 AM
sri lakshmi harshitha namaduri	Joined	5/28/2021, 11:42:44 AM
rohitha vegesana	Joined	5/28/2021, 11:42:49 AM
160117738023 (Guest)	Joined	5/28/2021, 11:42:54 AM
160117738023 (Guest)	Left	5/28/2021, 11:45:13 AM
akhilesh kumar goud g	Joined	5/28/2021, 11:42:55 AM
mani vardhan reddy a	Joined	5/28/2021, 11:42:57 AM
Sree Nandini-66 (Guest)	Joined	5/28/2021, 11:43:16 AM
sai chinnu biyyala	Joined	5/28/2021, 11:43:43 AM
jayanth kandukuri	Joined	5/28/2021, 11:43:45 AM
jayanth kandukuri	Left	5/28/2021, 11:44:32 AM
chand pasha (Guest)	Joined	5/28/2021, 11:44:08 AM
Pavani Basanthpur (Guest)	Joined	5/28/2021, 11:44:12 AM
Dr.B.R.Sreedhar (Guest)	Joined	5/28/2021, 11:44:23 AM
Raghupathi Reddy (Guest)	Joined	5/28/2021, 11:44:44 AM
pooja reddy (Guest)	Joined	5/28/2021, 11:45:11 AM
pooja reddy (Guest)	Left	5/28/2021, 11:53:20 AM
Smt..V.Sandhya	Joined	5/28/2021, 11:45:26 AM
divya nama	Joined	5/28/2021, 11:45:52 AM
divya nama	Left	5/28/2021, 11:50:09 AM
Director SA & P (Guest)	Joined	5/28/2021, 11:45:52 AM
pravalika lakshmi boorugu	Joined	5/28/2021, 11:46:06 AM
pravalika lakshmi boorugu	Left	5/28/2021, 11:46:27 AM
160118736038 (Guest)	Joined	5/28/2021, 11:46:06 AM
160118736038 (Guest)	Left	5/28/2021, 11:46:57 AM
Vanaja (Guest)	Joined	5/28/2021, 11:46:22 AM
Vanaja (Guest)	85ft	5/28/2021, 11:46:53 AM

PROFESSOR & HEAD

Department of Mechanical Engineering
 Chaitanya Bharathi Institute of Technology (A)
 Gandipet, Hyderabad-500 075, Telangana.

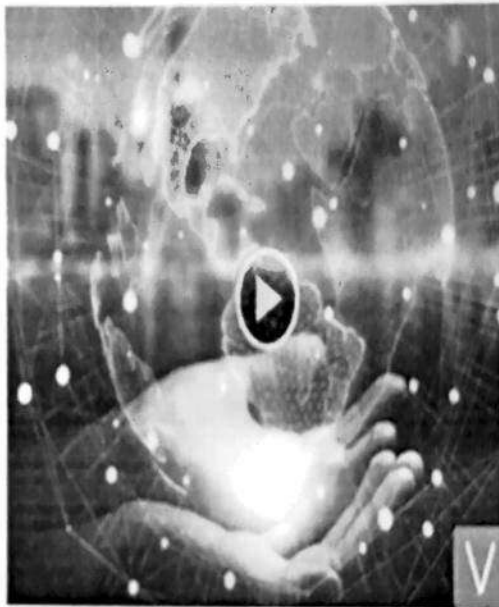
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karthik modugula	Joined	5/28/2021, 11:46:36 AM
MANVITH REDDY	Joined	5/28/2021, 11:46:40 AM
MANVITH REDDY	Left	5/28/2021, 11:48:32 AM
160118736038 kamal (Guest)	Joined	5/28/2021, 11:47:07 AM
Vanaja (Guest)	Joined	5/28/2021, 11:47:11 AM
neelima manthri	Joined	5/28/2021, 11:47:34 AM
neelima manthri	Left	5/28/2021, 11:47:58 AM
neelima manthri	Joined	5/28/2021, 11:48:35 AM
sunil kumar thangella	Joined	5/28/2021, 11:47:38 AM
sunil kumar thangella	Left	5/28/2021, 11:48:50 AM
venkat naga sai rohit reddy manda	Joined	5/28/2021, 11:47:49 AM
160118736094-Satya Sai (Guest)	Joined	5/28/2021, 11:47:53 AM
160118736107 (Guest)	Joined	5/28/2021, 11:48:16 AM
072 - Abhinav (Guest)	Joined	5/28/2021, 11:49:11 AM
160119736074-bharadwaj (Guest)	Joined	5/28/2021, 11:49:27 AM
160119736074-bharadwaj (Guest)	Left	5/28/2021, 11:53:52 AM
160117736021 (Guest)	Joined	5/28/2021, 11:50:27 AM
160118746021 (Guest)	Joined	5/28/2021, 11:52:31 AM
160118746021 (Guest)	Left	5/28/2021, 11:56:11 AM
Pradeep_19_014 (Guest)	Joined	5/28/2021, 11:52:38 AM
Pradeep_19_014 (Guest)	Left	5/28/2021, 11:54:22 AM
rohith reddy katta	Joined	5/28/2021, 11:56:35 AM
160118736021 (Guest)	Joined	5/28/2021, 11:56:40 AM

S. Reddy

PROFESSOR & HEAD
 Department of Mechanical Engineering
 Jaitanya Bharathi Institute of Technology (A)
 Gandipet, Hyderabad-500 075, Telangana

Connect the dots (Networking) (Vasudaika Kutumbham - Oneness)

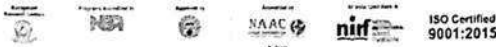


Signature

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology, KJ
Saidipet, Hyderabad -500 075, Telangana.



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)
Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

42

years

Sudhee 2021

Department of Mechanical Engineering

Mechanica 2021

About Mechanica

Mechanica is the two-day National-Level Technical Fest of Department of Mechanical Engineering organized as a part of Sudhee 2021, the Technical Fest of CBIT. Mechanica has organized 7 ecstatic events during the year 2020-2021. The fest was conducted on the 3rd and 4th of March, 2021 virtually. We had 237 participants altogether.

Support from College

The College Management, Principal, Sudhee Core Committee, Head of the Department have encouraged, supported and guided us in this endeavor.

Faculty Coordinators:

1. Dr. S. Solomon Raj, Associate Professor



2. Sri. P. Kiran Kumar, Assistant Professor



PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Kokapet, Hyderabad-500075, Telangana

Student Coordinators:

1. Vignan Babu. D



2. Kaleemullah. M



3. Dheeraj. N



DETAILS ABOUT THE EVENT

Inaugural Ceremony

The Opening Ceremony of Mechanica, was conducted online at 11:30 AM on 3rd March, 2021. The ceremony was presided over by the Head of the Department, Mechanical Engineering, Professors, faculty Coordinators and faculty members. The speaker, Dr.L.Siva Rama Krishna, then addressed the crowd. The conference was officially declared open.

Speaker: Dr. L.Siva Rama Krishna

Topic: Innovative Application of 3D printing

Event Dates: 3rd and 4th March 2021

Event Website: [HOME | Mechanica2021 \(wixsite.com\)](http://HOME | Mechanica2021 (wixsite.com))

PROFESSOR & HEAD
Department of Mechanical Engineering
Jawahar Bharathi Institute of Technology (A)
JNTU, Hyderabad-500 075, Telangana



Dr. L. Siva Rama Krishna.
Associate Professor
MED, OUCE.

Profile:

Dr. L. Siva Rama Krishna, is presently working as Associate Professor in the Dept. of Mech. Engineering, University College of Engineering(A), Osmania University. Presently he is **working as Joint Director, Centre for Product Design, Development and Additive Manufacturing (A centre of Excellence established under RUSA 2.0),** Nodal Officer PMSSS (J&K), Single Point of Contact for Local Chapter SWAYAM- NPTEL, NSS program officer, and Faculty Adviser for M.E course on DFM. Course. He has also worked as Joint Director of Evaluation Examination Cell, University College of Engineering, Osmania University.

Some Professional milestones:

He is Reviewer for many reputed journals like Institute of Engineers India Series C journal Springer Series, British Journal of Medicine and Medical Research, etc. He has won the best research paper award in the International Conference on Recent Innovations in Engineering and Technology at Bhubaneswar. He has guided more than 60 ME projects and presently guiding 9 Ph.D students. He has delivered 85 guest lecturers in various UGC & AICTE refresher courses, webinars, in house training programs of prestigious organizations like BHEL (R&D), BDL etc. He has also organized various STTP's, International Conferences, workshops etc. He works with **MDS Care Hospitals Banjara Hills, Yashodha Hospitals Secunderabad and Sri Sai Dental College, Mahbubnagr for solving various critical cases related Cranioplasty and Maxillofacial Surgeries.**

PROFESSOR & HEAD
Department of Mechanical Engineering
Sri Sai Bharathi Institute of Technology (W)
Hyderabad, Hyderabad-500 075, Telangana

The schedule for the event was as follows:

Mechanica 2021 Inaugural Function

Date & Time:

03-03-2021 11:30 AM to 11:45AM

Event 1: Guest Talk

Date & Time :

03-03-2021 11:45 AM – 01 : 15 PM

Speaker: Dr. L. Siva Rama Krishna

Topic: Innovative Application of 3D printing

Audience: 50 Count

Event Description :

To uphold the enthusiasm and excitement of the students in emerging technologies in the field of Mechanical Engineering. We have come up with an industrial expert who will explain the scope of their studies in practical applications

The event will help the students to choose their career path by exercising every step, in relation to the future demanding skills.

Links:

<https://drive.google.com/file/d/184dIdyPqsufOK58KXe6ZygjN-C4GtiEJ/view?usp=sharing>

Photos:



P. Reddy

PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology,
Campus, Hyderabad-500 075, Telangana

PS 19



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**
Kohapeet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in

COMMITTED TO
RESEARCH
INNOVATION AND
EDUCATION



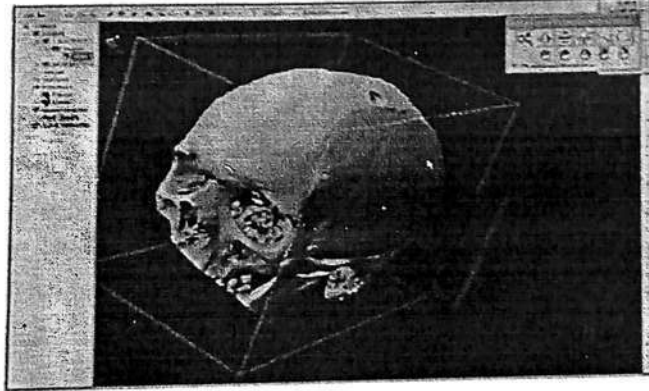
DEPARTMENT OF MECHANICAL ENGINEERING

MECHANICA 2021

Guest Talk



Dr. L. SIVA RAMA KRISHNA
Prof. MED. OUCE
INNOVATIVE APPLICATION OF 3D PRINTING



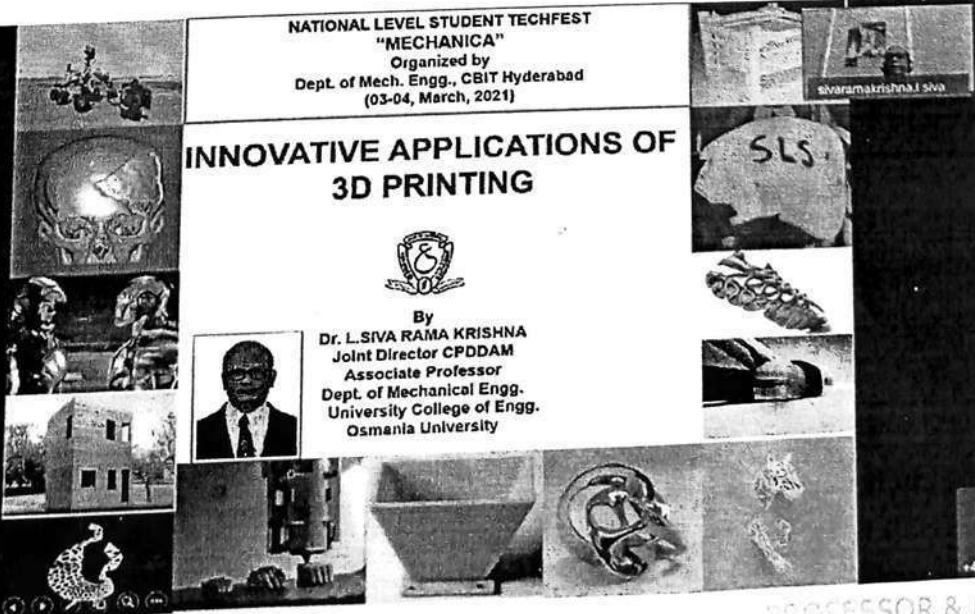
visualization of 3D Model of the Skull attached with Implant

NATIONAL LEVEL STUDENT TECHFEST
"MECHANICA"
Organized by
Dept. of Mech. Engg., CBIT Hyderabad
(03-04, March, 2021)

INNOVATIVE APPLICATIONS OF 3D PRINTING



By
Dr. L. SIVA RAMA KRISHNA
Joint Director CPDDAM
Associate Professor
Dept. of Mechanical Engg.
University College of Engg.
Osmania University



PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Kohapeet, Hyderabad-500 075, Telangana

20-21

25

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)
MECHANICAL ENGINEERING DEPARTMENT

Innovative Application of 3D printing - Speaker: Dr. L. Siva Rama Krishna

List of participants

SNo.	Name	Signature
1	Dr. RAHUL	
2	Dr. S. Narasimha Kumar	
3	Dr. K. Lakshmi	
4	Y. Nagini	
5	Dipika Mohan	
6	P. Surendar Reddy	
7	Dr. NU Srinivasulu	
8	P. KIRAN KUMAR	
9	V. Sandhya	
10	R. Reddy	
11	N. Syothimay	
12	Dr. P.V.R. Ramdore Reddy	
13	V. Jaipal Reddy	
14	A. Chandrakanth	
15	V. Venkatesu, Asst Prof	
16	Dr. G. Hammaiah, Professor	
17	Dr. L. Suresh Kumar Asst. Prof	
18	P. Anjani Devi Asst. Prof	
19	Dr. R.P. Chaudary Assoc. Prof	
20	N. Venkateswara Rao	
21	N. Jorrdhan	
22	P. Redha Krishna Prasad	
23	K. N. V. Sree Devi	
24	D. S. Madhuri	
25	T. N. Ishy	
26	Dr. Md. Akram Pathan	
27.	Dr. V.V.R. Seshagiri Rao	

**TRENDS & CHALLENGES
OF HYBRID ELECTRIC
DRIVE UTILITIES IN
TRANSPORT SECTOR-
PHASE-I**

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD
(AUTONOMOUS)**

AUDITED UTILIZATION CERTIFICATE

Name of the scheme under which the amount was sanctioned: **SHORT TERM TRAINING PROGRAMME** for the technical institutions for the Academic Year 2018-19 during the Financial Year 2019-20

AICTE Sanction Order/Letter No.& Date under which the amount was sanctioned	Amount (Rs.)	- CERTIFICATE
File. No. 34-65/288/RIFD/STTP/Policy-1/2018-19 dated 10-01-2020	Grant Received Rs.3,00,000/- (Rupees Three Lakhs Only)	Certified that out of the grant-in-aid of Rs.3,00,000/- (Three Lakhs) sanctioned by the AICTE during the Financial Year 2019-20 as per the letter mentioned in the margin, a sum of Rs, 1,92,689/-(Rupees One Lakh and Ninety Two Thousand Six Hundred and Eighty Nine Only) has been utilized for the purpose for which it was sanctioned, and the balance of Rs.1,07,311/-(One Lakh Seven Thousand Three Hundred and Eleven only) remained unutilized at the end of the program.

Certified that I have satisfied myself that conditions on which the amount was sanctioned have been duly fulfilled and I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised:-

1. Actual Expenditure

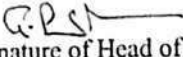
A.S.V. Subhadra Devi
Place: CBIT, Hyderabad
Smt. A. S. V. Subhadra Devi
Superintendent, Chaitanya Bharathi Institute of Technology, Chaitanya Bharathi(Post), Gandipet, Hyderabad-500075

Full Address with Seal

**Accounts Department
CBIT**

For BOLLA & ASSOCIATES
Chartered Accountants
FRN : 016237S

BOLLA NAVEEN KUMAR
Partner
MRN : 237218


Signature of Head of the Institute
Dr. G. P. Saradhi Varma, Principal,
Chaitanya Bharathi Institute of Technology, Chaitanya Bharathi(Post), Gandipet, Hyderabad-500075

Principal
Chaitanya Bharathi Institute of Technology
(Autonomous)
Gandipet, Hyderabad-500075.



Date: 19-03-2021

UDIN : 21237218-AAAAC01930

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD
(AUTONOMOUS)
FOR RECEIPT AND PAYMENT ACCOUNT
(Financial Year 2020-21)

Ref.: Sanction Letter no File. No. 34-65/288/RIFD/STTP/Policy-1/2018-19 dated 10-01-2020

Sl. No	Date	Receipt	Amount (Rs)	Sl. No	Date	Payments	Amount (Rs)
1	10-01-2020	Amount Sanctioned by AICTE	3,00,000/-				
				1	17/12/2020	Dr. Umakantha Choudhury	9,000/-
				2	17/12/2020	Sri. G. Balawanth Reddy	3,000/-
				3	17/12/2020	Dr. Y. Chandrasekhar	6,000/-
				4	17/12/2020	Mr. M. Desai,	3,000/-
				5	17/12/2020	Sri Y.K. Lee	3,000/-
				6	17/12/2020	Mr. S. Ravi	3,000/-
				7	17/12/2020	Mr. S. Eswar Rao	3,000/-
				8	17/12/2020	Mr. Venkanna	3,000/-
				9	17/12/2020	Mr. Y. Rama Rao	3,000/-
				10	17/12/2020	Dr. P. V. N. Prasad	3,000/-
				11	17/12/2020	Mr. Jatil Sharma	3,000/-
				12	17/12/2020	Dr. R. Gopalan	3,000/-
				13	17/12/2020	Dr. G. Tulasi Ram Das	3,000/-
				14	17/12/2020	Honorarium to Course Coordinator	5,000/-
				15	17/12/2020	Computer Operator	3,000/-
				16	17/12/2020	Internet(Miscellaneous)	1,200/-
				17	25/01/2021	Dr. Umakantha Choudhury	18,000/-
				18	25/01/2021	Mr. M. Desai	4,500/-
				19	25/01/2021	Dr. P. Satish	4,500/-
				20	25/01/2021	Dr. Krishna Vasudevan	4,500/-
				21	25/01/2021	Dr. O. Chandrasekhar	4,500/-
				22	25/01/2021	Dr. V.T. Soma Sekhar	4,500/-
				23	25/01/2021	Dr. S. Venugopalan	4,500/-
				24	25/01/2021	Mr. Jatil Sharma	4,500/-
				25	25/01/2021	Honorarium to Course Coordinator	5,000/-
				26	25/01/2021	Computer Operator	3,000/-
				27	25/01/2021	Internet(Miscellaneous)	1,189/-



				28	Phase- III Expenditure	18/03/2021	Dr. Umakantha Choudhury	15,000/-
				29		18/03/2021	Raunak Choudhury	4,500/-
				30		18/03/2021	Mr. S. Ravi	4,500/-
				31		18/03/2021	Prof. V N Achutha Naikan	4,500/-
				32		18/03/2021	Prof. Krishna Vasudevan	4,500/-
				33		16/03/2021	Mr. M. Desai	4,500/-
				34		18/03/2021	Dr. NVPR Durga Prasad	3,000/-
				35		18/03/2021	Mr. Venkanna	3,000/-
				36		18/03/2021	Mr. S. Eswar Rao	4,500/-
				37		18/03/2021	Dr. G. Tulasi Ram Das	4,500/-
				38		18/03/2021	Dr.S.Venugopalan	4,500/-
				39		16/03/2021	Honorarium to Course Coordinator	5,000/-
				40		16/03/2021	Computer Operator	3,000/-
				41		18/03/2021	Miscellaneous	9,300/-
				42		18/03/2021	Auditor Fee	2,500/-
						Grand Total	1,92,689/-	
						Grand Total	3,00,000/-	

A.S.V. Subhadra Devi
Smt. A. S. V. Subhadra Devi
Superintendent, Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075

Accounts Department
CBIT

G.P.S. →
Signature of Head of the Institute
Dr. G. P. Saradhi Varma, Principal,
Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075
Principal
Chaitanya Bharathi Institute of Technology
(Autonomous)
Gandipet, Hyderabad-500 075.

For BOLLA & ASSOCIATES
Chartered Accountants
FRN : 016237S
BOLLA NAVEEN KUMAR
Partner
MRN : 237218



Place: CBIT, Hyderabad
Date: 19-03-2021



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Date: 20.03.2021

To
The Manager,
ICICI Bank

Dear Sir,

Sub: Remittance of Amount by NEFT/RTGS

We enclose here with our Cheque No. 000432 dated 20.03.2021 for Rs.1,07,311/- drawn in your drawn in your favour on A/c. No. 438501000041 and request you to send NEFT/RTGS Member, Secretary, AICTE, New Delhi as per details given here under.

Name of Beneficiary	:	Member, Secretary, AICTE, New Delhi
Beneficiary Bank Name	:	SBI
Beneficiary Account Number	:	55113100057
Beneficiary Branch Name	:	Shastri Bhawan, New Delhi
Beneficiary IFSC Code	:	SBIN0050203

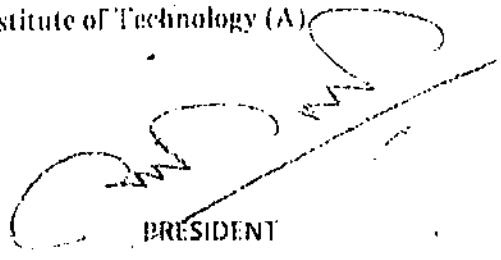
Kindly acknowledge.

Thanking you

Yours Faithfully

For Chaitanya Bharathi Institute of Technology (A)

PRINCIPAL




PRESIDENT

20.03.2021

0001035671

ICICI BANK LIMITED
GANDHIDEB
30 MAR 2021



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



STTP- Sanction Letter

Ref. No. 34-65/288/RIFD/STTP/Policy-1/2018-19

Date **10 JAN 2020**

To

The Drawing and Disbursing Officer,
All India Council for Technical Education,
Nelson Mandela Marg,
Vasant Kunj, New Delhi - 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2018-19 during the financial year 2019-20- reg.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 300000 /- (Rupees Three Lakh Only)** for conduct of Short Term Training Program as per details given below:-

1.	Name and address of the beneficiary University / Institution	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075 RANGAREDDI-500075 Telangana
2.	Permanent ID of Institute	1-4735791
3.	Institute type	Unaided - Private
4.	Name of Coordinator	Dr. MURALI TANGIRALA
5.	Amount sanctioned	Rs. 300000/-
6.	Amount to be released	Rs.300000/- Full & final payment
7.	Head of account	601.15(a) Gen. Short Term Training Programme (Plan)
8.	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL
9.	Title of the programme	Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.
2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

3. The Principal of the Institute and the Coordinator of the Program are requested to verify the correctness of the under-mentioned Bank Account / RTGS Details submitted by them alongwith the proposals, in which the grant is being released:-

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AABTC1906A	Andhra Bank	CBIT Campus, Kokapet Branch	CBIT post, Gandipet, Hyderabad	Chaitanya Bharathi Institute of Technology	Current Account	064311011000003	ANDB0000643

Instructions/Guidelines to be followed by the University/Institution

I. Disbursement of funds to University/Institutions

- The full amount of the grant sanctioned is being released as advance to the University/Institute.
- The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.
- The above said amount of grant shall be refunded back to AICTE if the Letter of Approval (LOA) / Extension of Approval (EOA) is not issued by AICTE to the institute for the academic year 2019-20.

II Maintenance of Accounts

- The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including two outstations resource persons & working expenses (reprographic services, postage, transport, daily wages, tea/coffee etc).

III. Conduct of test and issuance of certificate

A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test.

IV. Submission of Documents by the University/Institutions to AICTE

a. The following **mandatory relevant documents** are required to be submitted by the University/Institution within one month of the completion of the program:-

(i) Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Format for the same is available on AICTE web portal.

The University/Institution is not required to submit bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.

(ii) Feedback form in the prescribed proforma.

(iii) Copy of the proceedings and completion report.

(iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Evaluation Committee (PEC).

(v) Report submitted by Program Evaluation Committee (PEC).

b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.

V. General instructions

a. **Preferably 10% of the participants may be industry professionals deputed by industry. Further, not more than 2 participants shall be from the host institution/group of institutions.**

b. **Money to be reimbursed on the grant (for any reasons to include unspent amount, interest, penalty if imposed) shall be refunded back to AICTE in the form of Demand Draft payable to Member Secretary, AICTE, New Delhi.**

c. **As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.**

d. **The STTP is a residential program of a duration of six days with minimum 40 participants. The approved STTP shall be conducted within three months from the date of release of funds.**

e. **If programme is not conducted in the period of three months of the issuance of this Sanction Order, the released amount, alongwith interest accrued thereon, has to be necessarily returned back to AICTE within a month.**

f. **The expenditure under the Heads 'Honarium to Course Coordinator' and 'Honarium to Resource Persons' shall not exceed 1% & 20% respectively of the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.**

- g. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be compromised.
- h. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No. 34-65/288/RIFD/STTP/Policy-1/2018-19 in your future correspondence.
- i. **Program Evaluation Committee (PEC)** is required to be constituted at institutional level. The constitution of the PEC shall be as under:

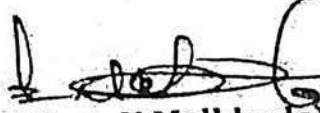
- (i) Principal/Director/Registrar of the institution (Chairperson).
- (ii) Coordinator of the program (Member Secretary).
- (iii) Two HoDs and one subject expert (members).

The members of the said PEC shall not be below the rank of Associate Professor. A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PEC report, are to be submitted to the Council at end of the program along with other mandatory documents.

- j. **GoI GFR rules** (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.
- k. This Sanction Order may be treated as Offer Letter for all purposes.

NOTE:- Any deviation from the above will invoke serious action against the Institute.

Yours sincerely,


(Dileep N Malkhede)
Advisor-I (RIFD)

116 JAN 2020

Copy forwarded for information and necessary action to:-

1. **Name and Address of the Coordinator**
Dr. MURALI TANGIRALA
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075
HYDERABAD 500075 Telangana
2. **The Registrar / Director / Principal**
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075
HYDERABAD 500075 Telangana



Phone : 011-26131576, 77, 78, 80
Website : www.akte-india.org



अखिल भारतीय तकनीकी शिक्षा परिषद्
(भारत सरकार का एक सांविधिक निकाय)
मानव संसाधन विकास मंत्रालय, भारत सरकार
नेल्सन मंडेला मार्ग, नई दिल्ली-110067
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(A Statutory Body of the Govt. of India)
Ministry of Human Resource Development, Govt. of India
Nelson Mandela Marg, New Delhi-110067

Col. B. Venkat
Director (FDC)
E-mail: director.fdc@aicte-india.org
Mob. No. 8130255472

25 June 2020

Sub:-For information of AICTE approved institutes which have received grants for conducting STTP's/FDP's under AQIS 2018-19.

Sir,

This is in reference to grants released by AICTE under AQIS 2018-19 for conduct of STTP's/FDPs. It is being observed that due to present circumstances of ongoing pandemic of COVID-19, most of Institutes are facing difficulties in organizing and conducting STTP's. This office has received a number of requests from various institute to allow on line method of conducting STTP/FDP to complete their commitments.

In this regard, it is to inform that all such institutes, which have already received grants for conducting STTP's/FDPs through prevailing contact mode, are **allowed to conduct STTP's through online mode subject to following conditions:**

- (i) The Institute will be allowed to adjust the grants received for STTP at following rates:-

a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 75000.00
c.	Provision for payment to lab attendant engaged during lab practices	Rs. 3000.00
d.	miscellaneous charge	Rs. 10000.00
Total for each STTP's		Rs 93000.00

- (ii) The Institute will conduct more than one STTP's in multiples of Rs. 93000.00 within the total grant received by it and shall return the balance unspent amount to AICTE.

c.g.

if an Institute has received grant for STTP,	=Rs 3,00,000.00
Cost of three STTP	3x93000= Rs. 279000.00
Balance	= Rs. 21,000.00

The institute will return the balance unspent amount of Rs.21,000.00 alongwith interest earned on such amounts to AICTE while submitting UC for adjustment of accounts for keeping its eligibility for receiving grants in next AQIS

- (iii) The institute will conduct all three STTP's as explained above on the same topic which has been approved by AICTE while releasing the grants.
- (iv) Firm dates for each program will be intimated to AICTE beforehand.


On similar lines FDP (02 week program) to be conducted online has the following approval totaling to Rs. 1,86,000.00.

a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 1,68,000.00
c.	Provision for payment to lab attendant engaged during lab practices	Rs. 3000.00
d.	miscellaneous charge	Rs. 10000.00
Total for each FDPs		Rs 1,86,000.00

The conducting of FDP's (two weeks program) shall be subjected to the similar conditions (i) to (iv) given above for conduct STTP courses, except rates of Honorarium to experts.

You are requested to acknowledge receipt of above guidelines and convey your consent if your institute is ready for conducting the STTP through online format on conditions explained above.

It is once again reiterated that online conduct of FDP & STTP will be on explicit permission of AICTE.

Yours sincerely,

 25 June 2020
 Director (FDC)

Fwd: CBIT, Hyderabad - Pandemic situation – Permission to conduct the STTP Online – Requested - Reg.

Sun, Aug 2, 2020 at 6:11 PM

Principal CBIT <principal@cbit.ac.in>

To: EEE HEAD <hod_eee@cbit.ac.in>, "Dr.T.Murali Krishna Assistant Professor" <tmuralikrishna_eee@cbit.ac.in>

----- Forwarded message -----

From: Col B Venkat <director.fdc@aicte-india.org>

Date: Sun, Aug 2, 2020, 5:09 PM

Subject: Re: CBIT, Hyderabad - Pandemic situation – Permission to conduct the STTP Online – Requested - Reg.

To: Principal CBIT <principal@cbit.ac.in>

1. Conduct of 03 STTTPs in online mode are hereby approved.

2. Following to be ensured

- Each STTP will be for 06 days from Monday to Saturday, followed by an online exam on last working day ie. Saturday. Certificates will only be issued to those participants who have attended regularly and qualify in the exam with minimum 60% marks.

- STTTPs to be scheduled in such a manner that in a month only one is conducted (Space it out evenly so as to complete it by 31 Dec 2020).

- Post successful completion, balance unutilised amount along with interest generated will be returned by RTGS as per the letter.

- Online link of the inauguration will be shared with this office for all the STTTPs with an invite for the inaugural function.

3. This will be treated as an official correspondence on the subject and will be enclosed at the time of submission of Final Utilisation certificate.

With warm regards,

Col B Venkat,

Director (Faculty Development)

AICTE, New Delhi

Mobile - 8130255472

On Fri, Jul 31, 2020 at 2:33 PM Principal CBIT <principal@cbit.ac.in> wrote:

Respected Sir,

Ref : 1. STTP- Sanctioned - L.No.34-65/288/RIFD/STTP/Policy-1/2018-19 dated.10-01- 2020

(Enclosed)

2. Letter issued by AICTE regrading this dated 25-06-2020. (Enclosed)

3. Brochure of STTP (Phase-1) -(Enclosed)

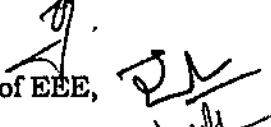
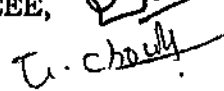


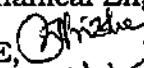

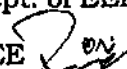
4. Tentative Schedule

This is to bring to your kind notice that the Department of Electrical and Electronics Engineering of our Institute got sanctioned with Rs.3,00,000/- to conduct STTP on "Trends and Challenges of Hybrid Electric Drive utilities in Transport sector" as Dr. T. Murali Krishna as coordinator, vide Ref.(1) cited

Date: 20-07-2020

Minutes of the meeting conducted on 20th July, 2020.

Members Present:

1. Dr. P. Ravinder Reddy, Principal, CBIT
2. Dr. G. Suresh Babu, Prof & Head, Dept. of EEE, 
3. Dr. U.K. Choudhury, Prof. Dept. of EEE, 
4. Dr. D. Krishna Reddy, Head, Dept. of ECE, 
5. Dr. P.V. R. Ravindra Reddy, Head, Dept. of Mechanical Engg., 
6. Dr. T. Murali Krishna, Assoc. Prof, Dept. of EEE, 
7. Smt. N. Vasantha Gowri, Asst. Prof, Dept. of EEE, 
8. Mr. M. Nagaraju, Asst. Prof, Dept. of EEE, 

The meeting started with the greetings from the Head of the department.

Item No.1 : To form Program Evaluation Committee

Minutes : Principal Dr. P. Ravinder Reddy suggested the two HoD names Dr. D. Krishna Reddy & Dr. P.V. R. Ravinder Reddy as PEC members and Prof. U.K. Choudhury as subject expert in PEC

Item No.2 : To Conduct STTP on on-line mode

Minutes : HoD asked the coordinator of STTP to prepare Brochure & Schedule for STTP to be conducted as per the AICTE guidelines in three phases and put up a letter to AICTE for approval. Tentative Schedules are as follows

First phase is from 3rd to 8th August 2020,
Second phase is from 24th to 29th August 2020 and
Third phase is from 7th to 12th September 2020.

Item No.3: Conduct of STTP

Minutes : Dr. N. Vasantha Gowri & Sri. M. Nagaraju are asked be the co-coordinators for Phase-1

CHIEF PATRON

Kavi Kireeti Dr. V MALAKONDA REDDY
President, CBIT

PATRONS

Sri. N. SUBASH
Secretary & Correspondent, CBES

Smt. D. SANDHYA SREE
Chairperson D&P, CBIT

PROGRAM EVALUATION COMMITTEE

Prof. P. RAVINDER REDDY
Principal - CBIT & Chairman - PEC

Prof. U. K. CHOUDHURY
Director - I&I and Subject Expert - PEC

Prof. D. KRISHNA REDDY
Head, Dept. of ECE

Prof. P.V.R. RAVINDRA REDDY
Head, Dept. of Mechanical Engineering

Dr. T. MURALI KRISHNA
Coordinator - STTP

CONVENER

Prof. G. SURESH BABU
Head, Department ofEEE

CO-COORDINATORS

Dr. N. VASANTHA GOWRI
Assistant professor, Dept. of EEE

Sri M. NAGARAJU
Assistant professor, Dept. of EEE

Registration Fee : Free

IMPORTANT DATES

Last date for Registration :01-08-2020
Intimation of selection :02-08-2020

HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

E-certificate will be issued to those Participants who attend 80% of the sessions and clear the exam.

FOR FURTHER DETAILS PLEASE CONTACT

E-mail: sttpee@cbit.ac.in

Mobile: 7013526685, 9052221446, 9866479770

REGISTRATION LINK

<https://forms.gle/Ky9TqoJtGE2W1QEB6>



AICTE - Sponsored
Short Term Training Program
(STTP-Phase-I)

on

TRENDS & CHALLENGES OF HYBRID
ELECTRIC DRIVE UTILITIES IN
TRANSPORT SECTOR

03rd – 08th August, 2020

Organized by

DEPARTMENT OF ELECTRICAL
AND ELECTRONICS ENGINEERING

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)

CBIT is one of the premier Engineering Institute in INDIA, pioneer in Telangana State, which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 41 years by producing about 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the world. The Institute has been Accredited by NBA--AICTE and NAAC--UGC. UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. The Grants received from AICTE/UGC are worth about Rs. 2.5 Crores. Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected to secure Placements in MNCs through College Career Development Center.



ABOUT THE DEPARTMENT

CBIT started Electrical & Electronics Engineering UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a PG course in Power Systems & Power Electronics in 2006 with an intake of 18 and was accredited by NBA in the year 2016. The Department has highly qualified and experienced faculty. The Department is having well equipped labs with latest Hardware & Software. The Department is also certified by ISO 9001:2008. The Department is recognized as Research Centre in 2017 by Osmania University to carry out research for the award of Ph.D. degree. The Department is keen on developing consultancy services and welcomes funding research from outside agencies. The Department in the year 2019-20 has received a funding of Rs.2,72,000 under AICTE-STTP Scheme for MATLAB Research Methodology project, Rs. 3,00,000 under AICTE-STTP scheme for Hybrid Electric Utilities Project and Rs.11,00,000 under AICTE-RPS Scheme for Development of Low Cost Flexible Quality Conditioner to Mitigate Power Quality Issues and MODROBS for special electrical machines to the tune of Rs.17Lakh.

ABOUT THE STTP

Deterioration in air quality, global warming, and a decrease in petroleum resources are becoming the major threats to human beings. More and more stringent emissions and fuel consumption regulations are stimulating an interest in the development of safe, clean, and high-efficiency transportation. It has been well recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades, the research and development activities related to

transportation have emphasized the development of high efficiency, clean, and Modern Electric, Hybrid Electric, and Fuel Cell Vehicles safe transportation.

Topics to be covered in STTP

- ↓Over View of Electric Vehicle ↓
- Govt. Policies and Guide Lines ↓
- Special Electrical Machines
- ↓Batteries for Hybrid Electric Vehicles ↓
- Testing and Certification
- ↓Electric Vehicle Design ↓
- Axial Flux Machines
- ↓Hybrid Electric Vehicles

RESOURCE PERSONS

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries like Tata Motors, and host Institution.

TARGET GROUP

The STTP is expected to benefit Engineers, Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.



Department of Electrical & Electronics Engineering
AICTE Sponsored Short Term Training Program (Phase-1) Schedule

on
TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR
03rd - 08th August 2020

	9.30 AM-11.00AM		11.30 AM – 1.00 PM		2.00 PM – 3.30 PM
03-08-2020 Monday	Inauguration	Break	Introduction to Electric Mobility, Policy and Guidelines, Trends and Challenges, Electric vehicle System and Components by Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)	Lunch break	Permanent Magnet Motor Drives for Electric Mobility by Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)
04-08-2020 Tuesday	Power Electronics Converters for Electric Vehicles by Mr. Balwanth Reddy, Dy. Manager, BHEL R&D		Hybrid Electric Vehicle, Regenerative Braking and Future Trends by Dr U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)		Optimal Dispatch of Electric Vehicle Battery in EV Charging Stations and Its Impact on Distribution System by Dr. Y. Chandrasekhar, Dept of EEE, NITW
05-08-2020 Wednesday	Testing Standards for Electric Vehicle and Its Components by Mr. M. Desai, DGM, ARAI, Pune		Development of Electric Vehicle by Edison Motors Korea and Special Design Features by Sri Y.K. Lee, MD, Edison Motors		Fuel Cell and Its Application for Electric Vehicle by Mr. S. Ravi, Hybrid fuel solutions Pvt. Ltd
06-08-2020 Thursday	Charging Station for Electric Vehicle by Mr. S. Eswar Rao, Sr. DGM, BHEL R&D		Liquid Cooled Induction Motor for Electric Mobility by By Mr. A. Venkanna Deputy Manager, EM Lab, BHEL		Design of an Electric Vehicle by Mr. Y. Rama Rao, COO, M/s Deccan Auto
07-08-2020 Friday	Reliability Modeling and Assessment of Hybrid Electric Vehicles by Dr. P. V. N. Prasad, Prof. (Rtd), Dept of EE, OUCE		Application of E-mobility for Industrial Transport Application by Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.		Optical Location of Battery Swapping Stations by Dr. Y. Chandrasekhar, Dept of EEE, NITW
08-08-2020 Saturday	Materials for 21 st Century Energy Crisis for Sustainable Transport Applications by Dr. R. Gopalan, Director, ARCI		Electrical Motor Drives for Electric Vehicles by Dr. G. Tulasi Ram Das, Former Vice Chancellor (JNTUK) Prof, Dept of EEE, JNTUH		Test, Feedback and valedictory

Coordinator-STTP

HoD, EEE, CBIT

04-08-2020

Session-2

Speaker: **Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)**

Topic: **Hybrid Electric Vehicle, Regenerative Braking and Future Trends**

The resource person has given overview of future advancements in e-mobility. This lecture mainly focused on Regenerative braking, Hybrid Electric Vehicle (HEV), Hydraulic Hybrid Vehicles. He discussed about the complexity in the design of HEVs than IC engine vehicles in all the aspects. He deliberated about advantages and disadvantages of different configurations of HEVs, Types of HEVs. He quoted different topics of research requirements on energy storage systems, regenerative braking, vehicle dynamics and optimization, Challenges in power electronics, vehicle control.

04-08-2020

Session-3

Speaker: **Dr. Y. Chandrasekhar, Dept of EEE, NITW**

Topic: **Optimal Dispatch of Electric Vehicle Battery in EV Charging Stations and Its Impact on Distribution**

The session started with a novel dispatch strategy to determine, when and at what rate EV battery should charge/discharge in order to maximize profits to EV owners and responding to power system's requirements while considering the effect of renewable DG power availability. This objective depends on many criteria like buying and selling price of energy, battery state of charge (SoC), Renewable DG power availability, and load levelling. The optimal dispatch strategy is applied to 100 and 200 EV fleets with random travel plan, the effect of these fleets with optimal dispatch strategy is tested on IEEE 33 bus distribution system with added DGs. Furthermore, optimal power dispatch of DGs in EV-rich distribution system is explained with BAT optimization algorithm (BOA).

05-08-2020

Session-1

Speaker: **Mr. M. Desai, DGM, ARAI, Pune**

Topic: **Testing Standards for Electric Vehicle and Its Components**

In this session Desai sir quoted the importance of regulatory mechanism like standardization, type of approval/certification Agencies, regulation frame work for electric vehicle under CMVR for 250W-EV, E-Rickshaw/E-cart vehicles. The electric vehicle approval requirements like AIS 038: Constructional & functional safety requirements like traction battery, protection against electric shock, high voltage marking etc. Then continued with AIS:039-Electrical energy consumption, AIS:040-Measurement of range, AIS:041-Maximum Power test, AIS:049-EV Specific requirements like grade-ability test at 60% of State of Charge. Battery Management System, AIS:048-performance and abuse testing for traction batteries are discussed. Then continued with the topics like Present scenario in India, new battery safety standard, Charges/Charging stations like conductive & inductive charging, EV Charging: Ministry of power Guidelines, Different types of charges and charger standards. The session ended with Vehicles converted to Electric-Hybrid, Hybrid vehicle regulations in India, e-motor test bed for 3-10 kW motors, Characterization of Li-ion Cell, module & pack, challenges with adoption of Electric Mobility and the role of Government agencies in India.

05-08-2020

Session-2

Speaker: **Sri Y.K. Lee, MD, Edison Motors**

Topic: **Development of Electric Vehicle by Edison Motors Korea and Special Design Features**

Started with the introduction of Edison motors, their vision & mission from value market to trust market and its operating policy. Then their product electric bus constructional details, Power train, battery & Motor positions in cars, how they entered in Indian market with accelerated adoption of alternate fuels like CNG/LNG/Hybrid/Electric vehicles. He discussed about types of Li-Ion batteries, challenges with adoption of electric mobility, role of Ministry of Heavy Industry, Ministry of Road Transport to manufacture electric vehicles. Concluded the session with the products of Edison motors and their specifications.

05-08-2020

Session-3

Speaker: **Mr. S. Ravi, Hybrid fuel solutions Pvt. Ltd**

Topic: **Fuel Cell and Its Application for Electric Vehicle**

This session concentrated on basic components of fuel cells like PEM stack, Balance of plant, membrane electrode assembly etc. then discussed about hybrid fuel cells, bipolar plate fabrication cell, stack assembly, stack testing BOP components like blowers, LCD, Load connectors, Controller, Short Circuit unit are exemplified. Then depicted the MEA assembly unit, its requirements and applications of fuel cells in practical application like operating excavators in remote areas. Continued with the necessity of supercapacitor, DC-DC converter, Dc-bus in the system. He quoted that the fuel cell fleet is now mostly hydrogen fuelled.

06-08-2020

Session-1

Speaker: **Mr. S. Eswar Rao, Sr. DGM, BHEL R&D**

Topic: **Charging Station for Electric Vehicle**

Sri S. Eswar Rao sir has discussed charges for electric vehicles, batteries for e-mobility to meet the challenges of electric vehicles such as waiting time for recharge, range anxiety, high initial cost etc., continued his session with understanding battery characteristics and battery management system. Then explained about types of charging standards, dc charging station architecture, dc fast charger developed by BHEL, topology of high frequency-based charger, design of controller for grid connected converters, solar based ac charging stations, weigh side charging infrastructure, types of charging, difference between continuous charging and conductive charging. Concluded his session with on-board charges, off-board charges and types of chargers like Level-1, Level-2, Level-3 etc.

06-08-2020

Session-2

Speaker: **By Mr.A. Venkanna, Deputy Manager, EM Lab, BHEL**

Topic: **Liquid Cooled Induction Motor for Electric Mobility**

Introduced water cooled induction motor application for electric vehicle. The first step is customers specification like cost, weight, volume and efficiency, IP 69 K requirements, motor mounting configurations. The main advantage of liquid cooling system in transportation is at the time of starting, overtaking of the vehicle and during transmission of vehicle on gradient surfaces. Then he continued his session on air cooling and water-cooled induction motors. Depicted the cross-sectional view of water-cooled induction motor. Then he concluded the session with electro magnetic design and analytical design of induction motors.

06-08-2020

Session-3

Speaker: Mr. Y. Rama Rao, COO, M/s Deccan Auto

Topic: Design of an Electric Vehicle

Explained about growing economy power in India. India stands fifth position in auto mobile industry. Hence the solution for future transportation is e-mobility. Given a comparison between IC engine and Electric vehicles. explained about batteries and their costs for electric vehicles. He also presented the statistics of electric car. Discussed in detail about electric charging regulations in India. Concluded the session with development challenges, electric vehicle safety, operability, centre of excellence on e-mobility.

07-08-2020

Session-1

Speaker: Dr. P. V. N. Prasad, Prof. (Rtd), Dept of EE, OUCE

Topic: Reliability Modeling and Assessment of Hybrid Electric Vehicles

In this session the importance of reliability in Hybrid Electric Vehicles is discussed. The need of reliability assessment is required because of the increasing automation, complexity in the system, Failure & Repairs, Quality of product, Reduction of overall cost. Two types of assessment viz. Past & Future assessment are discussed. The four parts of reliability are probability, adequate performance, Time, Operating conditions are introduced. Various reliability indices are like number of failures, average time between failures, average down time energy loss, revenue is quoted. The maintainability, availability and bath tub model is conferred. The Markov models for series-hybrid, Parallel hybrid and Series-Parallel Hybrid Electric Vehicles are discussed. Concluded that parallel-hybrid is more reliable than series-hybrid Electric Vehicles.

07-08-2020

Session-2

Speaker: Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd

Topic: Application of E-mobility for Industrial Transport Application

The vehicles landscape in India is introduced by the resource person. Discussed about EVs, BEVs, ZEVs & BOU etc., electric vehicles viabilities like charging infrastructure, increased efficiency, reduction of cost and policies related to motor drive technology. He more focused on innovation, life cycle, project management. Then continued with the products developed for various applications like EVs in golf-carts, vehicles for cleaning of solar panels, e-ambulances in hospitals, missile carriers in defence sector, vehicles for vigilance & security, forest & tourism, public health and sanitation by Tejaswi GreenEngg. Pvt. Ltd.

07-08-2020

Session-3

Speaker: Dr. Y. Chandrasekhar, Dept of EEE, NITW

Topic: Optical Planning of EV Charging stations and Battery Swapping Stations

For the installation of EV charging stations the objectives are loss minimization and profit maximization in optimization process. Due to development of the batteries and its charging technologies, public incentives and growing criticism on dense air pollution, the electrical vehicles (EVs) gaining more popularity as compared to traditional fuel vehicles. In this scenario, the multi-objective optimal scheduling of Electric Vehicle batteries in Battery Swapping Station (BSS) is explained in order to optimize the number of EV batteries taken from battery stock. Further, degradation cost of batteries and electricity charging cost of batteries also considered for optimal scheduling of EV batteries in BSS. The dynamic electricity pricing model is considered to avoid new peaks of battery charging demand in BSS. EV battery swapping demand in each hour of the day is solved by using a multi-objective Shuffled Frog Leaping Algorithm (SFLA).

08-08-2020

Session-1

Speaker: Dr. R. Gopalan, Director, ARCI

Topic: Materials for 21st Century Energy Crisis for Sustainable Transport Applications

Session started with Sustainable energy, Matter of concern in India, Energy Crisis & demand, wind energy, solar energy, roof-top wind-solar hybrid systems, introduced about 50MW solar plant in Jodhpur, 1000MW solar plant in Tamilnadu, 21st century energy crisis in transport sector. Session continued with Transformation in vehicle technology, Carbon foot print, EV concept, Drivers for growth of electric vehicles in India, Electric vehicle status in India, Permanent magnet technology and its role for energy saving technology, Li-ion battery, possible combination of Li-ion battery, fabrication of Li-ion battery at ARCI, power and energy of various batteries, Alternative energy materials & systems, fuel cells, solar cells, Thermoelectric materials.

08-08-2020

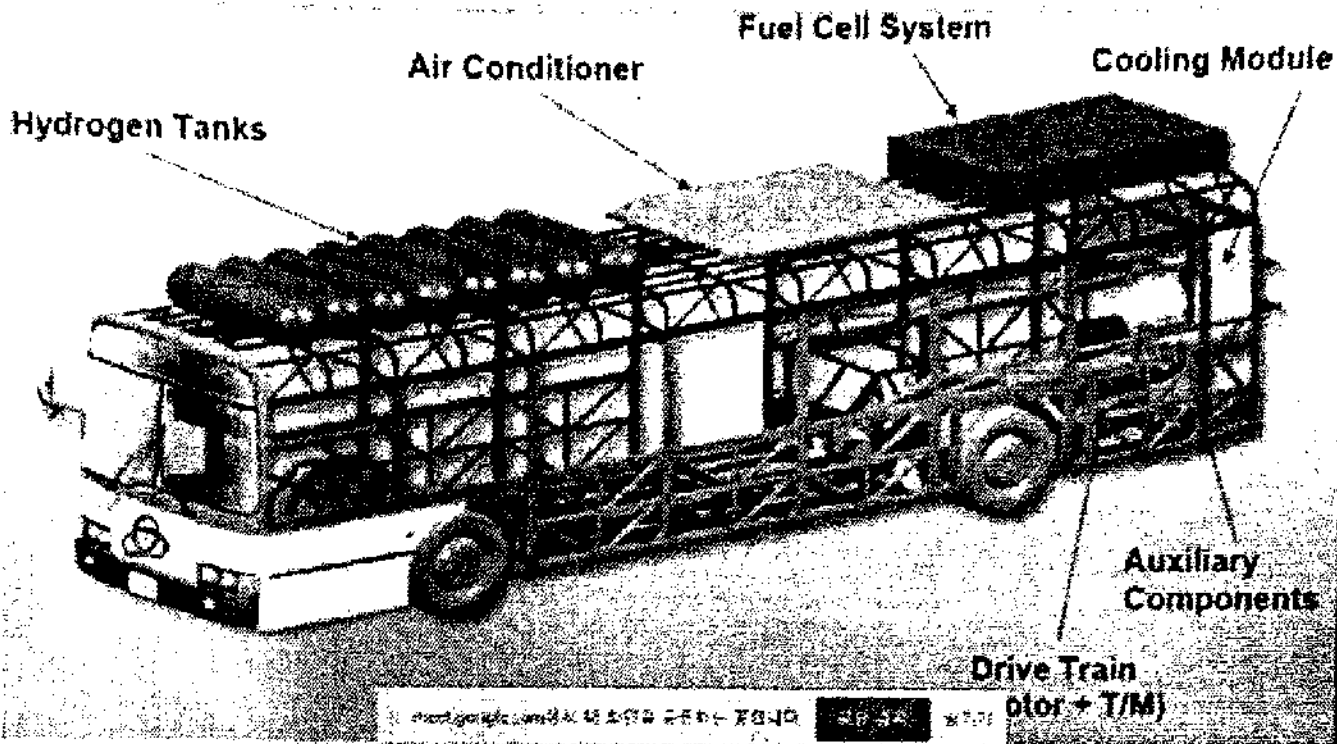
Session-2

Speaker: Dr. G. Tulasi Ram Das, Prof, Dept of EEE, JNTUH, Former Vice Chancellor (JNTUK)

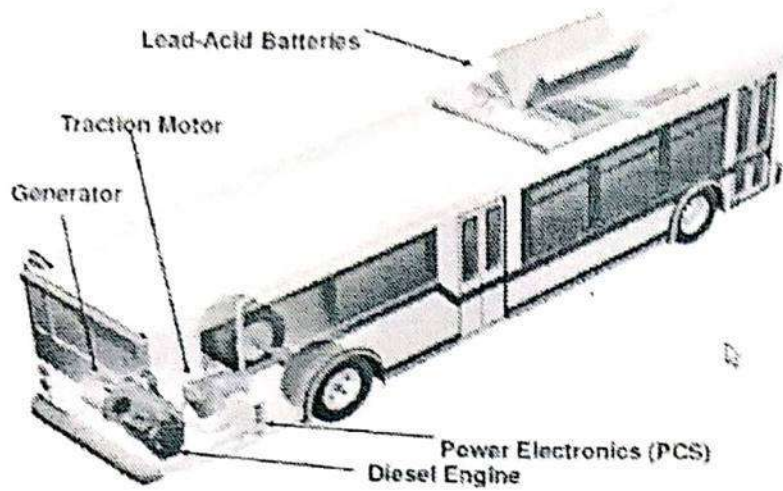
Topic: Electrical Motor Drives for Electric Vehicles

The session started with induction motor and its advantages & limitations in electric vehicles. The session continued with the importance of switched reluctance motors with its major advantages of less heat development, but the main drawback of complex control circuitry, insights for selecting the right motor for electric vehicles for two wheelers & three wheelers. Sir has illustrated the performance comparison between indirect field-oriented control and direct torque control of induction motors with case study. Session ended with future scope of research in electric vehicles.

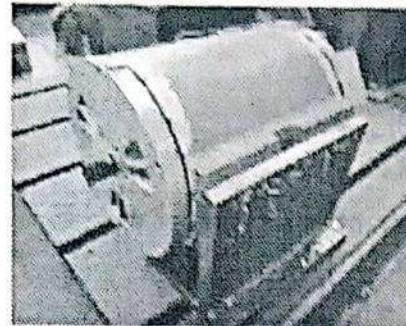
E-Mobility Introduction



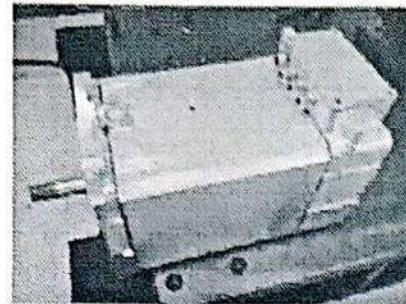
Hybrid Electric bus



BHEL developed Induction Motors



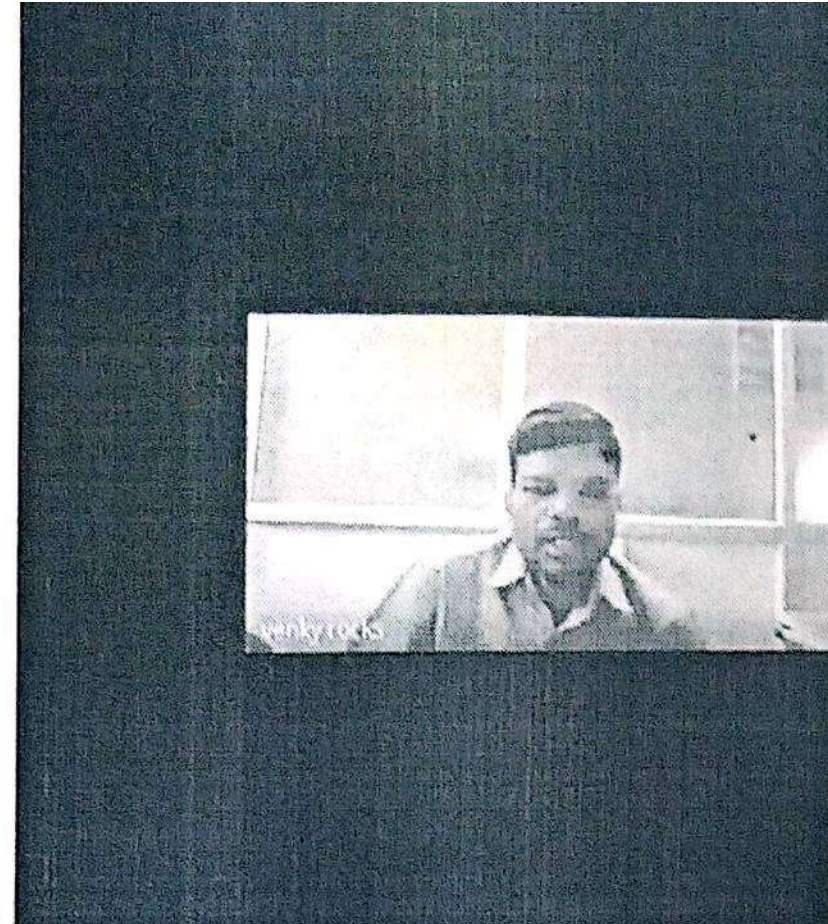
130 kW Induction motor



67 kW Induction motor



EV motor requirements



AICTE – Sponsored Short Term Training Program (STTP-Phase-1)

On

TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

03th - 08th August 2020

List of participants shortlisted for Certificates

S.No	Salutation	Name	Organization name	Email id	Mobile number (whatsapp)
1	Mr	Musub Mehfooz	Gautam Buddha University, Greater Noida	musubmehfooz16@gmail.com	8279727639
2	Mr	KASOJU BHARATH KUMAR	Mahatma Gandhi Institute of Technology	kbharathkumar_eee@mgit.ac.in	8790036566
3	Dr	Dr.B Suresh Kumar	CBIT	bsureshkumar_eee@cbit.ac.in	9849396814
4	Mr	SHIV SHAMBHU CHOUDHARY	NIT SRINAGAR	shivshambhuchoudhary@gmail.com	7011878967
5	Mr	MADAN MOHAN CHODAVARAPU	SWARNANDHRA COLLEGE OF ENGINEERING TECHNOLOGY	madanoc21@gmail.com	09885092226
6	Mr	Satyanarayana Addala	Swarnandhra college of engineering and technology	addalasyam@gmail.com	9441294755
7	Mr	CH.VINAY KUMAR	Mahatma Gandhi Institute of Technology	chvinaykumar_eee@mgit.ac.in	9492755749
8	Mr	A.Bala Raja Ram	Nadimpalli Satyanaryana Raju Institute of Technology	balaram993@gmail.com	9494375500
9	Mrs	Minakhi Behera	College of Engineering and Technology	mbeheraeee@cet.edu.in	8895638889
10	Mrs	M NALINI DEVI	Mahatma Gandhi Institute of Technology	mnalinidevi_eee@mgit.ac.in	9908011263
11	Mr	V BALARAJU	SVU College Of Engineering Tirupati	vbraju.tpt@gmail.com	+919550445490
12	Mr	THIRIVEEDHI HARIBABU	DBS INSTITUTE OF TECHNOLOGY	haribabu.tee@gmail.com	9441852566
13	Mr	ALLIPILLI YELLAJI	NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY	yellaji202@gmail.com	8500193323
14	Mr	S. SARAVANAN	Velalar College of Engineering and Technology, Erode-12	ssn.ap1@gmail.com	9965783242
15	Mr	Anil Marneni	Chaitanya Bharathi Institute of Technology	manil_eee@cbit.ac.in	8019404814
16	Mr	MURALI MOHAN T	SREE CHAITANYA COLLEGE OF ENGINEERING	tmmhly@gmail.com	+19966883816
17	Mrs	Sowmya G	Vidya Vikas Institute of Engineering and Technology	somymysore@gmail.com	9845454146
18	Mr	Santhosh Raikar M	STJIT Ranebennur	santhuee020@gmail.com	9845962493
19	Ms	Aluri Sai Sree Sarayu	Chaitanya Bharathi Institute of Technology	ugs19013_chem.sai@cbit.org.in	7286095726
20	Mr	Nedunuri Parameshwar	GMR polytechnic GAJWEL	parameshwar22@gmail.com	9985600730
21	Mrs	S.SUDHARANI	Mahatma Gandhi Institute Of Technology	ssudharani_eee@mgit.ac.in	9490520889
22	Mr	K.Dhanraj	Sree chaitanya college of engineering	kdhanraj22@gmail.com	8688738476
23	Mr	G Hari Krishna	Chaitanya Bharathi Institute of Technology(A)	gharikrishna_eee@cbit.ac.in	9948112668
24	Mr	ATHMAKURU RANJITH KUMAR	SVS GROUP OF INSTITUTIONS	athmakuriranjith@gmail.com	9966343624
25	Mr	KOLA SURESH KUMAR	ANURAG COLLEGE OF ENGINEERING	kolasuresh18@gmail.com	9493103985
26	Dr	K. Vinay Kumar	SVS GROUP OF INSTITUTIONS	kvinaykr1@gmail.com	9000416905
27	Mrs	NAGAVENI P	Karpagam Academy of Higher Education	nagaveni.p@kahedu.edu.in	9600396715
28	Dr	P. Ram Kishore Kumar Reddy	Mahatma Gandhi Institute of Technology	ramu.penubaka@gmail.com	9966359780

29	Mrs	P.Lakshmi Supriya	Mahatma Gandhi Institute of Technology	plsupriya18@gmail.com	9966374464
30	Dr	Dr.A.V.G.A.MARTHANDA	Lakireddy Balireddy college of Engineering	avgam989@gmail.com	9441660989
31	Mr	SRINIVAS MODUGU	MATRUSRI ENGINEERING COLLEGE	srinureddy2005@gmail.com	9849170895
32	Mr	KARANGULA PRASANNA	SVS Group Of Institutions	Karangulakrishna98@gmail.com	9059573225
33	Ms	Navya	Ace engineering college	navya.gaddamedi@gmail.com	6304977180
34	Mr	BHUKYA BHAVSINGH	RGUKT BASAR	bhavsingh.eee@rgukt.ac.in	9963800985
35	Dr	Edara V C Sekhara Rao	MVSR ENGINEERING COLLEGE	sekhararao_eee@mvsrec.edu.in	9290448153
36	Mr	KRUSHNA CHANDRA SAHOO	DRIEMS AUTONOMOUS ENGINEERING, CUTTACK	krushna.sahoo@driems.ac.in	9937495597
37	Mr	Arjun Hanumantrao Kardile	Marathwada Institute of Technology,Aurangabad	arjunkardile@gmail.com	8275497289
38	Mr	V. CHANDRA SHEKAR	Guru Nanak Institutions Technical Campus	chandrarada@gmail.com	9966084791
39	Dr	Bhavin Shah	Atharva College of Engineering, Mumbai	hod_electronics@atharvacoe.ac.in	9819991312
40	Mr	DEVIREDDY SATHISH	Chaitanya Bharathi Institute of Technology(A)	dsathish_eee@cbit.ac.in	09492433934
41	Mr	DEBANGA BHATTASALY	Aryabhata Institute of Engineering and Management Durgapur	debangabhattasaly25@gmail.com	8486895524
42	Mr	Subash Ranjan Kabat	Radhakrishna Institute of Technology and Engineering	subashkabat198@@gmail.com	9556089043
43	Mr	CHANDRA PRASAD MODALAVALASA	Nadimpalli satyanarayana Raju institute of technology	chandraprasad.eee@nsrit.edu.in	9700878727
44	Mr	A R Govardhana Naidu	Government polytechnic proddatur	Govardhan217@gmail.com	9885648819
45	Mrs	TIPPANI ANUSHA	JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES	anut2050@gmail.com	9652012881
46	Mr	BALAKISHAN PADAKANTI	Jyothishmathi institute of technology and science	balakishan1975@gmail.com	09848802784
47	Dr	S.SRINATH	Velammal Engineering College,Chennai	srinaths.1976@gmail.com	9791589528
48	Dr	Neelakanteshwar Rao Battu	VNRVJIET	neelakanteshwarrao_b@vnrvjiet.in	08527901648
49	Dr	Haripriya T	VNRVJIET	haripriya_t@vnrvjiet.in	8500225547
50	Mr	GADUPUDI LAKSHMINARAYANA	VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD	lakshminarayana_g@vnrvjiet.in	9441442566
51	Dr	G Radhika	VNRVJIET	radhika_g@vnrvjiet.in	9618618222
52	Dr	Dr. D. Ravi Kumar	VNR Vignana Jyothi Institute of Engineering and Technology	ravi44d@gmail.com	09704564779
53	Mr	Cholleti Harish	Chaitanya Bharathi Institute of Technology(A)	harishch_eee@cbit.ac.in	9441952462
54	Mr	AMARNADH REDDY NALAMALAPU	VNRVJIET	amarnadhreddy_n@vnrvjiet.in	9492758432
55	Dr	N M G kumar	Sree Vidyanikethan Engineering College	kumarnmg@vidyanikethan.edu	9440242873
56	Mr	M. Manohara	Sree Vidyanikethan Engineering College	muppirimanohar@yahoo.com	9451331644
57	Mr	MOHAMMED MUDASSIR GHOURI	VNR VJIET	mohammedmudassir1250@gmail.com	9394662199
58	Mr	BOMMASANI GANESHBABU	vnrvjiet	ganeshbabu_b@vnrvjiet.in	09701479258
59	Mr	Yamsani Akshith	VNR VJIET	Yamsaniakshith@gmail.com	6303069078
60	Mr	D Harsha	Chaitanya Bharathi Institute of Technology (A)	dharsha_eee@cbit.ac.in	9440573124

61	Mr	K. PRAVEEN KUMAR REDDY	Government polytechnic, PRODDATUR, kadapa dist.	praveenk0311@gmail.com	9703248829
62	Dr	D.Sunitha	Velammal Engineering College	Sunithaasenthil@gmail.com	9962244112
63	Ms	Tejaswi Algam	Mahatma Gandhi Institute of Technology	Tejaswi Algam	9652611261
64	Mr	S.MD.MAZHAR UL HAQ	Malla Reddy Institute of Engineering and Technology,Maisammaquda,Hyderabad	mazhar.smd@gmail.com	9030387774
65	Dr	S Premalatha	Velammal Engineering College	premsbala@gmail.com	9444922083
66	Dr	KUNTLA VEERESHAM	VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	veeresham_k@vnrvjiet.in	9603441666
67	Dr	shiva prasad edara	vnrvjiet	shivaprasad_e@vnrvjiet.in	9885977474
68	Mrs	R Geshma Kumari	VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	geshmakumari_r@vnrvjiet.in	9959625215
69	Mr	GOLLA NARESH KUMAR	B.V Raju Institute of Technology Narsapur	nareshkumar.golla@gmail.com	9949632633
70	Mr	P sai niranjan Kumar	Gnits hyd	niranjan.merits@gmail.com	08074560979
71	Mr	C.Jagan Mohan Reddy	Government polytechnic Jammalamadu	jaganreddy212@gmail.com	9000029161
72	Dr	Ahmad Syed	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY	ahmadsyed_eee@cbit.ac.in	9848543912
73	Mrs	P. Veera Bhadra Kumari	Mahatma Gandhi Institute of Technology	kumaripvb@gmail.com	9848066831
74	Mr	KANCHAN SAHA	Patharpratima Government ITI	kanchansaha411@gmail.com	9163697434
75	Mr	RABI RANJAN MUKHERJEE	JLD ENGINEERING & MANAGEMENT COLLEGE	mukherjee.rabi6@gmail.com	09674946720
76	Mrs	Narmada Reddi.B	GNITS	narmada@gnits.ac.in	9490215517
77	Mrs	KUSUMA KUMARI YEMINENI	GOVT POLYTECHNIC KROSUR(212) andhrapradesh	kusuma.yemineni@gmail.com	9908354259
78	Mrs	SELVE V	VELAMMAL ENGINEERING COLLEGE	selveveerabathran@gmail.com	9087128444
79	Mrs	G Angala Parameswari	Velammal Engineering College	angalaparameswari2021@gmail.com	9443066007
80	Dr	K.SURESHKUMAR	Velammal Engineering College	sureshbarath@gmail.com	9865281803
81	Mrs	VIDHYA K	Velammal Engineering College	vidhya@velammal.edu.in	9444103534
82	Mr	N B RAJESH	VELAMMAL COLLEGE OF ENGINEERING AND	nbr2020@rediffmail.com	9965477469
83	Dr	GEETHA RAMAN	Velammal Engineering College	geetharaman1977@gmail.com	9940693206
84	Ms	Preethi L	Dr. Ambedkar Institute of Technology	preethi.lakshmeesh@gmail.com	
85	Dr	SASIKUMAR M	K. S. Rangasamy College of Technology	sasikumarm@ksrct.ac.in	9965167895
86	Mr	SANJIBA KUMAR BISOYI	jssate noida	sanjiba.bisoyi@gmail.com	
87	Ms	Dasyam Sushma	Rajiv Gandhi University Of Knowledge Technologies(IIT), Basar	shushmamarun@gmail.com	8096162036
88	Mr	Lenkalapelly raju	Jayamukhi institute of technological sciences	rajulenkalapelly@gmail.com	809602768
89	Mrs	G Angala Parameswari	Velammal Engineering College	angalaparameswari2021@gmail.com	9443066007
90	Mr	Chaitrashree S R	Velammal Engineering College	chaitrashree123@gmail.com	

Chaitanya Bharathi Institute of Technology(A) Hyderabad

Department of EEE

AICTE – Sponsored Short Term Training Program (STTP-Phase-1)

on

TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

03th - 08th August 2020

S.No.	Participant Name	Score	Do you think the event helps in your future works?	How do you rate the planning of the event?	How do you rate the conduction of the event?	How about the quality of the lectures?	What is your level of satisfaction with this event?	Which aspect of the event did you like most?	Are you likely to participate in our events in the future?
Mr	Musub Mehfooz	12 / 20	Yes	4	4	4	5	Resource persons	Yes
Mr	KASOJU BHARATH KUMAR	13 / 20	Yes	5	5	5	5	All	Yes
Dr	Dr.B Suresh Kumar	14 / 20	Yes	5	5	5	5	planning	Yes
Mr	SHIV SHAMBHU CHOUDHARY	15 / 20	Yes	5	4	4	4	All	Yes
Mr	MADAN MOHAN CHODAVARAPU	15 / 20	Yes	5	5	5	5	All	Yes
Mr	Satyanarayana Addala	16 / 20	Yes	5	4	4	4	All	Yes
Mr	CH.VINAY KUMAR	17 / 20	Yes	5	5	5	5	All	Yes
Mr	A.Bala Raja Ram	20 / 20	Yes	5	5	5	5	All	Yes
Mrs	Minakhi Behera	17 / 20	Yes	5	5	5	5	All	Yes
Mrs	M NALINI DEVI	17 / 20	Yes	5	5	5	5	All	Yes
Mr	V BALARAJU	15 / 20	Yes	5	5	5	5	All	Yes
Mr	THIRIVEEDHI HARIBABU	13 / 20	Yes	5	5	5	5	All	Yes
Mr	ALLIPILLI YELLAJI	14 / 20	Yes	5	5	5	5	All	Yes
Mr	S. SARAVANAN	12 / 20	Yes	5	5	5	5	All	Yes
Mr	Anil Marneni	16 / 20	Yes	5	5	5	5	All	Yes
Mr	MURALI MOHAN T	16 / 20	Yes	4	5	5	4	All	Yes
Mrs	Sowmya G	14 / 20	Yes	5	5	5	5	All	Yes
Mr	Santhosh Raikar M	18 / 20	Yes	5	5	5	5	Resource persons	Yes
Ms	Aluri Sai Sree Sarayu	19 / 20	Yes	5	4	5	4	All	Yes
Mr	Nedunuri Parameshwar	14 / 20	Yes	5	5	5	5	All	Yes
Mrs	S.SUDHARANI	16 / 20	Maybe	4	4	4	4	Resource persons	Yes
Mr	K.Dhanraj	12 / 20	Yes	4	4	4	4	All	Yes
Mr	G Hari Krishna	16 / 20	Yes	5	5	5	5	All	Yes
Mr	ATHMAKURU RANJITH KUMAR	19 / 20	Yes	5	5	5	5	All	Yes
Mr	KOLA SURESH KUMAR	19 / 20	Yes	5	5	5	5	All	Yes

Dr	K. Vinay Kumar	19 / 20	Yes	5	5	5	5	All	Yes
Mrs	NAGAVENI P	16 / 20	Yes	4	4	4	4	All	Yes
Dr	P. Ram Kishore Kumar Reddy	17 / 20	Yes	5	5	5	5	All	Yes
Mrs	P.Lakshmi Supriya	16 / 20	Yes	4	4	4	4	Resource persons	Yes
Dr	Dr.A.V.G.A.MARTH ANDA	18 / 20	Yes	5	4	5	4	All	Yes
Mr	SRINIVAS MODUGU	15 / 20	Yes	5	5	5	5	All	Yes
Mr	KARANGULA PRASANNA KRISHNA	13 / 20	Yes	5	5	5	5	All	Yes
Ms	Navya	12 / 20	Yes	5	5	5	5	All	Yes
Mr	BHUKYA BHAVSINGH	19 / 20	Yes	5	5	5	5	All	Yes
Dr	Edara V C Sekhara Rao	15 / 20	Yes	5	4	4	5	All	Yes
Mr	KRUSHNA CHANDRA SAHOO	12 / 20	Yes	5	5	5	5	All	Yes
Mr	Arjun Hanumantrao Kardile	12 / 20	Yes	5	5	5	5	All	Yes
Mr	V. CHANDRA SHEKAR	12 / 20	Yes	4	5	5	5	planning	Yes
Dr	Bhavin Shah	14 / 20	Yes	5	4	4	4	All	Yes
Mr	DEVIREDDY SATHISH	13 / 20	Yes	5	5	5	5	All	Yes
Mr	DEBANGA BHATTASALY	14 / 20	Yes	5	5	5	5	All	Yes
Mr	Subash Ranjan Kabat	15 / 20	Yes	5	5	5	5	All	Yes
Mr	CHANDRA PRASAD MODALAVALASA	16 / 20	Yes	5	5	5	5	All	Yes
Mr	A R Govardhana Naidu	13 / 20	Yes	5	5	5	5	All	Yes
Mrs	TIPPANI ANUSHA	14 / 20	Yes	4	5	3	4	All	Yes
Mr	BALAKISHAN PADAKANTI	16 / 20	Yes	5	5	5	5	All	Yes
Dr	S.SRINATH	17 / 20	Yes	5	5	5	5	All	Yes
Dr	Neelakanteshwar	12 / 20	Yes	5	5	5	5	planning	Yes
Dr	Haripriya T	13 / 20	Yes	5	4	4	4	All	Yes
Mr	GADUPUDI	14 / 20	Yes	5	5	5	5	All	Yes
Dr	G Radhika	15 / 20	Yes	5	4	4	4	All	Yes
Dr	Dr. D. Ravi Kumar	15 / 20	Yes	5	5	5	5	All	Yes
Mr	Cholleti Harish	16 / 20	Yes	5	5	5	5	All	Yes
Mr	AMARNADH	17 / 20	Yes	5	5	5	5	All	Yes
Dr	N M G kumar	20 / 20	Yes	5	5	5	5	All	Yes
Mr	M. Manohara	17 / 20	Yes	5	5	5	5	All	Yes
Mr	MOHAMMED	17 / 20	Yes	5	5	5	5	All	Yes

Mr	BOMMASANI	15 / 20	Yes	6	5	5	5	All	Yes
Mr	Yamsani Akshlth	13 / 20	Yes	5	6	5	5	All	Yes
Mr	D Harsha	14 / 20	Yes	5	5	5	5	All	Yes
Mr	K. PRAVEEN	12 / 20	Yes	4	5	5	4	All	Yes
Dr	D.Sunitha	16 / 20	Yes	5	5	5	5	All	Yes
Ms	Tejaswi Algam	16 / 20	Yes	5	5	5	5	Resource	Yes
Mr	S.MD.MAZHAR UL	14 / 20	Yes	5	4	5	4	All	Yes
Dr	S Premalatha	18 / 20	Yes	5	5	5	5	All	Yes
Dr	KUNTLA	19 / 20	Maybe	4	4	4	4	Resource	Yes
Dr	shiva prasad edara	14 / 20	Yes	4	4	4	4	All	Yes
Mrs	R Geshma Kumari	18 / 20	Yes	5	5	5	5	All	Yes
Mr	GOLLA NARESH	12 / 20	Yes	5	5	5	5	All	Yes
Mr	P sai niranjan	16 / 20	Yes	5	5	5	5	All	Yes
Mr	C.Jagan Mohan	19 / 20	Yes	5	5	5	5	All	Yes
Dr	Ahmad Syed	19 / 20	Yes	4	4	4	4	All	Yes
Mrs	P. Veera Bhadra	19 / 20	Yes	5	5	5	5	All	Yes
Mr	KANCHAN SAHA	16 / 20	Yes	4	4	4	4	Resource	Yes
Mr	RABI RANJAN	17 / 20	Yes	5	4	5	4	All	Yes
Mrs	Narmada Reddi.B	16 / 20	Yes	5	5	5	5	All	Yes
Mrs	KUSUMA KUMARI	18 / 20	Maybe	4	4	4	4	Resource	Yes
Mrs	SELVE V	15 / 20	Yes	4	4	4	4	All	Yes
Mrs	G Angala	13 / 20	Yes	5	5	5	5	All	Yes
Dr	K.SURESHKUMAR	12 / 20	Yes	5	5	5	5	All	Yes
Mrs	VIDHYA K	19 / 20	Yes	5	5	5	5	All	Yes
Mr	N B RAJESH	15 / 20	Yes	5	5	5	5	All	Yes
Dr	GEETHA RAMAN	12 / 20	Yes	4	4	4	4	All	Yes
Ms	Preethi L	12 / 20	Yes	5	5	5	5	All	Yes
Dr	SASIKUMAR M	15 / 20	Yes	4	4	4	4	All	Yes
Mr	SANJIBA KUMAR B	13 / 20	Yes	5	5	5	5	All	Yes
Ms	Dasyam Sushma	12 / 20	Yes	5	5	5	5	All	Yes
Mr	Lenkalapelly raju	19 / 20	Yes	5	5	5	5	All	Yes
Mrs	G Angala Paramesw	15 / 20	Yes	5	5	5	5	All	Yes
Mr	Chaitrashree S R	12 / 20	Yes	4	4	4	4	All	Yes
Mrs	Pushpanjali	12 / 20	Yes	5	5	5	5	All	Yes

**TRENDS & CHALLENGES
OF HYBRID ELECTRIC
DRIVE UTILITIES IN
TRANSPORT SECTOR-
PHASE-II**

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD
(AUTONOMOUS)**

AUDITED UTILIZATION CERTIFICATE

Name of the scheme under which the amount was sanctioned: **SHORT TERM TRAINING PROGRAMME** for the technical institutions for the Academic Year 2018-19 during the Financial Year 2019-20

AICTE Sanction Order/Letter No.& Date under which the amount was sanctioned	Amount (Rs.)	- CERTIFICATE
File. No. 34-65/288/RIFD/STTP/Policy-1/2018-19 dated 10-01-2020	Grant Received Rs.3,00,000/- (Rupees Three Lakhs Only)	Certified that out of the grant-in-aid of Rs.3,00,000/- (Three Lakhs) sanctioned by the AICTE during the Financial Year 2019-20 as per the letter mentioned in the margin, a sum of Rs, 1,92,689/-(Rupees One Lakh and Ninety Two Thousand Six Hundred and Eighty Nine Only) has been utilized for the purpose for which it was sanctioned, and the balance of Rs.1,07,311/-(One Lakh Seven Thousand Three Hundred and Eleven only) remained unutilized at the end of the program.

Certified that I have satisfied myself that conditions on which the amount was sanctioned have been duly fulfilled and I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised:-

1. Actual Expenditure


A.S.V. Subhadra Devi
Place: CBIT, Hyderabad
Smt. A. S. V. Subhadra Devi
Superintendent, Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075

Full Address with Seal

**Accounts Department
CBIT**

For BOLLA & ASSOCIATES
Chartered Accountants
FRN : 016237S

BOLLA NAVEEN KUMAR
Partner
MRN : 237218


Signature of Head of the Institute
Dr. G. P. Saradhi Varma, Principal,
Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075

Principal
Chaitanya Bharathi Institute of Technology
(Autonomous)
Gandipet, Hyderabad-500075.



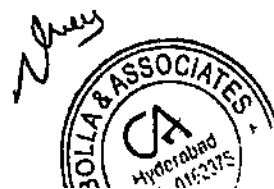
Date: 19-03-2021

UDIN : 21237218-AAAAC01930

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD
(AUTONOMOUS)
FOR RECEIPT AND PAYMENT ACCOUNT
(Financial Year 2020-21)

Ref.: Sanction Letter no File. No. 34-65/288/RIFD/STTP/Policy-1/2018-19 dated 10-01-2020

Sl. No	Date	Receipt	Amount (Rs)	Sl. No	Date	Payments	Amount (Rs)
1	10-01-2020	Amount Sanctioned by AICTE	3,00,000/-				
				1	17/12/2020	Dr. Umakantha Choudhury	9,000/-
				2	17/12/2020	Sri. G. Balawanth Reddy	3,000/-
				3	17/12/2020	Dr. Y. Chandrasekhar	6,000/-
				4	17/12/2020	Mr. M. Desai,	3,000/-
				5	17/12/2020	Sri Y.K. Lee	3,000/-
				6	17/12/2020	Mr. S. Ravi	3,000/-
				7	17/12/2020	Mr. S. Eswar Rao	3,000/-
				8	17/12/2020	Mr. Venkanna	3,000/-
				9	17/12/2020	Mr. Y. Rama Rao	3,000/-
				10	17/12/2020	Dr. P. V. N. Prasad	3,000/-
				11	17/12/2020	Mr. Jatil Sharma	3,000/-
				12	17/12/2020	Dr. R. Gopalan	3,000/-
				13	17/12/2020	Dr. G. Tulasi Ram Das	3,000/-
				14	17/12/2020	Honorarium to Course Coordinator	5,000/-
				15	17/12/2020	Computer Operator	3,000/-
				16	17/12/2020	Internet(Miscellaneous)	1,200/-
				17	25/01/2021	Dr. Umakantha Choudhury	18,000/-
				18	25/01/2021	Mr. M. Desai	4,500/-
				19	25/01/2021	Dr. P. Satish	4,500/-
				20	25/01/2021	Dr. Krishna Vasudevan	4,500/-
				21	25/01/2021	Dr. O. Chandrasekhar	4,500/-
				22	25/01/2021	Dr. V.T. Soma Sekhar	4,500/-
				23	25/01/2021	Dr. S. Venugopalan	4,500/-
				24	25/01/2021	Mr. Jatil Sharma	4,500/-
				25	25/01/2021	Honorarium to Course Coordinator	5,000/-
				26	25/01/2021	Computer Operator	3,000/-
				27	25/01/2021	Internet(Miscellaneous)	1,189/-



				28	Phase- III Expenditure	18/03/2021	Dr. Umakantha Choudhury	15,000/-	
				29		18/03/2021	Raunak Choudhury	4,500/-	
				30		18/03/2021	Mr. S. Ravi	4,500/-	
				31		18/03/2021	Prof. V N Achutha Naikan	4,500/-	
				32		18/03/2021	Prof. Krishna Vasudevan	4,500/-	
				33		16/03/2021	Mr. M. Desai	4,500/-	
				34		18/03/2021	Dr. NVPR Durga Prasad	3,000/-	
				35		18/03/2021	Mr. Venkanna	3,000/-	
				36		18/03/2021	Mr. S. Eswar Rao	4,500/-	
				37		18/03/2021	Dr. G. Tulasi Ram Das	4,500/-	
				38		18/03/2021	Dr.S.Venugopalan	4,500/-	
				39		16/03/2021	Honorarium to Course Coordinator	5,000/-	
				40		16/03/2021	Computer Operator	3,000/-	
				41		18/03/2021	Miscellaneous	9,300/-	
				42		18/03/2021	Auditor Fee	2,500/-	
Grand Total		3,00,000/-						Grand Total	1,92,689/-

A.S.V. Subhadra Devi
Smt. A. S. V. Subhadra Devi
Superintendent, Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075

Accounts Department
CBIT

G.P.S. →
Signature of Head of the Institute
Dr. G. P. Saradhi Varma, Principal,
Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075
Principal
Chaitanya Bharathi Institute of Technology
(Autonomous)
Gandipet, Hyderabad-500 075.

For BOLLA & ASSOCIATES
Chartered Accountants
FRN : 016237S
BOLLA NAVEEN KUMAR
Partner
MRN : 237218



Place: CBIT, Hyderabad
Date: 19-03-2021



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Date: 20.03.2021

To
The Manager,
ICICI Bank

Dear Sir,

Sub: Remittance of Amount by NEFT/RTGS

We enclose here with our Cheque No. 000432 dated 20.03.2021 for Rs.1,07,311/- drawn in your drawn in your favour on A/c. No. 438501000041 and request you to send NEFT/RTGS Member, Secretary, AICTE, New Delhi as per details given here under.

Name of Beneficiary	:	Member, Secretary, AICTE, New Delhi
Beneficiary Bank Name	:	SBI
Beneficiary Account Number	:	55113100050
Beneficiary Branch Name	:	Shastri Bhawan, New Delhi
Beneficiary IFSC Code	:	SBIN0050203

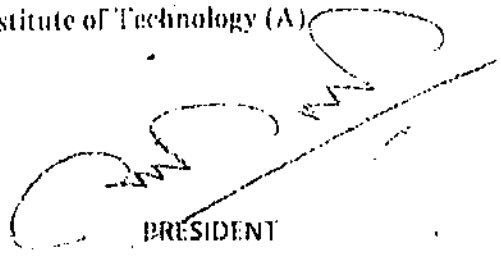
Kindly acknowledge.

Thanking you

Yours Faithfully

For Chaitanya Bharathi Institute of Technology (A)

PRINCIPAL




PRESIDENT

20.03.2021

0001035671

ICICI BANK LIMITED
GANDHIDEB
30 MAR 2021



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



STTP- Sanction Letter

Ref. No. 34-65/288/RIFD/STTP/Policy-1/2018-19

Date **10 JAN 2020**

To

The Drawing and Disbursing Officer,
All India Council for Technical Education,
Nelson Mandela Marg,
Vasant Kunj, New Delhi - 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2018-19 during the financial year 2019-20- reg.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 300000 /- (Rupees Three Lakh Only)** for conduct of Short Term Training Program as per details given below:-

1.	Name and address of the beneficiary University / Institution	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075 RANGAREDDI-500075 Telangana
2.	Permanent ID of Institute	1-4735791
3.	Institute type	Unaided - Private
4.	Name of Coordinator	Dr. MURALI TANGIRALA
5.	Amount sanctioned	Rs. 300000/-
6.	Amount to be released	Rs.300000/- Full & final payment
7.	Head of account	601.15(a) Gen. Short Term Training Programme (Plan)
8.	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL
9.	Title of the programme	Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.
2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

3. The Principal of the Institute and the Coordinator of the Program are requested to verify the correctness of the under-mentioned Bank Account / RTGS Details submitted by them alongwith the proposals, in which the grant is being released:-

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AABTC1906A	Andhra Bank	CBIT Campus, Kokapet Branch	CBIT post, Gandipet, Hyderabad	Chaitanya Bharathi Institute of Technology	Current Account	064311011000003	ANDB0000643

Instructions/Guidelines to be followed by the University/Institution

I. Disbursement of funds to University/Institutions

- The full amount of the grant sanctioned is being released as advance to the University/Institute.
- The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.
- The above said amount of grant shall be refunded back to AICTE if the Letter of Approval (LOA) / Extension of Approval (EOA) is not issued by AICTE to the institute for the academic year 2019-20.

II Maintenance of Accounts

- The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including two outstations resource persons & working expenses (reprographic services, postage, transport, daily wages, tea/coffee etc).

III. Conduct of test and issuance of certificate

A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test.

IV. Submission of Documents by the University/Institutions to AICTE

a. The following **mandatory relevant documents** are required to be submitted by the University/Institution within one month of the completion of the program:-

(i) Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Format for the same is available on AICTE web portal.

The University/Institution is not required to submit bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.

(ii) Feedback form in the prescribed proforma.

(iii) Copy of the proceedings and completion report.

(iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Evaluation Committee (PEC).

(v) Report submitted by Program Evaluation Committee (PEC).

b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.

V. General instructions

a. **Preferably 10% of the participants may be industry professionals deputed by industry. Further, not more than 2 participants shall be from the host institution/group of institutions.**

b. **Money to be reimbursed on the grant (for any reasons to include unspent amount, interest, penalty if imposed) shall be refunded back to AICTE in the form of Demand Draft payable to Member Secretary, AICTE, New Delhi.**

c. **As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.**

d. **The STTP is a residential program of a duration of six days with minimum 40 participants. The approved STTP shall be conducted within three months from the date of release of funds.**

e. **If programme is not conducted in the period of three months of the issuance of this Sanction Order, the released amount, alongwith interest accrued thereon, has to be necessarily returned back to AICTE within a month.**

f. **The expenditure under the Heads 'Honorarium to Course Coordinator' and 'Honorarium to Resource Persons' shall not exceed 1% & 20% respectively of the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.**

- g. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be compromised.
- h. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No. 34-65/288/RIFD/STTP/Policy-1/2018-19 in your future correspondence.
- i. **Program Evaluation Committee (PEC)** is required to be constituted at institutional level. The constitution of the PEC shall be as under:

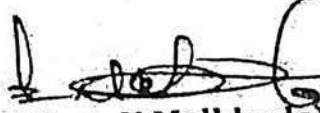
- (i) Principal/Director/Registrar of the institution (Chairperson).
- (ii) Coordinator of the program (Member Secretary).
- (iii) Two HoDs and one subject expert (members).

The members of the said PEC shall not be below the rank of Associate Professor. A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PEC report, are to be submitted to the Council at end of the program along with other mandatory documents.

- j. **GoI GFR rules** (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.
- k. This Sanction Order may be treated as Offer Letter for all purposes.

NOTE:- Any deviation from the above will invoke serious action against the Institute.

Yours sincerely,


(Dileep N Malkhede)
Advisor-I (RIFD)

116 JAN 2020

Copy forwarded for information and necessary action to:-

1. **Name and Address of the Coordinator**
Dr. MURALI TANGIRALA
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075
HYDERABAD 500075 Telangana
2. **The Registrar / Director / Principal**
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075
HYDERABAD 500075 Telangana



Phone : 011-26131576, 77, 78, 80
Website : www.akte-india.org



अखिल भारतीय तकनीकी शिक्षा परिषद्
(भारत सरकार का एक सांविधिक निकाय)
मानव संसाधन विकास मंत्रालय, भारत सरकार
नेल्सन मंडेला मार्ग, नई दिल्ली-110067

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(A Statutory Body of the Govt. of India)
Ministry of Human Resource Development, Govt. of India
Nelson Mandela Marg, New Delhi-110067

Col. B. Venkat
Director (FDC)
E-mail: director.fdc@aicte-india.org
Mob. No. 8130255472

25 June 2020

Sub:-For information of AICTE approved institutes which have received grants for conducting STTP's/FDP's under AQIS 2018-19.

Sir,

This is in reference to grants released by AICTE under AQIS 2018-19 for conduct of STTP's/FDPs. It is being observed that due to present circumstances of ongoing pandemic of COVID-19, most of Institutes are facing difficulties in organizing and conducting STTP's. This office has received a number of requests from various institute to allow on line method of conducting STTP/FDP to complete their commitments.

In this regard, it is to inform that all such institutes, which have already received grants for conducting STTP's/FDPs through prevailing contact mode, are **allowed to conduct STTP's through online mode subject to following conditions:**

- (i) The Institute will be allowed to adjust the grants received for STTP at following rates:-

a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 75000.00
c.	Provision for payment to lab attendant engaged during lab practices	Rs. 3000.00
d.	miscellaneous charge	Rs. 10000.00
Total for each STTP's		Rs 93000.00

- (ii) The Institute will conduct more than one STTP's in multiples of Rs. 93000.00 within the total grant received by it and shall return the balance unspent amount to AICTE.

c.g.

if an Institute has received grant for STTP,	=Rs 3,00,000.00
Cost of three STTP	3x93000= Rs. 279000.00
Balance	= Rs. 21,000.00

The institute will return the balance unspent amount of Rs.21,000.00 alongwith interest earned on such amounts to AICTE while submitting UC for adjustment of accounts for keeping its eligibility for receiving grants in next AQIS

- (iii) The institute will conduct all three STTP's as explained above on the same topic which has been approved by AICTE while releasing the grants.
- (iv) Firm dates for each program will be intimated to AICTE beforehand.

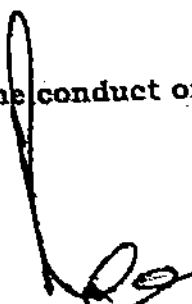
On similar lines FDP (02 week program) to be conducted online has the following approval totaling to Rs. 1,86,000.00.

a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 1,68,000.00
c.	Provision for payment to lab attendant engaged during lab practices	Rs. 3000.00
d.	miscellaneous charge	Rs. 10000.00
Total for each FDPs		Rs 1,86,000.00

The conducting of FDP's (two weeks program) shall be subjected to the similar conditions (i) to (iv) given above for conduct STTP courses, except rates of Honorarium to experts.

You are requested to acknowledge receipt of above guidelines and convey your consent if your institute is ready for conducting the STTP through online format on conditions explained above.

It is once again reiterated that online conduct of FDP & STTP will be on explicit permission of AICTE.


 Yours sincerely,
 25 June 2020
 Director (FDC)

Fwd: CBIT, Hyderabad - Pandemic situation – Permission to conduct the STTP Online – Requested - Reg.

Sun, Aug 2, 2020 at 6:11 PM

Principal CBIT <principal@cbit.ac.in>

To: EEE HEAD <hod_eee@cbit.ac.in>, "Dr.T.Murali Krishna Assistant Professor" <tmuralikrishna_eee@cbit.ac.in>

----- Forwarded message -----

From: Col B Venkat <director.fdc@aicte-india.org>

Date: Sun, Aug 2, 2020, 5:09 PM

Subject: Re: CBIT, Hyderabad - Pandemic situation – Permission to conduct the STTP Online – Requested - Reg.

To: Principal CBIT <principal@cbit.ac.in>

1. Conduct of 03 STTTPs in online mode are hereby approved.

2. Following to be ensured

- Each STTP will be for 06 days from Monday to Saturday, followed by an online exam on last working day ie. Saturday. Certificates will only be issued to those participants who have attended regularly and qualify in the exam with minimum 60% marks.

- STTTPs to be scheduled in such a manner that in a month only one is conducted (Space it out evenly so as to complete it by 31 Dec 2020).

- Post successful completion, balance unutilised amount along with interest generated will be returned by RTGS as per the letter.

- Online link of the inauguration will be shared with this office for all the STTTPs with an invite for the inaugural function.

3. This will be treated as an official correspondence on the subject and will be enclosed at the time of submission of Final Utilisation certificate.

With warm regards,

Col B Venkat,

Director (Faculty Development)

AICTE, New Delhi

Mobile - 8130255472

On Fri, Jul 31, 2020 at 2:33 PM Principal CBIT <principal@cbit.ac.in> wrote:

Respected Sir,

Ref : 1. STTP- Sanctioned - L.No.34-65/288/RIFD/STTP/Policy-1/2018-19 dated.10-01- 2020

(Enclosed)

2. Letter issued by AICTE regrading this dated 25-06-2020. (Enclosed)

3. Brochure of STTP (Phase-1) -(Enclosed)

4. Tentative Schedule

This is to bring to your kind notice that the Department of Electrical and Electronics Engineering of our Institute got sanctioned with Rs.3,00,000/- to conduct STTP on "Trends and Challenges of Hybrid Electric Drive utilities in Transport sector" as Dr. T. Murali Krishna as coordinator, vide Ref.(1) cited

CHIEF PATRON

Kavi Kireeti Dr. V MALAKONDA REDDY
President, CBIT

PROGRAM MONITORING COMMITTEE (PEC)

Prof. G. P. SARADHI VARMA (Chairman)
Principal, CBIT

Prof. U. K. CHOUDHURY (Subject Expert)
Director I&I, CBIT

Prof. G. SURESH BABU
Head, Dept. of EEE

Prof. D. KRISHNA REDDY (Member)
Head, Dept. of ECE

Prof. P.V.R. RAVINDRA REDDY (Member)
Head, Dept. of Mechanical Engineering

Dr. T. MURALI KRISHNA
(Coordinator-STTP & Member secretary-PEC)
Associate Professor, Department of EEE

CO-COORDINATORS

Sri M. NAGARAJU,
Assistant professor, Dept. of EEE

Dr. N.V. PHANENDRA BABU,
Assistant professor, Dept. of EEE

Registration Fee

Free

IMPORTANT DATES

Last date for Registration : 30-10-2020

Intimation of selection : 31-10-2020

HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

E-certificate will be issued to those Participants who attend 80% of the sessions and clear the exam with 60% marks.

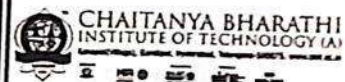
FOR FURTHER DETAILS PLEASE CONTACT

E-mail: sttpeee@cbit.ac.in

Mobile: 7702578106, 7013526685, 9866479770

REGISTRATION LINK

<https://forms.gle/keJiThYkvxaGqwf9>



41



AICTE – Sponsored

SHORT TERM TRAINING PROGRAM (STTP)

Phase - II

on

TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

02nd – 07th November, 2020

Organized by

DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(Autonomous)

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institutes in INDIA, in Telangana State. The Institute offers Eleven UG and Eleven PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous.



ABOUT THE DEPARTMENT

CBIT started Electrical & Electronics Engineering UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a

course in Power Systems & Power Electronics in 2006 with an intake of 18 and was accredited by NBA in the year 2016. The Department has highly qualified and experienced faculty. The Department is having well equipped labs with latest Hardware & Software. The Department is also certified by ISO 9001:2008. The Department is recognized as Research Centre in 2017 by Osmania University to carry out research for the award of Ph.D. degree. The Department is keen on developing consultancy services and welcomes funding research from outside agencies. The Department in the year 2019-20 has received a funding of Rs.2,72,000 under AICTE-STTP Scheme for MATLAB Research Methodology project, Rs. 3,00,000 under AICTE-STTP scheme for Hybrid Electric Utilities Project and Rs.11,00,000 under AICTE-RPS Scheme for Development of Low-Cost Flexible Quality Conditioner to Mitigate Power Quality Issues and MODROBS for special electrical machines to the tune of Rs.17 Lakh.

ABOUT THE FDP

Deterioration in air quality, global warming, and a decrease in petroleum resources are becoming the major threats to human beings. More and more stringent emissions and fuel consumption regulations are stimulating an interest in the development of safe, clean, and high-efficiency transportation. It has been well recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades,

the research and development activities related to of high efficiency, clean, and Modern Electric, Hybrid Electric, and Fuel Cell Vehicles safe transportation.

TOPICS TO BE COVERED IN STTP

- ↓ Over View of Electric Vehicle & Govt. Policies
- ↓ Hybrid Electric Vehicle and its performance
- ↓ Electric Vehicle Mechanics and Modelling
- ↓ Power Converters for Electric Vehicles
- ↓ PM motor Drives for EVs
- ↓ Induction Machine Drives for EVs
- ↓ High Energy Batteries
- ↓ Charging Stations & Wireless Chargers
- ↓ Testing & Certification
- ↓ PWM Techniques for Inverters

RESOURCE PERSONS

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries like Tata Motors, and host Institution.

TARGET GROUP

The STTP is expected to benefit Engineers, Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.

UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a

recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades,

Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)
Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

41
years

AICTE – Sponsored Short Term Training Program (STTP-Phase-2) Schedule

On
TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR
02nd - 07th November 2020

	11.30 AM – 1.00 PM		2.30 PM – 4.00 PM
02-11-2020 Monday	Overview of Electric Mobility, Policy and Guidelines, National and International Trends and Challenges Dr. U.K. Choudhury, Prof. & Director (I&I), CBIT, (Ex ED, CTM, BHEL)	Lunch break	Permanent Magnet Motor drives for Electric Vehicle Dr. U.K. Choudhury, Prof. & Director (I&I), CBIT, (Ex ED, CTM, BHEL)
03-11-2020 Tuesday	Hybrid Electric Vehicle, Series/Parallel Hybrid, Plug-in Hybrid Vehicle Dr. U.K. Choudhury, Prof. & Director (I&I), CBIT, (Ex ED, CTM, BHEL)		Advances in Multi-Level Inverters Dr. P. Satish Kumar, Associate Professor, Dept. of EEE, Osmania University
04-11-2020 Wednesday	Electric Hybrid Vehicle Mechanics, Modelling and Performance Calculation Dr. U.K. Choudhury, Prof. & Director (I&I), CBIT, (Ex ED, CTM, BHEL)		Design and Analysis of Power Converters for Electric Vehicles, Dr. Krishna Vasudevan, Professor, IIT Chennai
05-11-2020 Thursday	Power Converters for Hybrid Electric Vehicle Dr. O. Chandrasekhar, Associate Professor, Dept. of EE, NIT-Srinagar		Open-end winding Induction Motor Drives Dr. V.T. Soma Sekhar, Professor, Dept. of EE, NIT-Warangal
06-11-2020 Friday	Testing and Certification Mr. Manoj Desai, General Manager, ARAI, Pune		High Energy Batteries for EV Applications Dr. S. Venugopalan, Prof. PES College of Engg. (Ex ISRO Official)
07-11-2020 Saturday	Electric Vehicle for Transport Application Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.		Test, Feedback and valedictory

[Signature]
Coordinator-STTP

[Signature]
HoD - EEE, CBIT

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD-75
Department of Electrical & Electronics Engineering

Date: 26-10-2020

Minutes of the meeting conducted on 26th October, 2020.

Members Present:

1. Dr. G. P. Saradhi Varma, Principal, CBIT *G.P.S.V.*
2. Dr. G. Suresh Babu, Prof & Head, Dept. of EEE, *G.S.B.*
3. Dr. U.K. Choudhury, Prof. Dept. of EEE, *U.K. Choudhury*
4. Dr. D. Krishna Reddy, Head, Dept. of ECE, *D.K.R.*
5. Dr. P.V. R. Ravindra Reddy, Head, Dept. of Mechanical Engg., *P.V.R.R.*
6. Dr. T. Murali Krishna, Assoc. Prof, Dept. of EEE, *T.M.K.*
7. Mr. M. Nagaraju, Asst. Prof, Dept. of EEE, *M.N.*
8. Dr. N.V. Phanendra Babu, Asst. Prof, Dept. of EEE, *N.V.P.B.*

The meeting started with the greetings from the Head of the department.

Item No.1 : To form Program Evaluation Committee

Minutes : Principal Dr. G. P. Saradhi Varma asked the same members to be in PEC

Item No.2 : To Conduct STTP Phase-II on on-line mode

Minutes : HoD asked the coordinator of STTP to prepare Brochure & Schedule for STTP Phase -2 as per the AICTE guidelines and send the invitation link to AICTE.

Item No.3: Conduct of STTP

Minutes : Dr. U. K. Choudhary suggested resource persons for the STTP.

Sri. M. Nagaraju & Dr. N. V. Phanendra Babu are asked be the co-coordinators for Phase-2

Report on AICTE Sponsored STP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR" during 07th - 07th November 2020

03-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. P. Satish Kumar, Associate Professor, Dept. of EEE, Osmania University

Topic: **Advances in PWM techniques for inverters**

The resource person has given overview of Space-Vector pulse width modulation-based algorithm for multilevel inverters. He explained different pulse width modulation techniques used for multilevel inverters. He started with conventional two-level inverter operation and he focussed on detailed explanation of space-vector pulse width modulation technique. He has shown the comparison between two level and three level inverters in various parameters.

04-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: **Electric Hybrid Vehicle Mechanics, Modelling and Performance Calculation**

The session started with a description on series and parallel electric vehicle and regenerative braking in electric vehicles, and the comparison of TCO and payback for electric vs diesel buses. The variation of braking with respect to deceleration rate has explained. The concept of rolling resistance and grading resistance of road has been discussed for different types of roads. The torque development of the motor with respect to different surfaces is explained. Later, he discussed about aero dynamics concept of wind pressure on vehicle. How the rolling resistance varies with the speed of the vehicle has shown in the graph.

04-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. Krishna Vasudevan, Professor, IIT Chennai

Topic: **Design and Analysis of Power Converters for Electric Vehicles**

Sir started the session with steps involved for designing an inverter. He explained the selection procedure for power device based on current rating and power loss. Heat sink design considerations explained for inverter. Then he differentiated between diode voltage drop and IGBT voltage drop during selection of power device. The design of DC bus with a decoupling capacitor has been discussed. He also given detailed description about gate driver circuits by considering dead time and its effects.

05-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Dr. O. Chandrasekhar, Associate Professor, Dept. of EE, NIT-Srinagar

Topic: **Power Converters for Hybrid Electric Vehicle**

In this lecture, sir has given a detailed explanation of converter regarding objective, applications, IEC standards, general representation of converters. He compared various topologies implemented and available for converters and implementation of IB3 converter. For a given duty cycle what is a simulated voltage and what is a theoretical voltage also been explained. Then the same voltages have observed with different duty cycle. He has shown graphical explanation of power factor, efficiency and ripple content with respect to duty cycle variation. He also discussed the total

2

Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR" during 02nd - 07th November 2020

harmonic distortion by varying the voltage from 90 volts to 260 volts, and load with different impedances. for a proposed topology.

05-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. V.T. Soma Sekhar, Professor, Dept. of EE, NIT-Warangal

Topic: Open-end winding Induction Motor Drives

This session started with two level inverter concepts. The switches toggling, current waveform and voltage waveform has been explained with wave shape and it is non sinusoidal. Then he discussed the drawback of non-sinusoidal voltage given to induction motor. And sir discussed about pole voltage, motor phase voltage and common mode voltage with calculation of motor phase voltage with remaining two voltages. Sir has given detailed description of switching states and null states of two level inverter with total harmonic spectra with modulation and without modulation. He said how to get three level from two level inverter using space vector modulation. Then neutral point clamped and cascaded inverter concepts have been explained. He focussed on open end winding induction motor with isolated DC source. How to reduce the effect of zero sequence currents also been discussed.

06-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Mr. Manoj Desai, General Manager, ARAI

Topic: Testing and Certification

This session is on testing and certification of electric vehicles. Sir has explained why the standards are required and salient features of electric vehicle. The regulation frame work and the rules followed by vehicle certification of less than 250 watts rating. Also discussed about type approval testing with verification, safety and performance. Then the battery management systems and their performance has been discussed. He focussed on ARAI approaches such as AIS 038 for M and N vehicles, AIS 156 high category vehicle. Described about the AIS 157 and 168 for fuel cell and agricultural. The classification and standards for battery charging stations also depicted. The phase-2 of FAME scheme implemented by govt of India is also been discussed.

06-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. Venugopal, Ex- ISRO official.

Topic: High Energy Batteries and Performance

Started with definition of battery and its specifications like energy density, power density and safety. Classification of batteries based on active materials, electrolytes, and case materials etc. And then he discussed about various materials used for anode, cathode, separator and electrolyte etc. He quoted about evolving process of Lithium manganese aluminium oxides in the battery technology. Sir has focussed more on progress of Lithium ion, silicon anode and try electrode. Then he discussed about electric vehicle battery pack design trade off. He quoted about aerodynamics and electric vehicles in the city limits. National Automotive testing R&D infrastructure project is also been discussed. Sir explained about battery swapping also.

Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR" during 02nd - 07th November 2020

07-11-2020

Session-1

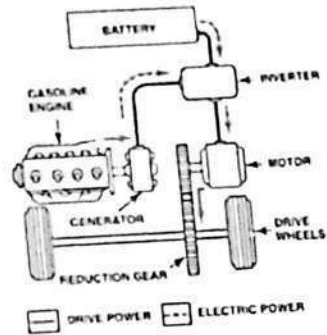
Time: 11:30 AM to 1:00 PM

Speaker: Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.

Topic: Electric Vehicle for Transport Application

The vehicles landscape in India is introduced by the resource person. Discussed about EVs, BEVs, ZEVs & BOU etc., electric vehicles viabilities like charging infrastructure, increased efficiency, reduction of cost and policies related to motor drive technology. He more focused on innovation, life cycle, project management. Then continued with the products developed for various applications like EVs in golf-carts, vehicles for cleaning of solar panels, e-ambulances in hospitals, missile carriers in defence sector, vehicles for vigilance & security, forest & tourism, public health and sanitation by Tejaswi GreenEngg. Pvt. Ltd.

Series Hybrid EV



- Petrol engine runs a generator
- Generator may either charge the batteries or power an electric motor that drives the transmission

- Lower fuel cost
- Reduced tailpipe emissions
- recovers energy from braking
- IC engine can run at constant speed, thus increases the engine efficiency
- Reduced IC engine capacity
- Best suited for city transport

Engine/Motor Capacity

Engine
Motor

Series hybrid is the most popular hybrid technology for city transport



Director Incubation & Innovation

AICTE – Sponsored Short Term Training Program (STTP-Phase-2)
 On
 TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR
 02nd - 07th November 2020

List of participants shortlisted for Certificates

PDF No.	Participant Name (which you want to be printed on the certificate)	Registered Email	Name of the College/Industry
2	S Manohar Reddy	sayri.manohar@gmail.com	S Manohar Reddy
3	Yassar Arfat	yassar@bgsbu.ac.in	Department Electrical Engineering SoET BGSB University Rajouri J&K UT India
4	R Chander	chander.ramavath@gmail.com	University college of engineering osmania University Hyderabad
5	Dr. K.MUTHU	mkrithivasan283@gmail.com	Institute of Chemical Technology, Taramani, Chennai 113
6	Dr.P.MARISH KUMAR	p.marishkumar@gmail.com	EASWARI ENGINEERING COLLEGE
7	SRINU BHUKYA	srinu.bhukya@gmail.com	OSMANIA UNIVERSITY
8	SUDHIR KUMAR SHARMA	sudhirs390@gmail.com	SLIET LONGOWAL
9	ABHAS KUMAR SINGH	abhasnith@gmail.com	IEEE (MEMBER)
10	Amar Nath sah	amar@nii.ac.in	National Institute of Immunology
11	ENUMULA MANOJ	enumulamanoj@gmail.com	Jayamukhi Institute of Technological Sciences
12	Madgula Satyanarayana	m.satya78@gmail.com	Jayamukhi institute of technological sciences
13	BIBHU PADARBINDA MOHANTY	bibhu.cetb@gmail.com	COLLEGE OF ENGINEERING AND TECHNOLOGY, BHUBANESWAR
14	Edara V C Sekhara Rao	sekhararao_eee@mvsrec.edu.in	M. V. S. R. Engineering College
15	Venkateswarlu Velisala	2venkee@gmail.com	VKR VNB & AGK College of Engineering
16	BURRI ANKAI AH	anks202@gmail.com	REVA University
17	VIKRAM SINGH BHATI	bhati.vikram2@gmail.com	ARYA COLLEGE OF ENGINEERING AND INFORMATION TECHNOLOGY
18	M.VENKATACHALAM	venkatachalam.m@eec.srmmp.edu.in	EASWARI ENGINEERING COLLEGE
19	K.V.THILAGAR	thilagar.v@eec.srmmp.edu.in	Easwari Engineering College
20	PRITAM SINGHA RAY	pritam.singha.ray@gmail.com	Bankura Government Polytechnic
21	PRAKASH C	prakashvajju@gmail.com	JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
22	MD SAZZAD	alimd31809@gmail.com	ARKA JAIN UNIVERSITY JAMSHEDPUR JHARKHAND
23	RASMIRANJAN SAMAL	rasmiranjan.samal@silicon.ac.in	SILICON INSTITUTE OF TECHNOLOGY SAMBALPUR

24	KIRAN YADDANAPUDI	kiran045@gmail.com	Jawaharlal Nehru Technological University Hyderabad, Hyderabad
25	P. RAMKISHORE KUMAR REDDY	prkkreddy252@gmail.com	Mahatma Gandhi Institute of Technology
26	P Lakshmi Supriya	plsupriya18@gmail.com	Mahatma Gandhi Institute of Technology
27	K Krishnaveni	krishnaveni_eee@cbit.ac.in	Chaitanya Bharathi Institute of Technology
28	KOLA SURESH KUMAR	kolasuresh18@gmail.com	ANURAG COLLEGE OF ENGINEERING
29	DASYAM SUSHMA	shushmamarun@gmail.com	RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (IIIT),BASAR
30	Elisha Undeti	elisha27u@gmail.com	Vasavi College of Engineering
31	DEVAREDDY HARSHA	dharsha_eee@cbit.ac.in	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)
32	KUNTLA VEERESHAM	veeresham_k@vnrvjiet.in	VNR Vignana Jyothi Institute of Engineering and Technology
33	Mrs.N.PRIYA	priya.n@eec.srmmp.edu.in	EASWARI ENGINEERING COLLEGE
34	S.Rajesh	rajesh118@gmail.com	University College of engineering Osmania University
35	ARUL SELVAN S	arul.automobile@gmail.com	MADRAS INSTITUTE OF TECHNOLOGY
36	CHENNAIAH BANOTH	banoth.chennaiah@gmail.com	JNAFA UNIVERSITY
37	JAGDISH PITAMBAR DHOLWANI	jagdishdholwani@gmail.com	NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR ASSAM
38	V RAJA KUMAR	coolvrajakumar@gmail.com	GITAM DEEMED TO BE UNIVERSITY
39	Ms.R.RAMYA	chanmeya.17@gmail.com	K.S.K COLLEGE OF ENGINEERING AND TECHNOLOGY
40	Dr.M.RAJMAL JOSHI	rajmaljoshi@gmail.com	PANIMALAR ENGINEERING COLLEGE
41	CHADARAM CHANDRA SEKHAR	cschandu.chandra@gmail.com	NIT WARANGAL
42	Dr. ANANTHABABU PALAPARTHI	ananthatnet@gmail.com	Malla Reddy Engineering College(Autonomous)
43	Swati Paliwal	swatipaliwal_eee@mgit.ac.in	Mahatma Gandhi institute of technology
44	VIGNESH G	vignesh.g@eec.srmmp.edu.in	Easwari Engineering College
45	TIPIRISETTI RAKESH	tipirisettirakesh21@gmail.com	University College of Engineering Osmania University
46	GOTTIPATI MADHURI	gottipati.madhuri@gmail.com	Vignan Institute of Technology and Science
47	N NAGESWARA REDDY	nageshreddy218@gmail.com	NIT TIRUCHIRAPPALLI
48	S.KARKUZHALI	skarkuzhali.eee@rmd.ac.in	R.M.D. ENGINEERING COLLEGE

Coordinators

Head of the Department, EEE, CBIT(A)

**TRENDS & CHALLENGES
OF HYBRID ELECTRIC
DRIVE UTILITIES IN
TRANSPORT SECTOR-
PHASE-II**

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD
(AUTONOMOUS)**

AUDITED UTILIZATION CERTIFICATE

Name of the scheme under which the amount was sanctioned: **SHORT TERM TRAINING PROGRAMME** for the technical institutions for the Academic Year 2018-19 during the Financial Year 2019-20

AICTE Sanction Order/Letter No.& Date under which the amount was sanctioned	Amount (Rs.)	- CERTIFICATE
File. No. 34-65/288/RIFD/STTP/Policy-1/2018-19 dated 10-01-2020	Grant Received Rs.3,00,000/- (Rupees Three Lakhs Only)	Certified that out of the grant-in-aid of Rs.3,00,000/- (Three Lakhs) sanctioned by the AICTE during the Financial Year 2019-20 as per the letter mentioned in the margin, a sum of Rs, 1,92,689/-(Rupees One Lakh and Ninety Two Thousand Six Hundred and Eighty Nine Only) has been utilized for the purpose for which it was sanctioned, and the balance of Rs.1,07,311/-(One Lakh Seven Thousand Three Hundred and Eleven only) remained unutilized at the end of the program.

Certified that I have satisfied myself that conditions on which the amount was sanctioned have been duly fulfilled and I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised:-

1. Actual Expenditure


A.S.V. Subhadra Devi
Place: CBIT, Hyderabad
Smt. A. S. V. Subhadra Devi
Superintendent, Chaitanya Bharathi Institute of Technology, Chaitanya Bharathi(Post), Gandipet, Hyderabad-500075

Full Address with Seal

**Accounts Department
CBIT**

For BOLLA & ASSOCIATES
Chartered Accountants
FRN : 016237S

BOLLA NAVEEN KUMAR
Partner
MRN : 237218


Signature of Head of the Institute
Dr. G. P. Saradhi Varma, Principal,
Chaitanya Bharathi Institute of Technology, Chaitanya Bharathi(Post), Gandipet, Hyderabad-500075

Principal
Chaitanya Bharathi Institute of Technology
(Autonomous)
Gandipet, Hyderabad-500075.



Date: 19-03-2021

UDIN : 21237218-AAAAC01930

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY:: HYDERABAD
(AUTONOMOUS)
FOR RECEIPT AND PAYMENT ACCOUNT
(Financial Year 2020-21)

Ref.: Sanction Letter no File. No. 34-65/288/RIFD/STTP/Policy-1/2018-19 dated 10-01-2020

Sl. No	Date	Receipt	Amount (Rs)	Sl. No	Date	Payments	Amount (Rs)
1	10-01-2020	Amount Sanctioned by AICTE	3,00,000/-				
				1	17/12/2020	Dr. Umakantha Choudhury	9,000/-
				2	17/12/2020	Sri. G. Balawanth Reddy	3,000/-
				3	17/12/2020	Dr. Y. Chandrasekhar	6,000/-
				4	17/12/2020	Mr. M. Desai,	3,000/-
				5	17/12/2020	Sri Y.K. Lee	3,000/-
				6	17/12/2020	Mr. S. Ravi	3,000/-
				7	17/12/2020	Mr. S. Eswar Rao	3,000/-
				8	17/12/2020	Mr. Venkanna	3,000/-
				9	17/12/2020	Mr. Y. Rama Rao	3,000/-
				10	17/12/2020	Dr. P. V. N. Prasad	3,000/-
				11	17/12/2020	Mr. Jatil Sharma	3,000/-
				12	17/12/2020	Dr. R. Gopalan	3,000/-
				13	17/12/2020	Dr. G. Tulasi Ram Das	3,000/-
				14	17/12/2020	Honorarium to Course Coordinator	5,000/-
				15	17/12/2020	Computer Operator	3,000/-
				16	17/12/2020	Internet(Miscellaneous)	1,200/-
				17	25/01/2021	Dr. Umakantha Choudhury	18,000/-
				18	25/01/2021	Mr. M. Desai	4,500/-
				19	25/01/2021	Dr. P. Satish	4,500/-
				20	25/01/2021	Dr. Krishna Vasudevan	4,500/-
				21	25/01/2021	Dr. O. Chandrasekhar	4,500/-
				22	25/01/2021	Dr. V.T. Soma Sekhar	4,500/-
				23	25/01/2021	Dr. S. Venugopalan	4,500/-
				24	25/01/2021	Mr. Jatil Sharma	4,500/-
				25	25/01/2021	Honorarium to Course Coordinator	5,000/-
				26	25/01/2021	Computer Operator	3,000/-
				27	25/01/2021	Internet(Miscellaneous)	1,189/-



				28	Phase- III Expenditure	18/03/2021	Dr. Umakantha Choudhury	15,000/-	
				29		18/03/2021	Raunak Choudhury	4,500/-	
				30		18/03/2021	Mr. S. Ravi	4,500/-	
				31		18/03/2021	Prof. V N Achutha Naikan	4,500/-	
				32		18/03/2021	Prof. Krishna Vasudevan	4,500/-	
				33		16/03/2021	Mr. M. Desai	4,500/-	
				34		18/03/2021	Dr. NVPR Durga Prasad	3,000/-	
				35		18/03/2021	Mr. Venkanna	3,000/-	
				36		18/03/2021	Mr. S. Eswar Rao	4,500/-	
				37		18/03/2021	Dr. G. Tulasi Ram Das	4,500/-	
				38		18/03/2021	Dr.S.Venugopalan	4,500/-	
				39		16/03/2021	Honorarium to Course Coordinator	5,000/-	
				40		16/03/2021	Computer Operator	3,000/-	
				41		18/03/2021	Miscellaneous	9,300/-	
				42		18/03/2021	Auditor Fee	2,500/-	
Grand Total		3,00,000/-						Grand Total	1,92,689/-

A.S.V. Subhadra Devi
Smt. A. S. V. Subhadra Devi
Superintendent, Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075

Accounts Department
CBIT

G.P.S. →
Signature of Head of the Institute
Dr. G. P. Saradhi Varma, Principal,
Chaitanya Bharathi Institute of
Technology), Chaitanya Bharathi(Post),
Gandipet, Hyderabad-500075
Principal
Chaitanya Bharathi Institute of Technology
(Autonomous)
Gandipet, Hyderabad-500 075.

For BOLLA & ASSOCIATES
Chartered Accountants
FRN : 016237S
BOLLA NAVEEN KUMAR
Partner
MRN : 237218



Place: CBIT, Hyderabad
Date: 19-03-2021



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Date: 20.03.2021

To
The Manager,
ICICI Bank

Dear Sir,

Sub: Remittance of Amount by NEFT/RTGS

We enclose here with our Cheque No. 000432 dated 20.03.2021 for Rs.1,07,311/- drawn in your drawn in your favour on A/c. No. 438501000041 and request you to send NEFT/RTGS Member, Secretary, AICTE, New Delhi as per details given here under.

Name of Beneficiary	:	Member, Secretary, AICTE, New Delhi
Beneficiary Bank Name	:	SBI
Beneficiary Account Number	:	55113100050
Beneficiary Branch Name	:	Shastri Bhawan, New Delhi
Beneficiary IFSC Code	:	SBIN0050203

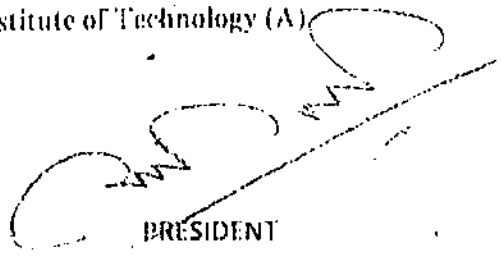
Kindly acknowledge.

Thanking you

Yours Faithfully

For Chaitanya Bharathi Institute of Technology (A)

PRINCIPAL




PRESIDENT

20.03.2021

0001035671

ICICI BANK LIMITED
GANDHIDEB
30 MAR 2021



All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



STTP- Sanction Letter

Ref. No. 34-65/288/RIFD/STTP/Policy-1/2018-19

Date 10 JAN 2020

To

The Drawing and Disbursing Officer,
All India Council for Technical Education,
Nelson Mandela Marg,
Vasant Kunj, New Delhi - 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2018-19 during the financial year 2019-20- reg.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 300000 /- (Rupees Three Lakh Only)** for conduct of Short Term Training Program as per details given below:-

1.	Name and address of the beneficiary University / Institution	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075 RANGAREDDI-500075 Telangana
2.	Permanent ID of Institute	1-4735791
3.	Institute type	Unaided - Private
4.	Name of Coordinator	Dr. MURALI TANGIRALA
5.	Amount sanctioned	Rs. 300000/-
6.	Amount to be released	Rs.300000/- Full & final payment
7.	Head of account	601.15(a) Gen. Short Term Training Programme (Plan)
8.	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL
9.	Title of the programme	Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.
2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

3. The Principal of the Institute and the Coordinator of the Program are requested to verify the correctness of the under-mentioned Bank Account / RTGS Details submitted by them alongwith the proposals, in which the grant is being released:-

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AABTC1906A	Andhra Bank	CBIT Campus, Kokapet Branch	CBIT post, Gandipet, Hyderabad	Chaitanya Bharathi Institute of Technology	Current Account	064311011000003	ANDB0000643

Instructions/Guidelines to be followed by the University/Institution

I. Disbursement of funds to University/Institutions

- The full amount of the grant sanctioned is being released as advance to the University/Institute.
- The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.
- The above said amount of grant shall be refunded back to AICTE if the Letter of Approval (LOA) / Extension of Approval (EOA) is not issued by AICTE to the institute for the academic year 2019-20.

II Maintenance of Accounts

- The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including two outstations resource persons & working expenses (reprographic services, postage, transport, daily wages, tea/coffee etc).

III. Conduct of test and issuance of certificate

A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test.

IV. Submission of Documents by the University/Institutions to AICTE

a. The following **mandatory relevant documents** are required to be submitted by the University/Institution within one month of the completion of the program:-

- (i) Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Format for the same is available on AICTE web portal.

The University/Institution is not required to submit bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.

- (ii) Feedback form in the prescribed proforma.
 - (iii) Copy of the proceedings and completion report.
 - (iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Evaluation Committee (PEC).
 - (v) Report submitted by Program Evaluation Committee (PEC).
- b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.

V. General instructions

- a. **Preferably 10% of the participants may be industry professionals deputed by industry. Further, not more than 2 participants shall be from the host institution/group of institutions.**
- b. **Money to be reimbursed on the grant (for any reasons to include unspent amount, interest , penalty if imposed) shall be refunded back to AICTE in the form of Demand Draft payable to Member Secretary, AICTE, New Delhi.**
- c. **As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.**
- d. **The STTP is a residential program of a duration of six days with minimum 40 participants. The approved STTP shall be conducted within three months from the date of release of funds.**
- e. **If programme is not conducted in the period of three months of the issuance of this Sanction Order, the released amount, alongwith interest accrued thereon, has to be necessarily returned back to AICTE within a month.**
- f. **The expenditure under the Heads 'Honorarium to Course Coordinator' and 'Honorarium to Resource Persons' shall not exceed 1% & 20% respectively of the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.**

g. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be compromised.

h. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No. 34-65/288/RIFD/STTP/Policy-1/2018-19 in your future correspondence.

i. **Program Evaluation Committee (PEC)** is required to be constituted at institutional level. The constitution of the PEC shall be as under:

- (i) Principal/Director/Registrar of the institution (Chairperson).
- (ii) Coordinator of the program (Member Secretary).
- (iii) Two HoDs and one subject expert (members).

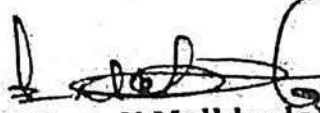
The members of the said PEC shall not be below the rank of Associate Professor. A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PEC report, are to be submitted to the Council at end of the program along with other mandatory documents.

j. **GoI GFR rules** (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.

k. This Sanction Order may be treated as Offer Letter for all purposes.

NOTE:- Any deviation from the above will invoke serious action against the Institute.

Yours sincerely,


(Dileep N Malkhede)
Advisor-I (RIFD)

116 JAN 2020

Copy forwarded for information and necessary action to:-

1. **Name and Address of the Coordinator**
Dr. MURALI TANGIRALA
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075
HYDERABAD 500075 Telangana
2. **The Registrar / Director / Principal**
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
CHAITANYA BHARATHI POST, GANDIPET, KOKAPET(VILL.) HYDERABAD. 500075
HYDERABAD 500075 Telangana



Phone : 011-26131576, 77, 78, 80
Website : www.akte-india.org



अखिल भारतीय तकनीकी शिक्षा परिषद्
(भारत सरकार का एक सांविधिक निकाय)
मानव संसाधन विकास मंत्रालय, भारत सरकार
नेल्सन मंडेला मार्ग, नई दिल्ली-110067

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(A Statutory Body of the Govt. of India)
Ministry of Human Resource Development, Govt. of India
Nelson Mandela Marg, New Delhi-110067

Col. B. Venkat
Director (FDC)
E-mail: director.fdc@aicte-india.org
Mob. No. 8130255472

25 June 2020

Sub:-For information of AICTE approved institutes which have received grants for conducting STTP's/FDP's under AQIS 2018-19.

Sir,

This is in reference to grants released by AICTE under AQIS 2018-19 for conduct of STTP's/FDPs. It is being observed that due to present circumstances of ongoing pandemic of COVID-19, most of Institutes are facing difficulties in organizing and conducting STTP's. This office has received a number of requests from various institute to allow on line method of conducting STTP/FDP to complete their commitments.

In this regard, it is to inform that all such institutes, which have already received grants for conducting STTP's/FDPs through prevailing contact mode, are **allowed to conduct STTP's through online mode subject to following conditions:**

- (i) The Institute will be allowed to adjust the grants received for STTP at following rates:-

a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 75000.00
c.	Provision for payment to lab attendant engaged during lab practices	Rs. 3000.00
d.	miscellaneous charge	Rs. 10000.00
Total for each STTP's		Rs 93000.00

- (ii) The Institute will conduct more than one STTP's in multiples of Rs. 93000.00 within the total grant received by it and shall return the balance unspent amount to AICTE.

c.g.

if an Institute has received grant for STTP,	=Rs 3,00,000.00
Cost of three STTP	3x93000= Rs. 279000.00
Balance	= Rs. 21,000.00

The institute will return the balance unspent amount of Rs.21,000.00 alongwith interest earned on such amounts to AICTE while submitting UC for adjustment of accounts for keeping its eligibility for receiving grants in next AQIS

- (iii) The institute will conduct all three STTP's as explained above on the same topic which has been approved by AICTE while releasing the grants.
- (iv) Firm dates for each program will be intimated to AICTE beforehand.


On similar lines FDP (02 week program) to be conducted online has the following approval totaling to Rs. 1,86,000.00.

a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 1,68,000.00
c.	Provision for payment to lab attendant engaged during lab practices	Rs. 3000.00
d.	miscellaneous charge	Rs. 10000.00
Total for each FDPs		Rs 1,86,000.00

The conducting of FDP's (two weeks program) shall be subjected to the similar conditions (i) to (iv) given above for conduct STTP courses, except rates of Honorarium to experts.

You are requested to acknowledge receipt of above guidelines and convey your consent if your institute is ready for conducting the STTP through online format on conditions explained above.

It is once again reiterated that online conduct of FDP & STTP will be on explicit permission of AICTE.

Yours sincerely,

 25 June 2020
 Director (FDC)

Fwd: CBIT, Hyderabad - Pandemic situation – Permission to conduct the STTP Online – Requested - Reg.

Sun, Aug 2, 2020 at 6:11 PM

Principal CBIT <principal@cbit.ac.in>

To: EEE HEAD <hod_eee@cbit.ac.in>, "Dr.T.Murali Krishna Assistant Professor" <tmuralikrishna_eee@cbit.ac.in>

----- Forwarded message -----

From: Col B Venkat <director.fdc@aicte-india.org>

Date: Sun, Aug 2, 2020, 5:09 PM

Subject: Re: CBIT, Hyderabad - Pandemic situation – Permission to conduct the STTP Online – Requested - Reg.

To: Principal CBIT <principal@cbit.ac.in>

1. Conduct of 03 STTTPs in online mode are hereby approved.

2. Following to be ensured

- Each STTP will be for 06 days from Monday to Saturday, followed by an online exam on last working day ie. Saturday. Certificates will only be issued to those participants who have attended regularly and qualify in the exam with minimum 60% marks.

- STTTPs to be scheduled in such a manner that in a month only one is conducted (Space it out evenly so as to complete it by 31 Dec 2020).

- Post successful completion, balance unutilised amount along with interest generated will be returned by RTGS as per the letter.

- Online link of the inauguration will be shared with this office for all the STTTPs with an invite for the inaugural function.

3. This will be treated as an official correspondence on the subject and will be enclosed at the time of submission of Final Utilisation certificate.

With warm regards,

Col B Venkat,

Director (Faculty Development)

AICTE, New Delhi

Mobile - 8130255472

On Fri, Jul 31, 2020 at 2:33 PM Principal CBIT <principal@cbit.ac.in> wrote:

Respected Sir,

Ref : 1. STTP- Sanctioned - L.No.34-65/288/RIFD/STTP/Policy-1/2018-19 dated.10-01- 2020

(Enclosed)

2. Letter issued by AICTE regrading this dated 25-06-2020. (Enclosed)

3. Brochure of STTP (Phase-1) -(Enclosed)

4. Tentative Schedule

This is to bring to your kind notice that the Department of Electrical and Electronics Engineering of our Institute got sanctioned with Rs.3,00,000/- to conduct STTP on "Trends and Challenges of Hybrid Electric Drive utilities in Transport sector" as Dr. T. Murali Krishna as coordinator, vide Ref.(1) cited

CHIEF PATRON

Kavi Kireeti Dr. V MALAKONDA REDDY
President, CBIT

**PROGRAM MONITORING COMMITTEE
(PEC)**

Prof. G. P. SARADHI VARMA (Chairman)
Principal, CBIT

Prof. U. K. CHOUDHURY (Subject Expert)
Director I&I, CBIT

Prof. G. SURESH BABU
Head, Dept. of EEE

Prof. D. KRISHNA REDDY (Member)
Head, Dept. of ECE

Prof. P.V.R. RAVINDRA REDDY (Member)
Head, Dept. of Mechanical Engineering

Dr. T. MURALI KRISHNA
(Coordinator-STTP & Member secretary-PEC)
Associate Professor, Department of EEE

CO-COORDINATORS

Sri M. NAGARAJU,
Assistant professor, Dept. of EEE

Dr. N.V. PHANENDRA BABU,
Assistant professor, Dept. of EEE

Registration Fee

Free

IMPORTANT DATES

Last date for Registration : 30-10-2020

Intimation of selection : 31-10-2020

HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

E-certificate will be issued to those Participants who attend 80% of the sessions and clear the exam with 60% marks.

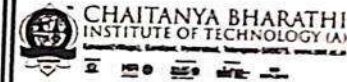
FOR FURTHER DETAILS PLEASE CONTACT

E-mail: sttpeee@cbit.ac.in

Mobile: 7702578106,7013526685, 9866479770

REGISTRATION LINK

<https://forms.gle/keJiThYkvxaGqwf9>



41



**AICTE – Sponsored
SHORT TERM TRAINING PROGRAM
(STTP)
Phase - II**

on

**TRENDS & CHALLENGES
OF HYBRID ELECTRIC
DRIVE UTILITIES IN
TRANSPORT SECTOR**

02nd – 07th November, 2020

Organized by

**DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(Autonomous)

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institutes in INDIA, in Telangana State. The Institute offers Eleven UG and Eleven PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous.



ABOUT THE DEPARTMENT

CBIT started Electrical & Electronics Engineering UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a

course in Power Systems & Power Electronics in 2006 with an intake of 18 and was accredited by NBA in the year 2016. The Department has highly qualified and experienced faculty. The Department is having well equipped labs with latest Hardware & Software. The Department is also certified by ISO 9001:2008. The Department is recognized as Research Centre in 2017 by Osmania University to carry out research for the award of Ph.D. degree. The Department is keen on developing consultancy services and welcomes funding research from outside agencies. The Department in the year 2019-20 has received a funding of Rs.2,72,000 under AICTE-STTP Scheme for MATLAB Research Methodology project, Rs. 3,00,000 under AICTE-STTP scheme for Hybrid Electric Utilities Project and Rs.11,00,000 under AICTE-RPS Scheme for Development of Low-Cost Flexible Quality Conditioner to Mitigate Power Quality Issues and MODROBS for special electrical machines to the tune of Rs.17 Lakh.

ABOUT THE FDP

Deterioration in air quality, global warming, and a decrease in petroleum resources are becoming the major threats to human beings. More and more stringent emissions and fuel consumption regulations are stimulating an interest in the development of safe, clean, and high-efficiency transportation. It has been well recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades,

the research and development activities related to of high efficiency, clean, and Modern Electric, Hybrid Electric, and Fuel Cell Vehicles safe transportation.

TOPICS TO BE COVERED IN STTP

- ↓ Over View of Electric Vehicle & Govt. Policies
- ↓ Hybrid Electric Vehicle and its performance
- ↓ Electric Vehicle Mechanics and Modelling
- ↓ Power Converters for Electric Vehicles
- ↓ PM motor Drives for EVs
- ↓ Induction Machine Drives for EVs
- ↓ High Energy Batteries
- ↓ Charging Stations & Wireless Chargers
- ↓ Testing & Certification
- ↓ PWM Techniques for Inverters

RESOURCE PERSONS

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries like Tata Motors, and host Institution.

TARGET GROUP

The STTP is expected to benefit Engineers, Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.

UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a

recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades,

Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO RESEARCH, INNOVATION AND EDUCATION **41** years

AICTE – Sponsored Short Term Training Program (STTP-Phase-2) Schedule
On
TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR
02nd - 07th November 2020

	11.30 AM – 1.00 PM		2.30 PM – 4.00 PM
02-11-2020 Monday	Overview of Electric Mobility, Policy and Guidelines, National and International Trends and Challenges Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)	Lunch break	Permanent Magnet Motor drives for Electric Vehicle Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)
03-11-2020 Tuesday	Hybrid Electric Vehicle, Series/Parallel Hybrid, Plug-in Hybrid Vehicle Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)		Advances in Multi-Level Inverters Dr. P. Satish Kumar, Associate Professor, Dept. of EEE, Osmania University
04-11-2020 Wednesday	Electric Hybrid Vehicle Mechanics, Modelling and Performance Calculation Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)		Design and Analysis of Power Converters for Electric Vehicles, Dr. Krishna Vasudevan, Professor, IIT Chennai
05-11-2020 Thursday	Power Converters for Hybrid Electric Vehicle Dr. O. Chandrasekhar, Associate Professor, Dept. of EE, NIT-Srinagar		Open-end winding Induction Motor Drives Dr. V.T. Soma Sekhar, Professor, Dept. of EE, NIT-Warangal
06-11-2020 Friday	Testing and Certification Mr. Manoj Desai, General Manager, ARAI, Pune		High Energy Batteries for EV Applications Dr. S. Venugopalan, Prof. PES College of Engg. (Ex ISRO Official)
07-11-2020 Saturday	Electric Vehicle for Transport Application Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.		Test, Feedback and valedictory

[Signature]
Coordinator-STTP

[Signature]
HoD - EEE, CBIT

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A), HYDERABAD-75
Department of Electrical & Electronics Engineering

Date: 26-10-2020

Minutes of the meeting conducted on 26th October, 2020.

Members Present:

1. Dr. G. P. Saradhi Varma, Principal, CBIT *G.P.S.V.*
2. Dr. G. Suresh Babu, Prof & Head, Dept. of EEE, *G.S.B.*
3. Dr. U.K. Choudhury, Prof. Dept. of EEE, *U.K. Choudh*
4. Dr. D. Krishna Reddy, Head, Dept. of ECE, *D.K.R.*
5. Dr. P.V. R. Ravindra Reddy, Head, Dept. of Mechanical Engg., *P.V.R.R.*
6. Dr. T. Murali Krishna, Assoc. Prof, Dept. of EEE, *T.M.K.*
7. Mr. M. Nagaraju, Asst. Prof, Dept. of EEE, *M.N.*
8. Dr. N.V. Phanendra Babu, Asst. Prof, Dept. of EEE, *N.V.P.B.*

The meeting started with the greetings from the Head of the department.

Item No.1 : To form Program Evaluation Committee

Minutes : Principal Dr. G. P. Saradhi Varma asked the same members to be in PEC

Item No.2 : To Conduct STTP Phase-II on on-line mode

Minutes : HoD asked the coordinator of STTP to prepare Brochure & Schedule for STTP Phase -2 as per the AICTE guidelines and send the invitation link to AICTE.

Item No.3: Conduct of STTP

Minutes : Dr. U. K. Choudhary suggested resource persons for the STTP.

Sri. M. Nagaraju & Dr. N. V. Phanendra Babu are asked be the co-coordinators for Phase-2

Report on AICTE Sponsored STP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC
DRIVE UTILITIES IN TRANSPORT SECTOR" during 07th - 07th November 2020

03-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. P. Satish Kumar, Associate Professor, Dept. of EEE, Osmania University

Topic: **Advances in PWM techniques for inverters**

The resource person has given overview of Space-Vector pulse width modulation-based algorithm for multilevel inverters. He explained different pulse width modulation techniques used for multilevel inverters. He started with conventional two-level inverter operation and he focussed on detailed explanation of space-vector pulse width modulation technique. He has shown the comparison between two level and three level inverters in various parameters.

04-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Dr. U.K. Choudhury, Prof. & Director(I&I), CBIT, (Ex ED, CTM, BHEL)

Topic: **Electric Hybrid Vehicle Mechanics, Modelling and Performance Calculation**

The session started with a description on series and parallel electric vehicle and regenerative braking in electric vehicles, and the comparison of TCO and payback for electric vs diesel buses. The variation of braking with respect to deceleration rate has explained. The concept of rolling resistance and grading resistance of road has been discussed for different types of roads. The torque development of the motor with respect to different surfaces is explained. Later, he discussed about aero dynamics concept of wind pressure on vehicle. How the rolling resistance varies with the speed of the vehicle has shown in the graph.

04-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. Krishna Vasudevan, Professor, IIT Chennai

Topic: **Design and Analysis of Power Converters for Electric Vehicles**

Sir started the session with steps involved for designing an inverter. He explained the selection procedure for power device based on current rating and power loss. Heat sink design considerations explained for inverter. Then he differentiated between diode voltage drop and IGBT voltage drop during selection of power device. The design of DC bus with a decoupling capacitor has been discussed. He also given detailed description about gate driver circuits by considering dead time and its effects.

05-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Dr. O. Chandrasekhar, Associate Professor, Dept. of EE, NIT-Srinagar

Topic: **Power Converters for Hybrid Electric Vehicle**

In this lecture, sir has given a detailed explanation of converter regarding objective, applications, IEC standards, general representation of converters. He compared various topologies implemented and available for converters and implementation of IB3 converter. For a given duty cycle what is a simulated voltage and what is a theoretical voltage also been explained. Then the same voltages have observed with different duty cycle. He has shown graphical explanation of power factor, efficiency and ripple content with respect to duty cycle variation. He also discussed the total

2

Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR" during 02nd - 07th November 2020

harmonic distortion by varying the voltage from 90 volts to 260 volts, and load with different impedances. for a proposed topology.

05-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. V.T. Soma Sekhar, Professor, Dept. of EE, NIT-Warangal

Topic: Open-end winding Induction Motor Drives

This session started with two level inverter concepts. The switches toggling, current waveform and voltage waveform has been explained with wave shape and it is non sinusoidal. Then he discussed the drawback of non-sinusoidal voltage given to induction motor. And sir discussed about pole voltage, motor phase voltage and common mode voltage with calculation of motor phase voltage with remaining two voltages. Sir has given detailed description of switching states and null states of two level inverter with total harmonic spectra with modulation and without modulation. He said how to get three level from two level inverter using space vector modulation. Then neutral point clamped and cascaded inverter concepts have been explained. He focussed on open end winding induction motor with isolated DC source. How to reduce the effect of zero sequence currents also been discussed.

06-11-2020

Session-1

Time: 11:30 AM to 1:00 PM

Speaker: Mr. Manoj Desai, General Manager, ARAI

Topic: Testing and Certification

This session is on testing and certification of electric vehicles. Sir has explained why the standards are required and salient features of electric vehicle. The regulation frame work and the rules followed by vehicle certification of less than 250 watts rating. Also discussed about type approval testing with verification, safety and performance. Then the battery management systems and their performance has been discussed. He focussed on ARAI approaches such as AIS 038 for M and N vehicles, AIS 156 high category vehicle. Described about the AIS 157 and 168 for fuel cell and agricultural. The classification and standards for battery charging stations also depicted. The phase-2 of FAME scheme implemented by govt of India is also been discussed.

06-11-2020

Session-2

Time: 02:30 PM to 04:00 PM

Speaker: Dr. Venugopal, Ex- ISRO official.

Topic: High Energy Batteries and Performance

Started with definition of battery and its specifications like energy density, power density and safety. Classification of batteries based on active materials, electrolytes, and case materials etc. And then he discussed about various materials used for anode, cathode, separator and electrolyte etc. He quoted about evolving process of Lithium manganese aluminium oxides in the battery technology. Sir has focussed more on progress of Lithium ion, silicon anode and try electrode. Then he discussed about electric vehicle battery pack design trade off. He quoted about aerodynamics and electric vehicles in the city limits. National Automotive testing R&D infrastructure project is also been discussed. Sir explained about battery swapping also.

Report on AICTE Sponsored STTP on "TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR" during 02nd - 07th November 2020

07-11-2020

Session-1

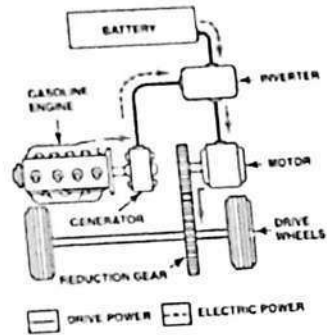
Time: 11:30 AM to 1:00 PM

Speaker: Mr. Jatil Sharma, MD, Tejaswi Green Engg. Pvt. Ltd.

Topic: Electric Vehicle for Transport Application

The vehicles landscape in India is introduced by the resource person. Discussed about EVs, BEVs, ZEVs & BOU etc., electric vehicles viabilities like charging infrastructure, increased efficiency, reduction of cost and policies related to motor drive technology. He more focused on innovation, life cycle, project management. Then continued with the products developed for various applications like EVs in golf-carts, vehicles for cleaning of solar panels, e-ambulances in hospitals, missile carriers in defence sector, vehicles for vigilance & security, forest & tourism, public health and sanitation by Tejaswi GreenEngg. Pvt. Ltd.

Series Hybrid EV



- Petrol engine runs a generator
- Generator may either charge the batteries or power an electric motor that drives the transmission

- Lower fuel cost
- Reduced tailpipe emissions
- recovers energy from braking
- IC engine can run at constant speed, thus increases the engine efficiency
- Reduced IC engine capacity
- Best suited for city transport

Engine/Motor Capacity	Engine
	Motor

Series hybrid is the most popular hybrid technology for city transport



Director Incubation & Innovation

AICTE – Sponsored Short Term Training Program (STTP-Phase-2)
 On
 TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR
 02nd - 07th November 2020

List of participants shortlisted for Certificates

PDF No.	Participant Name (which you want to be printed on the certificate)	Registered Email	Name of the College/Industry
2	S Manohar Reddy	sayri.manohar@gmail.com	S Manohar Reddy
3	Yassar Arfat	yassar@bgsbu.ac.in	Department Electrical Engineering SoET BGSB University Rajouri J&K UT India
4	R Chander	chander.ramavath@gmail.com	University college of engineering osmania University Hyderabad
5	Dr. K.MUTHU	mkrithivasan283@gmail.com	Institute of Chemical Technology, Taramani, Chennai 113
6	Dr.P.MARISH KUMAR	p.marishkumar@gmail.com	EASWARI ENGINEERING COLLEGE
7	SRINU BHUKYA	srinu.bhukya@gmail.com	OSMANIA UNIVERSITY
8	SUDHIR KUMAR SHARMA	sudhirs390@gmail.com	SLIET LONGOWAL
9	ABHAS KUMAR SINGH	abhasnith@gmail.com	IEEE (MEMBER)
10	Amar Nath sah	amar@nii.ac.in	National Institute of Immunology
11	ENUMULA MANOJ	enumulamanoj@gmail.com	Jayamukhi Institute of Technological Sciences
12	Madgula Satyanarayana	m.satya78@gmail.com	Jayamukhi institute of technological sciences
13	BIBHU PADARBINDA MOHANTY	bibhu.cetb@gmail.com	COLLEGE OF ENGINEERING AND TECHNOLOGY, BHUBANESWAR
14	Edara V C Sekhara Rao	sekhararao_eee@mvsrec.edu.in	M. V. S. R. Engineering College
15	Venkateswarlu Velisala	2venkee@gmail.com	VKR VNB & AGK College of Engineering
16	BURRI ANKAI AH	anks202@gmail.com	REVA University
17	VIKRAM SINGH BHATI	bhati.vikram2@gmail.com	ARYA COLLEGE OF ENGINEERING AND INFORMATION TECHNOLOGY
18	M.VENKATACHALAM	venkatachalam.m@eec.srmmp.edu.in	EASWARI ENGINEERING COLLEGE
19	K.V.THILAGAR	thilagar.v@eec.srmmp.edu.in	Easwari Engineering College
20	PRITAM SINGHA RAY	pritam.singha.ray@gmail.com	Bankura Government Polytechnic
21	PRAKASH C	prakashvajju@gmail.com	JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
22	MD SAZZAD	alimd31809@gmail.com	ARKA JAIN UNIVERSITY JAMSHEDPUR JHARKHAND
23	RASMIRANJAN SAMAL	rasmiranjan.samal@silicon.ac.in	SILICON INSTITUTE OF TECHNOLOGY SAMBALPUR

24	KIRAN YADDANAPUDI	kiran045@gmail.com	Jawaharlal Nehru Technological University Hyderabad, Hyderabad
25	P. RAMKISHORE KUMAR REDDY	prkkreddy252@gmail.com	Mahatma Gandhi Institute of Technology
26	P Lakshmi Supriya	plsupriya18@gmail.com	Mahatma Gandhi Institute of Technology
27	K Krishnaveni	krishnaveni_eee@cbit.ac.in	Chaitanya Bharathi Institute of Technology
28	KOLA SURESH KUMAR	kolasuresh18@gmail.com	ANURAG COLLEGE OF ENGINEERING
29	DASYAM SUSHMA	shushmamarun@gmail.com	RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (IIIT),BASAR
30	Elisha Undeti	elisha27u@gmail.com	Vasavi College of Engineering
31	DEVAREDDY HARSHA	dharsha_eee@cbit.ac.in	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)
32	KUNTLA VEERESHAM	veeresham_k@vnrvjiet.in	VNR Vignana Jyothi Institute of Engineering and Technology
33	Mrs.N.PRIYA	priya.n@eec.srmmp.edu.in	EASWARI ENGINEERING COLLEGE
34	S.Rajesh	rajesh118@gmail.com	University College of engineering Osmania University
35	ARUL SELVAN S	arul.automobile@gmail.com	MADRAS INSTITUTE OF TECHNOLOGY
36	CHENNAIAH BANOTH	banoth.chennaiah@gmail.com	JNAFA UNIVERSITY
37	JAGDISH PITAMBAR DHOLWANI	jagdishdholwani@gmail.com	NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR ASSAM
38	V RAJA KUMAR	coolvrajakumar@gmail.com	GITAM DEEMED TO BE UNIVERSITY
39	Ms.R.RAMYA	chanmeya.17@gmail.com	K.S.K COLLEGE OF ENGINEERING AND TECHNOLOGY
40	Dr.M.RAJMAL JOSHI	rajmaljoshi@gmail.com	PANIMALAR ENGINEERING COLLEGE
41	CHADARAM CHANDRA SEKHAR	cschandu.chandra@gmail.com	NIT WARANGAL
42	Dr. ANANTHABABU PALAPARTHI	anantthatnet@gmail.com	Malla Reddy Engineering College(Autonomous)
43	Swati Paliwal	swatipaliwal_eee@mgit.ac.in	Mahatma Gandhi institute of technology
44	VIGNESH G	vignesh.g@eec.srmmp.edu.in	Easwari Engineering College
45	TIPIRISETTI RAKESH	tipirisettirakesh21@gmail.com	University College of Engineering Osmania University
46	GOTTIPATI MADHURI	gottipati.madhuri@gmail.com	Vignan Institute of Technology and Science
47	N NAGESWARA REDDY	nageshreddy218@gmail.com	NIT TIRUCHIRAPPALLI
48	S.KARKUZHALI	skarkuzhali.eee@rmd.ac.in	R.M.D. ENGINEERING COLLEGE

Coordinators

Head of the Department, EEE, CBIT(A)

**LABORATORY
EXPERIMENTS ANALYSIS
FOR REINFORCEMENT OF
NEXUS (NON TEACHING)**

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
(Autonomous)

ABOUT THE COLLEGE: CBIT is one of the premier Engineering Institutes in INDIA, pioneer in Telangana state which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 39 years by producing about 21,000 eminent and skilful graduate engineers, who are successful in their careers, serving all over the world. It was accredited many times by NBA--AICTE and NAAC--UGC. UGC has granted autonomous status to this Institute from the academic year 2013-14 onwards. The grants received from AICTE/UGC are worth about Rs. 2.5 crores. Brilliant and meritorious candidates with good EAMC ET rank are seeking admission. CBIT students are grabbing the opportunity of entering into MNCs through college placement cell.

ABOUT LEARN Program: In technical education, practical training and developing expertise in application of theoretical knowledge has a great importance. The key role of the technical staff in supporting the process of transformation of technical skills among students is commendable / significant. It is the technical supporting staff, who has a more direct bearing on the quality of education. At present, there is short provision for training & development of technical staff under quality improvement programme. With change in the instructional and developmental processes and the utilization of more sophisticated and delicate instruments and equipment, the need to train and develop this category of staff is being felt acutely. To meet diverse requirements and challenges in the profession, technical staff must be provided facilities to his continuous education and for acquiring new competencies. No attempt at quality improvement would be complete without giving due attention to this category of staff.

OBJECTIVES OF LEARN Program:

- To enlighten qualities of the Instructor
- To enhance the fundamental concepts in Electrical & Electronics Engg.
- To touch upon the trouble shooting aspect of day-to-day lab work
- To amplify the computation skills

Schedule of the program:
18-01-2021 to 30-01-2021:
Laboratory Instructions

CHIEF PATRON:
Dr.G.P.Saradhi Varma
Principal CBIT

CONVENER:
Dr.G.Suresh Babu
Head . Dept of EEE

COORDINATOR:
Dr.N.Vasantha Gowri
Assistant Professor , Dept of EEE

CONTACT INFORMATION

Department of EEE
Chaitanya Bharathi Institute of Technology
Chaitanya Bharathi (P.O),
Gandipet, Hyderabad - 500 075.
E-mail: vasanthagowri_eee@cbit.ac.in
Mobile: 9052221446

ORGANIZING COMMITTEE:
All teaching, technical staff of EEE
department

*The true laboratory is
the mind, where behind
illusions we uncover
the laws of truth.*
Jagadish Chandra Bose
More science quotes at Today in Science History todayinsei.com



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION
41
YEARS

**Department of
Electrical & Electronics Engineering**

**Laboratory Experiment Analysis
for Reinforcement of Nexus**
[LEARN]

18th to 30th January 2021

*Skill Development Program for
Technical Staff*

**Chaitanya Bharathi Institute of Technology
(Autonomous)**

Kokapet(Village), Gandipet,
Hyderabad-500075, Telangana. www.cbit.ac.in
ISO 9001:2015 Certified Institute



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

41
years

Chaitanya Bharathi Institute of Technology (Autonomous)

Department of Electrical & Electronics Engineering Laboratory Experiment Analysis for Reinforcement of Nexus

[LEARN]

18th to 30th January 2021

Report of the program

This program was commenced on 18-1-2021 by Dr.G.Suresh Babu and Head of EEE department and Dr.N.Vsantha Gowri, Co-ordinator of the program. Day wise happenings of the program is given below.

18-01-2021:

- Basics of semiconductor devices are explained by Dr. T. Muralikrishna Assoc prof, EEE
- Basic and universal logic gates and Boolean equations are discussed by Shri Ch.Harish Asst prof, EEE



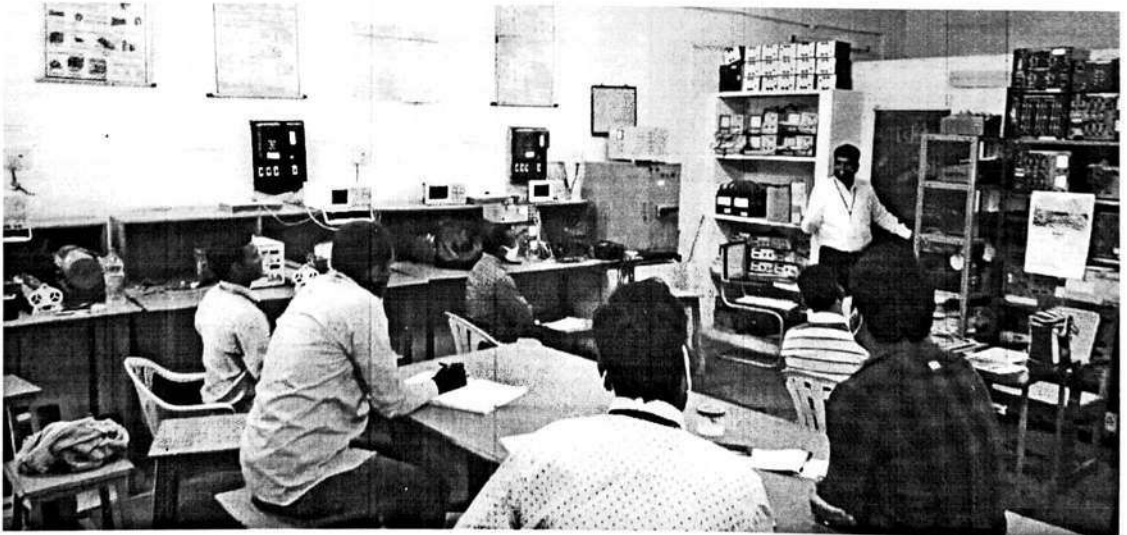
19-01-2021:

- Logic gates and Boolean equations are practiced on hardware kits by technical staff
- Half adder, Full adder and 2 input k-maps are explained by shri Ch.Harish



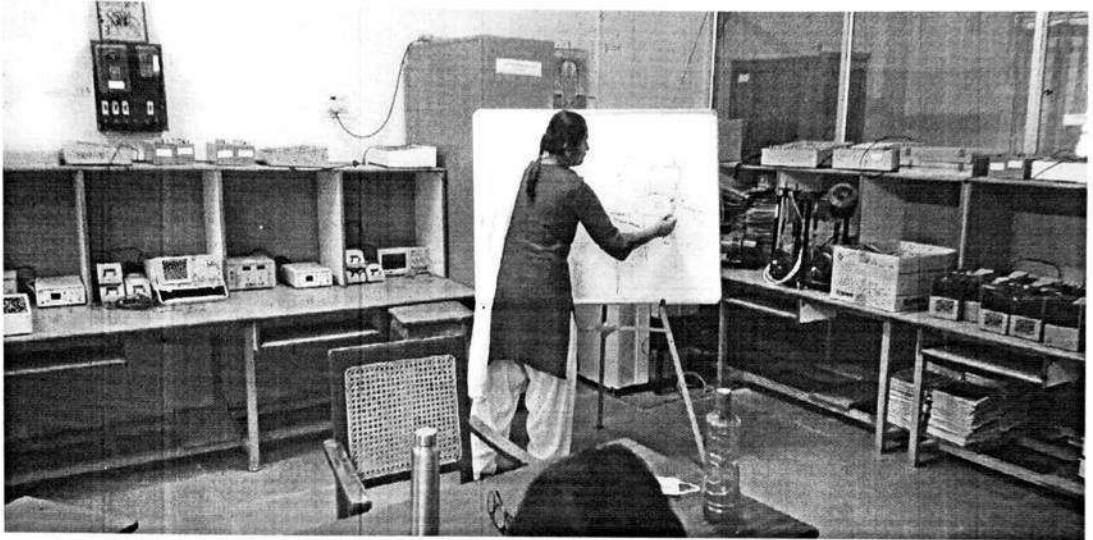
20-01-2021:

- SCR Characteristics are practiced on hardware kit by technical staff
- Effect of doping level on switching devices and comparison of different switching devices discussed by Dr.T.Muralikrishna



21-01-2021:

- Commutation circuits and effect of inductive load on SCR are discussed by Dr.T.Muralikrishna
- Forward and reverse bias characteristics of P-N diode and Zener diode are explained by Dr.P.Kowstubha



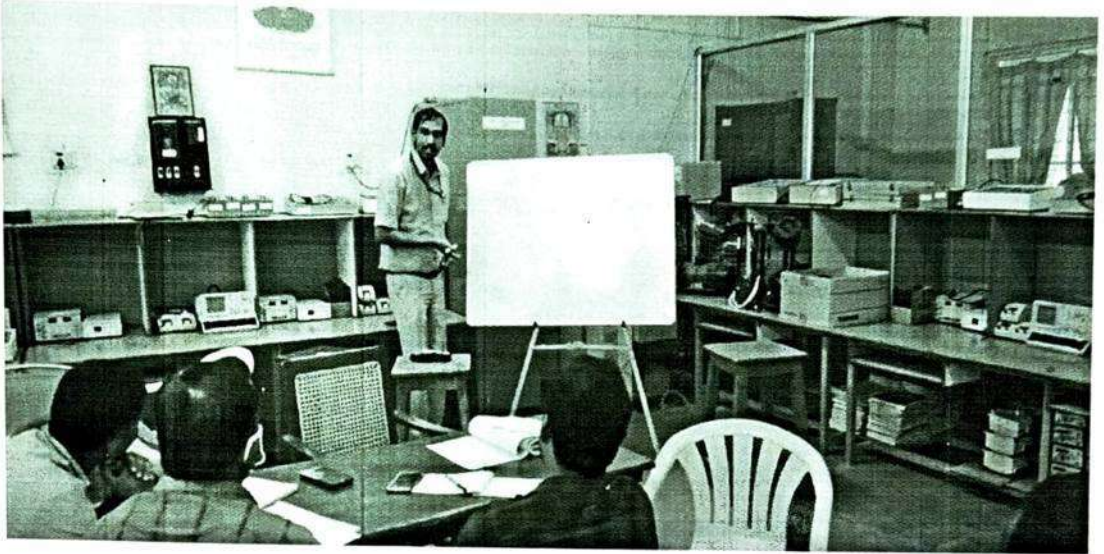
22-01-2021:

- Diode characteristics practiced on bread board by technical staff
- BJT Input and output characteristics are explained by Dr.P.Kowstubha



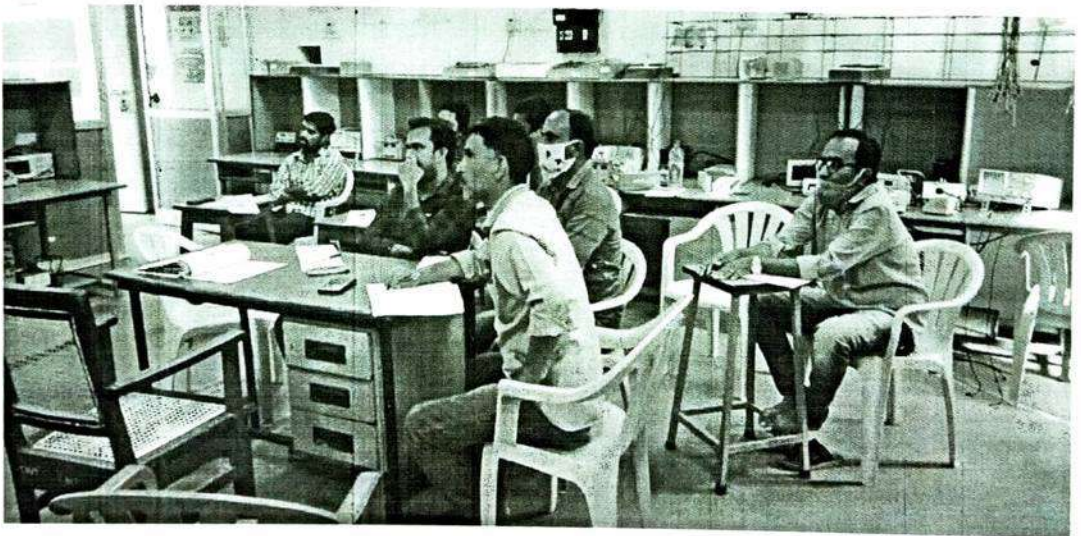
23-01-2021:

- Difference between open loop and closed loop systems is discussed by shri D.Harsha
- Effect of P,PI& PID on temperature controller is explained by shri D.Harsha



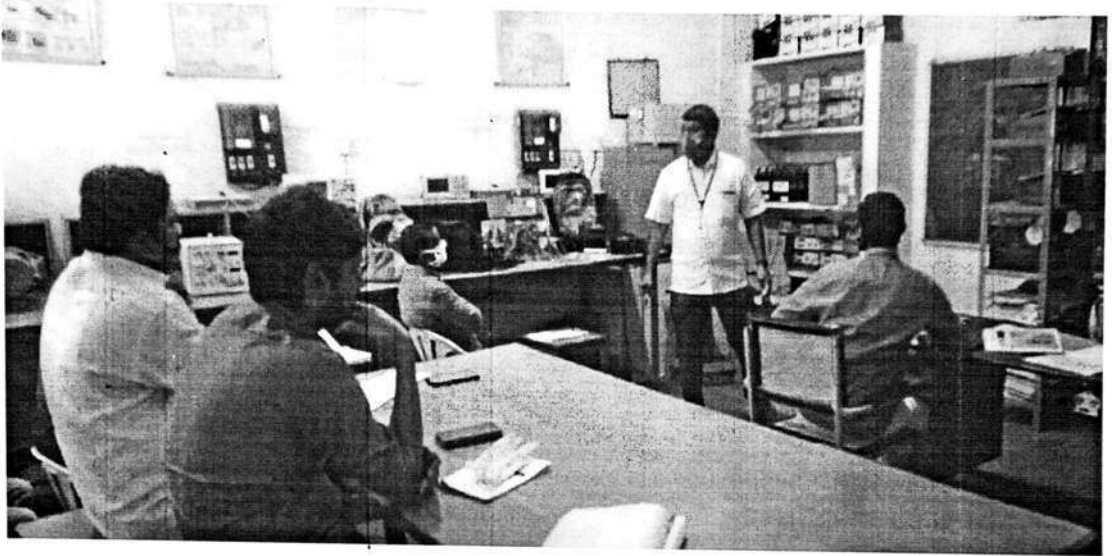
25-01-2021:

- Op Amp working principle and voltage follower are discussed by Dr. P.Kowstubha
- Inverting and non-inverting amplifiers are explained by Dr.P.Kowstubha



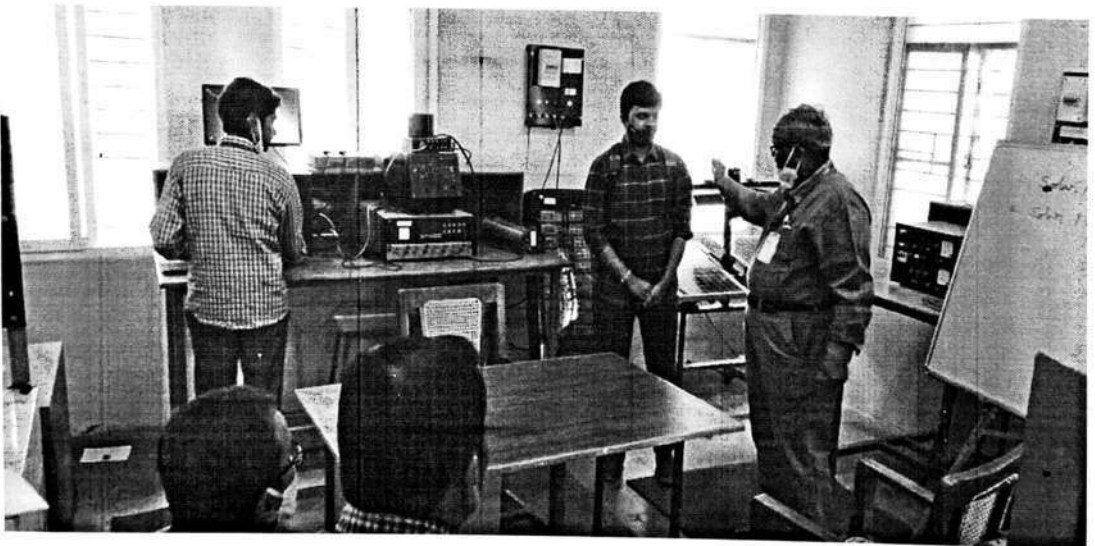
27-01-2021:

- Class – A and Class – B commutation circuits are explained by Dr.T.Muralikrishna
- Gate triggering circuits are practiced on hardware kits by technical staff



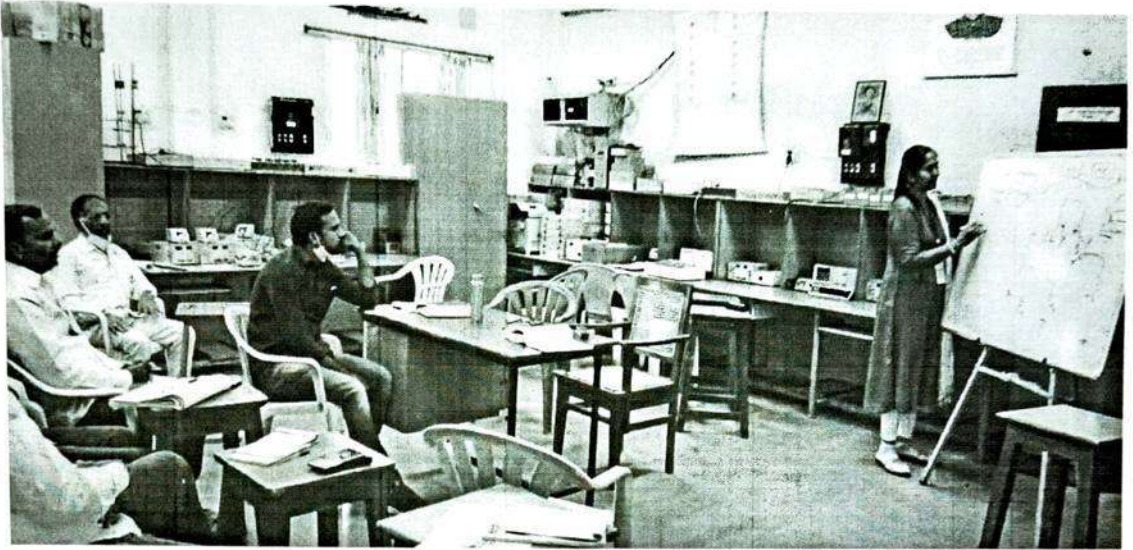
28-01-2021:

- Introduction to solar PVTR and solar emulator is given by Dr.G.Suresh Babu
- Fixed mode, Table mode and Simulation mode operation of solar emulator is explained by shri. Sai varun.



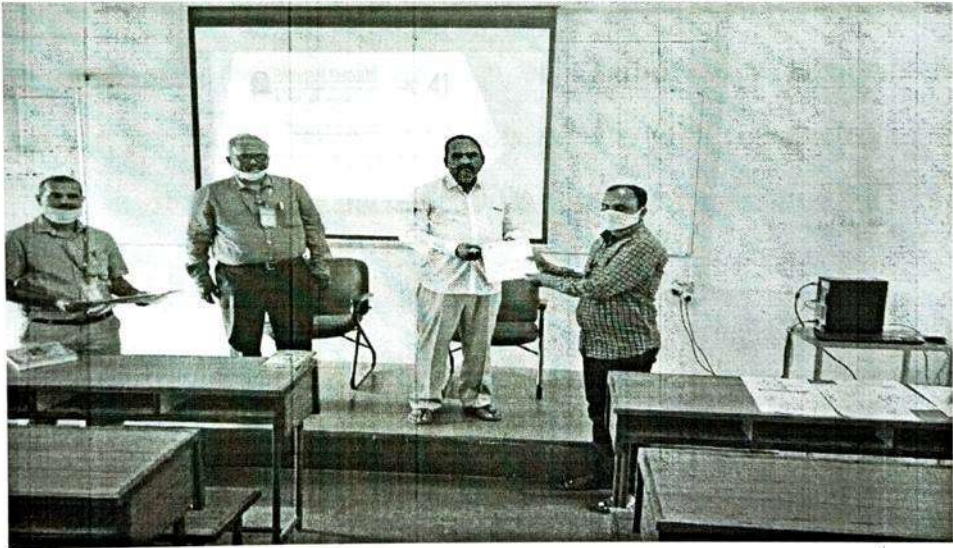
29-01-2021:

- Inverting and non-inverting amplifiers are practiced on bread board by technical staff
- Commutation circuits practiced on hardware kits by technical staff



30-01-2021:

- Valedictory & Certificate distribution for the participants has been conducted. Principal Dr. GPS Varma distributed the certificates to the participants.



Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Mallesh


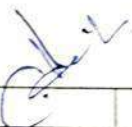


DAY & DATE: 18/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	SCR characteristics	Semiconductor	
11.30-12.30PM	Gate triggering	SCR characteristics	
1.30 - 2.30 PM	AC voltage controller	Basics universal	
3.00-4.00 PM	cyclo converter	Boolean logic	

Inference of today's sessions: (take away)

1. Semiconductor characteristics basics
2. Latching and holding currents of SCR
3. Basic gates are Learned.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S. Srinivas

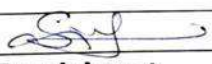

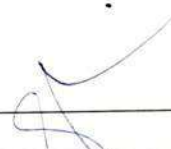
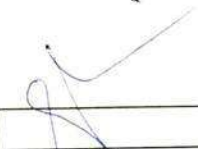
DAY & DATE: 18.01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	PE Lab		
11.30-12.30PM	PE Lab	SCR-characteristics	
1.30 - 2.30 PM	DE Lab		
3.00-4.00 PM	DE Lab		

Inference of today's sessions: (take away)

1. I got little bit idea about digital electronic labs (Basic logic Gates & Universal Gates)
- 2.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwar




DAY & DATE: 18-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	P.E. Lab	SCR Chresty	
11.30-12.30PM	PE Lab	SCR Chresty	
1.30 - 2.30 PM	D.E Lab		
3.00-4.00 PM	D.E Lab		

Inference of today's sessions: (take away)

1. How to connect easy way. SCR. Circuit diagram.
2. Latching and holding current
3. Basic Logic gates

Signatures

B. Maheshwar			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venemadhavachary





DAY & DATE: 18/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	PE LAB		
11.30-12.30PM	PE LAB	SCR-Characteristics	
1.30 - 2.30 PM	DE LAB		
3.00-4.00 PM	DE LAB		

Inference of today's sessions: (take away)

1. I learned power & DeMorgan's components
2. Basic & Universal gates learned
3. Boolean laws are explained.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KGS STORE - M





DAY & DATE: MONDAY 18/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	PE lab (SCR charact)	PE class introduction	
11.30-12.30PM	PE lab (Gate charact)	SCR characteristics	
1.30 - 2.30 PM	PE lab (AC voltage contr)	DE introduction	
3.00-4.00 PM	PE lab (cyclo converter)	DE gates truth table	

Inference of today's sessions: (take away)

1. Studied about semiconductor physics and also studied about conduction of diode characteristics.
2. In afternoon session, studied about different types of logic gates and simplification with K-maps (two).
3. Studied about boolean laws.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY





DAY & DATE: MONDAY 18-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	S.C.R. Characteristics.	Semi conductor devices	
11.30-12.30PM	Gate triggering	S.C.R Characteristics	
1.30 - 2.30 PM	A/c Voltage Control	S.C.R Characteristics	
3.00-4.00 PM	Cydo Converter.	Basic Gates.	

Inference of today's sessions: (take away)

1. Semiconductor characteristics Basics.
2. Latching and holding Currents of SCR.
3. Basic Gates are learned.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. SivaRama Krishna





DAY & DATE: 18-01-2021 (MON DAY)

slots	Scheduled	Practically happened	Remarks
10AM--11AM	scr characteri	semiconductor characteristics	
11.30-12.30PM	Gate triggering	scr characteristics	
1.30 - 2.30 PM	Ac voltage control	Basic & universal gates	
3.00-4.00 PM	cyclo converter	Boolean laws	

Inference of today's sessions: (take away)

1. Basics of power Electronics ~~lab~~ components learned.
2. Difference between basic & universal gates learned.
3. Boolean laws are explained.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Yadav ab




DAY & DATE: 18/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	P.E-Lab	Semiconductor	
11.30-12.30PM	S.C.R. & G.BT	S.C.R. circuit	
1.30 - 2.30 PM	D.E-Lab	Basic Universal gates	
3.00-4.00 PM	D.E-Lab		

Inference of today's sessions: (take away)

1. P.E Lab :- Basics of power Electronics & Semiconductors
2. Difference between basic & universal gates Lessons
3. S.C.R. & G.BT Experiment Lessons (P.E) Lab

~~Signature~~
Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. siva Rama Krishna





DAY & DATE: 19-01-2021, Tuesday

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Demorgans theorem	Logic gate practices	
11.30-12.30PM	Adders & Subtractors	Boolean Equation	
1.30 - 2.30 PM	K-maps, mux, demux	Half Adder & subtractor	
3.00-4.00 PM	encoder & decoder	Full Adder & subtractor	

Inference of today's sessions: (take away)

1. Min terms & max terms learned.
2. K-maps practiced for 3 inputs.
3. Ad Equations derived from k-maps.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant:





DAY & DATE: 19-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	DE-lab	Introduction about	
11.30-12.30PM	DE-lab	Kits & Logical Gates	
1.30 - 2.30 PM	DE-lab	Full adder & Half	
3.00-4.00 PM	DE-lab	Full & half subtractor	

Inference of today's sessions: (take away)

1. practiced logical Gates on kits
2. Learning Full Adder & Half Adder & Sub
3. Full subtractor & Half subtractor

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)
DAILY REPORT
of
the TWO week Programme -LEARN
[18.01.2021-30.01.2021]

Name of the participant: K. Malleshha





DAY & DATE: 19/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	DE Lab	Testing of kit gates	
11.30-12.30PM	DE Lab	Testing of kit gates	
1.30 - 2.30 PM	DE Lab	Half adders, subtractor	
3.00-4.00 PM	DE Lab	Full adders, subtractor	

Inference of today's sessions: (take away)

1. K-maps practical for 3 inputs
2. kits testing of gates ~~AND~~ gate or gate, NOR gate NAND gate on kits practically.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KOSHOLE M

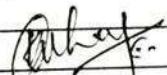



DAY & DATE: 19/01/2021, TUESDAY.

slots	Scheduled	Practically happened	Remarks
10AM--11AM	DE LAB - DEMORGAN'S	Practiced with kit	
11.30-12.30PM	DE LAB - Adders & Subtractor	Practice with kit	
1.30 - 2.30 PM	DE LAB - K-MAPS	DE LAB - K-MAPS.	
3.00-4.00 PM	DE LAB - Encoder, Decoder	ENCODERS, SUBTRACTORS.	

Inference of today's sessions: (take away)

1. Practiced all the gates on the kit
2. I studied about K-MAPS
3. studied about Adders & Subtractors.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venemoolhavachary


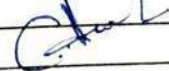


DAY & DATE: Tuesday - 19/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	DE LAB - Demo	practice with Bit	
11.30-12.30PM	DE LAB address	practice with Bit	
1.30 - 2.30 PM	DE LAB - ^{Subtractor} K-MAP	DE LAB - K-MAP	
3.00-4.00 PM	DE LAB - Inoder	Address Subtractor	

Inference of today's sessions: (take away)

1. practiced all the gates on two bits
2. I studied about K-MAP
3. Studied about Address & Subtractor

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwar




DAY & DATE: 19-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Practic DE	Practic of	
11.30-12.30PM	Practic DE	DE-Lab	
1.30 - 2.30 PM	Theory DE	trab adder	
3.00-4.00 PM	Theory DE	Full adder	

Inference of today's sessions: (take away)

1. Practic of Logic gates
2. verify the truth table
- 3.

Signatures

B. Maheshwar			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY

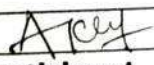



DAY & DATE: TUESDAY 19-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Demorgan's theorem	testing of kit gates	
11.30-12.30PM	Address Subtractors	testing of kit gates	
1.30 - 2.30 PM	K-map, minterm & maxterm	Mr. Harish Sairaju	
3.00-4.00 PM	encoder decoder	Class for K-map subtractor	

Inference of today's sessions: (take away)

1. Kits testing of gates. AND Gate or Gate, NOT Gate NAND Gate. ON kits, practicing.
- 2.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
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[18.01.2021-30.01.2021]

Name of the participant: S. Srinivas


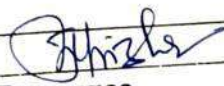


DAY & DATE: 20-01-21 (Wed)

slots	Scheduled	Practically happened	Remarks
10AM-11AM	commutation ckt	Choppers	
11.30-12.30PM	chopper ckt		
1.30 - 2.30 PM	Half controlled con. Diode		
3.00-4.00 PM	Fully converter		

Inference of today's sessions: (take away)

1. I learned valuable information about transistor's family and SCR
2. characteristics from Dr. T. Murali Krishna
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
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[18.01.2021-30.01.2021]

Name of the participant: K. Malleshwari

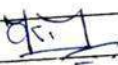
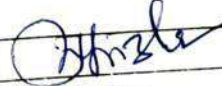


DAY & DATE: 20/01/2021 Wednesday

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Commutation ckt	SCR characteristics	
11.30-12.30PM	Chopper ckt	Effect of doping level	
1.30 - 2.30 PM	Half controlled converter	Switching devices	
3.00-4.00 PM	Fully converted	Comparison Model	

Inference of today's sessions: (take away)

1. Effect of doping level on Transistor learned
2. characteristics of SCR, BJT, MOSFET, IGBT, diode.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwar

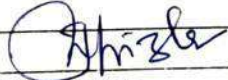
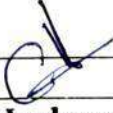

DAY & DATE: WEDNESDAY 20-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Commutation ckt	Theory part	
11.30-12.30PM	Transistors	✓	
1.30 - 2.30 PM	SCR, BJT	✓	
3.00-4.00 PM	Chopper	✓	

Inference of today's sessions: (take away)

1. good knowledge ^{about} of diodes
2. Transistors. types of transistors
3. Conduction of forward and Reverse Blocking

Signatures

B. Maheshwar			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KASHORE M


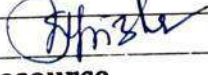


DAY & DATE: WEDNESDAY, 20/01/21

slots	Scheduled	Practically happened	Remarks
10AM--11AM	commutation ckt	commutation ckt ^(theory)	
11.30-12.30PM	Chopper circuit	Switching device	
1.30 - 2.30 PM	Half controlled Rect.	Half controlled Rect.	
3.00-4.00 PM	Full controlled Rect.	Full controlled Rect.	

Inference of today's sessions: (take away)

1. Studied about SCR, Transistor and its characteristics.
2. Studied about Half controlled and fully controlled Rectifiers.
3. Differences between BJT, MOSFET and IGBT.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

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DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P.venu Madhava chary

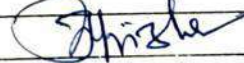


DAY & DATE: Wednesday & 20-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	commutation ckt	see character ckt.	
11.30-12.30PM	Chopper ckt.	Effect of Doping level	
1.30 - 2.30 PM	Half controlled	Switching Device.	
3.00-4.00 PM	Fully controlled	Comparison of MOSFE, IGBT, BJT	

Inference of today's sessions: (take away)

1. Dicbe & transistor IGBT MOSFET theory class basics and about
2. triggering circuits and Hyurstan its
3. layer How to it controlled. Reverse and forward blocking mode

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

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DAILY REPORT
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[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNA MA CHARY

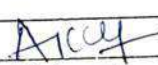
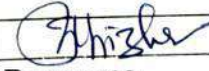


DAY & DATE: WEDNESDAY 20-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	commutation ckt	Theory class	
11.30-12.30PM	chopper ckt	going on with	
1.30 - 2.30 PM	Half controlled converter	murali/kaithan	
3.00-4.00 PM	Fully converter	Sir. with subject	

Inference of today's sessions: (take away)

1. Diode & transistor & IGBT MOSFET. Theory. Class basics and about
2. triggering circuits and thyristors and its layers How to it! Connected we learned.
3. Reverse and forward blocking mode.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

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DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Siva Ramakrishna


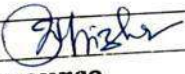


DAY & DATE: 20-01-2021 = Wednesday

slots	Scheduled	Practically happened	Remarks
10AM-11AM	commutation ckts	scr characteristics	
11.30-12.30PM	chopper ckts	Effect of doping level	
1.30 - 2.30 PM	Half controlled converter	switching devices	
3.00-4.00 PM	Fully converter	COMPARISON MOSFET, IGBT, BJT	

Inference of today's sessions: (take away)

1. Effect of doping level on transistors learned.
2. Characteristics of SCR, BJT, MOSFET, IGBT discussed.
3. Applications of switching devices.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

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DAILY REPORT
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[18.01.2021-30.01.2021]

Name of the participant: B. yadaviah

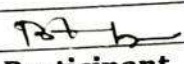
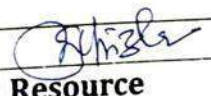


DAY & DATE: 20/01/2021 - Wednesday

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Commutation	SCR characteristics	
11.30-12.30PM	Chopper CRT	Effect of Dopping	
1.30 - 2.30 PM	Half control converter	Switching devices	
3.00-4.00 PM	Fully Converter	Commutation	SCR, BJT

Inference of today's sessions: (take away)

1. Effect of doping Level on Transition Level
2. Characteristics of SCR, BJT, MOSFET, IGBT
3. Applications of Switching devices

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

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DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwar

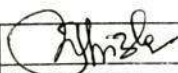

DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Latch & Flip-Flops	Commutation ckt.	
11.30-12.30PM	SR-JK Flip-Flops	Ringing ckt.	
1.30 - 2.30 PM	D & T Flip-Flops	P-N Diode characteristics	
3.00-4.00 PM	Shift Registers	Zener Diode voltage regulator.	

Inference of today's sessions: (take away)

1. SCR Characteristics.
2. Latching and holding Current
3. diode. forward and reverse biased.

Signatures

B. Maheshwar			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

P. K. ...

P. K. ...

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[18.01.2021-30.01.2021]

Name of the participant: M. Kishore



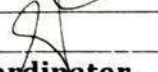
DAY & DATE: Thursday 4 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Latch & Flip-Flops	commutation circ	
11.30-12.30PM	SR & JK Flip-Flops	Ringing circ	
1.30 - 2.30 PM	DAT Flip-Flops	P-N diode characteristics	
3.00-4.00 PM	Shift registers	Zener diode voltage regulator	

Inference of today's sessions: (take away)

1. Study of about line commutation and forced commutation.
2. Ringing circuit (or) Tamb circuit.
3. P-N junction diode and its characteristics and also studied about Zener diode.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

P. K. Kishore P. K. Kishore

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S. Srinivas.




DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Latch & Flip-flops	Commutation ckt	
11.30-12.30PM	SR & JK Flip-flops	Ringing ckt.	
1.30 - 2.30 PM	DAT Flip-flops	P-N Diode characteristics	
3.00-4.00 PM	Shift Register	Zener diode voltage regulator	

Inference of today's sessions: (take away)

1. I studied SR characteristics & applications
- 2.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

P. Koushik

P. Koushik

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of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Yadaiah


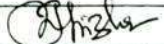

DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM-11AM	Latch & Flip-Flops	commutation ckt	
11.30-12.30PM	SR-JK Flip-Flops	Ringing ckt	
1.30 - 2.30 PM	D&T Flip-Flops	pin diode characteristics.	
3.00-4.00 PM	Shift registers	Zener diode voltage regulator.	

Inference of today's sessions: (take away)

1. E-C.R Latching Current Lessen
2. S-C.R. Holding Current Lessen
& R.S.N diode Lessen
3. Zero diode & diode Lessen

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

P. Kowstall P. Kowstall

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DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Mallesha



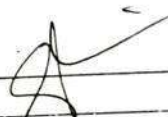
DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Latch & Flip-Flops	commutation ckt	
11.30-12.30PM	SR-JK Flip-Flops	ringing ckt	
1.30 - 2.30 PM	D&T Flip-Flops	P-N Diode characteristics.	
3.00-4.00 PM	shift registers	zener diode characteristics.	

Inference of today's sessions: (take away)

1. I learned Latching current and Holding current in SCR
2. I studied Zener diode characteristics
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN
	P. K. Kastake	P. K. Kastake	

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DAILY REPORT
of
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[18.01.2021-30.01.2021]

Name of the participant: P. Venumadhava chary


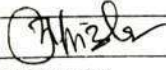

DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Latch & flip-flops	commutation ckt	
11.30-12.30PM	SR-JK flip-flops	ringing ckt	
1.30 - 2.30 PM	D & T flip-flops	P-N diode characteristic	
3.00-4.00 PM	Shift Registers	Zener diode voltage regulator	

Inference of today's sessions: (take away)

1. Effect of inductive load on SER
2. Voltage & current directions in L & C elements
3. Regulation of Voltage using Zener diode.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

P. Koushik
P. Koushik

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DAILY REPORT
of
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[18.01.2021-30.01.2021]

Name of the participant: V. Siva Rama Krishna




DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM-11AM	Latch & Flip-Flops	commutation ckt	
11.30-12.30PM	SR-JK Flip-Flops	Ringing ckt	
1.30 - 2.30 PM	D & T Flip-Flops	P-N Diode characteristics	
3.00-4.00 PM	Shift registers	Zener diode voltage regulator	

Inference of today's sessions: (take away)

1. Effect of inductive load on SCR in
2. Voltage & current directions in L & C elements.
3. Regulation of voltage using Zener diode.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

P. Kowsthalu

P. Kowsthalu

Department of EEE:: CBIT(A)

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of
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[18.01.2021-30.01.2021]

Name of the participant: A. Krishnama Chary

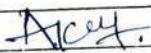
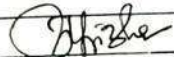
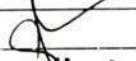
DAY & DATE: Thursday & 21-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Latch & Flip-flops	Commutation ckt	
11.30-12.30PM	SR-JK Flip-flops	Ringng ckt.	
1.30 - 2.30 PM	D & T Flip-flops	P-N Diode characteristics	
3.00-4.00 PM	Shift Registers	Zener Diode & Voltage regulator	

Inference of today's sessions: (take away)

1. Commutation Circuit how to off the S.C.R with capacitor and blocking mode and forward blocking mode
2. Diode and Zener characteristics ..
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

P. Koushik

P. Koushik

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DAILY REPORT
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[18.01.2021-30.01.2021]

Name of the participant: V. Siva Rama Krishna

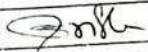



DAY & DATE: Friday 22-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Solar PVR	Transistor characteristics	Theory
11.30-12.30PM	Solar PVR	Transistor Amplifier	Theory
1.30 - 2.30 PM	Synchronous circuit	CE characteristics	Practical
3.00-4.00 PM	Asynchronous circuit	CE Amplifier	Practical

Inference of today's sessions: (take away)

1. Property of resistance of transistor varies with respect to base current applied.
- 2.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
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[18.01.2021-30.01.2021]

Name of the participant: S. Srinivas


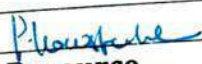


DAY & DATE: 22-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Study of solar panel	Diode-Zener	
11.30-12.30PM	"	Diode Experiment	
1.30 - 2.30 PM	Sy. Counters	Transistor BJT	
3.00-4.00 PM	Asy. Counters	BJT, Amplifier	

Inference of today's sessions: (take away)

1. Diode experiment forward & Reverse biode
2. BJT, Input & o/p characteristics
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
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[18.01.2021-30.01.2021]

Name of the participant: B. Yadav



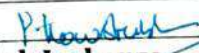

DAY & DATE: 22/01/2021

slots	Scheduled P.W.P	Practically happened	Remarks
10AM--11AM	Study of Solar	Study of Solar	
11.30-12.30PM	Study of P.W.P	Diode - Diode	
1.30 - 2.30 PM	Experiment	Diode Experiment	
3.00-4.00 PM	Synchronous Converter	Transistor & Diode characteristics	
	Synchronous Converter	BJT characteristics	

Inference of today's sessions: (take away)

1. Diode Experiment - Forward diode & Reverse diode
2. Afternoon BJT characteristics
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY

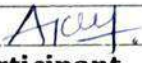
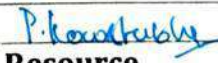
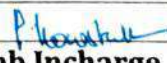

DAY & DATE: FRIDAY 22-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Study of solar PVTR	Diode and Zener	
11.30-12.30PM	Study of solar PVTR	Diode experiments done	
1.30 - 2.30 PM	Synchronous Counter	Transistor BJT characteristics Amplifier	
3.00-4.00 PM	Asynchronous Counter	BJT Characteristics done	

Inference of today's sessions: (take away)

1. diode experiment forward and Reverse bias done.
2. After noon BJT characteristics Learned.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

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[18.01.2021-30.01.2021]

Name of the participant: P. Venkumadhavachary

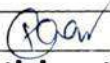



DAY & DATE: Friday 22/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Solar PVTD	Trasistor characteristics theory	
11.30-12.30PM	Solar PVTD	Trasistor Amplifier theory	
1.30 - 2.30 PM	Synchrnanous condtu	CE characteristics practical	
3.00-4.00 PM	Synchrnanous condtu	CE Amplifier practical	

Inference of today's sessions: (take away)

1. property of resistance of transistor varies with respect to base current applied.
- 2.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

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of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Mallesha


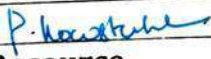

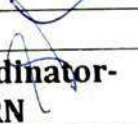
DAY & DATE: Friday 22/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Solar PVPA	Transistor characteristics	Theory
11.30-12.30PM	Solar PVPA	Transistor Amplifier	Theory
1.30 -2.30 PM	Synchronous counter	CE characteristic	Practical
3.00-4.00 PM	A Synchronous counter	CE Amplifier	Practical

Inference of today's sessions: (take away)

1. Property of resistance of Transistor varies with respect to base current applied
- 2.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwar

DAY & DATE: FRIDAY 22-01-21

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Study of PVK	Diode	
11.30-12.30PM	study of PVK	Diode exp	
1.30 - 2.30 PM	Synchronous	Transistors	
3.00-4.00 PM	Asynchronous	BJT	

Inference of today's sessions: (take away)

1. characteristics of diode.
2. Characteristics of Transistors.
3. Forward Characteristic and Reverse characteristics.

Signatures

B. Maheshwar	P. Maheshwar	P. Maheshwar	
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KESHAV M



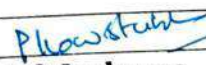

DAY & DATE: FRIDAY, 22/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	solar PVTR (study)	Diode characteristics	
11.30-12.30PM	solar PVTR (study)	Zeener diode charact	
1.30 - 2.30 PM	Synchronous counter	Transistor characteristics	
3.00-4.00 PM	Asynchronous counter	Amplifier characteristics	

Inference of today's sessions: (take away)

1. in the morning we did diode (P-N junction) characteristics practically
2. in afternoon studied about Transistor characteristics and amplification
3. I did experiment practically i.e, transistor characteristics

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Siva Ramakrishna



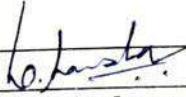

DAY & DATE: Saturday 23-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Linear system sim.	Time response, AC servo motor	
11.30-12.30PM	Time response	P,PI, PID & DC servo motor	
1.30 - 2.30 PM	magnetic Amplifier	Magnetic amplifier	
3.00-4.00 PM	P, PI, PID	P;PI, PID controller	

Inference of today's sessions: (take away)

1. Difference between open loop & closed loop systems.
2. -ve feed back is used in closed loop control systems.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

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DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. M. M. S. S. S.




DAY & DATE: 23/01/2021 Saturday.

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Linear system	Linear systems Stimulus	
11.30-12.30PM	Time response of ^{stimulus}	Time response of	
1.30 - 2.30 PM	Magnetic amplifier	Magnetic amplifier	
3.00-4.00 PM	P.PI.PID controlled	P.PI.PID controlled	

Inference of today's sessions: (take away)

1. Time response of second order systems Experiment and D.C servo motor Experiment and AC
2. Servo motor Exp and Magnetic Amplifier and P.PI.PID controllers and compensations
3. Network Theory part done etc.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

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DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY

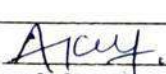
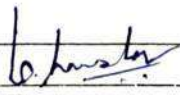
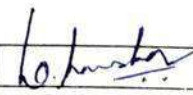

DAY & DATE: SATURDAY 23-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Linear system simulda	Linear system simulda	
11.30-12.30PM	Time response of S.O.S	Time response of S.O.S	
1.30 - 2.30 PM	Magnetic Amplifier	Magnetic Amplifier	
3.00-4.00 PM	P.P.I. PID Controller	P.P.I. PID Controller	

Inference of today's sessions: (take away)

1. Time response of second order system experiment and D.C Servomotor Experiment and A.C.
2. Servomotor exp.. and magnetic Amplifier and P. PI. PID Controller and Compensating
3. network theory part done etc..

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KRSHORE.M.

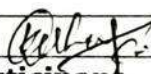

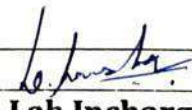

DAY & DATE: SATURDAY 9 23/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Linear system simulator	Linear system simulator	
11.30-12.30PM	Time response of S.O.S	Time response of S.O.S	
1.30 - 2.30 PM	magnetic amplifier	magnetic amplifier	
3.00-4.00 PM	P, PI, PID controller	P, PI, PID controller	

Inference of today's sessions: (take away)

1. studied about time response of second order system with the equations.
2. studied about delay time, rise time, peak time, overshoot also AC & DC servomotors
3. learn about magnetic amplifier and linear system simulator.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwar

DAY & DATE: SATURDAY. 23-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Linear System ^{Sim}	Therapy	
11.30-12.30PM	Time Response ^{2nd}	"	
1.30 - 2.30 PM	Magnetic Amplifier	"	
3.00-4.00 PM	P-PID control	"	

Inference of today's sessions: (take away)

1. How to lead, and, lag. network identified
2. Transient Response and. Maximum peak
3. I_L and I_C depend on control winding.

Signatures

B. Maheshwar	B. Maheshwar	B. Maheshwar	
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venkateshwararao


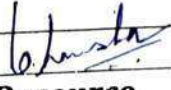
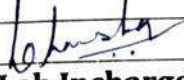

DAY & DATE: 23/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Linear Systems	open loop & closed	
11.30-12.30PM	Linear Systems	D/AC Servomotor	
1.30 - 2.30 PM	Linear Systems	magnetic amplifier	
3.00-4.00 PM	Linear Systems	lag & lead compensation	

Inference of today's sessions: (take away)

1. I studied open loop & closed loop system
2. and DC Servomotor & AC
3. Magnetic amplifier & lag & lead compensation Linear system simulation

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S. Sathivis


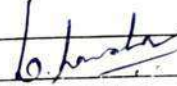
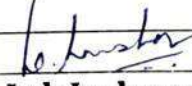

DAY & DATE: 23-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Linear system	open loop & close	
11.30-12.30PM	linear system	DC servo motor	
1.30 - 2.30 PM	linear system	magnetic amplifier	
3.00-4.00 PM	"	lag & lead compensator	

Inference of today's sessions: (take away)

1. I studied open loop & closed loop system and DC servo motor & AE
- 2.
3. magnetic amplifier & lag & lead compensator
linear system simulator

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Yadaviah.

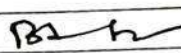
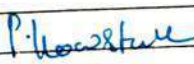
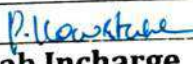

DAY & DATE: Monday - 25/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Transistor characteristics	Op. Amp principles	
11.30-12.30PM	C.E Amplifier	Voltage follower	
1.30 - 2.30 PM	FET Characteristic	Inverting & Non-Inverting op	
3.00-4.00 PM	O.P - Amp parameter	Inverter	

Inference of today's sessions: (take away)

1. O.P - Amp is a cascading connection of Differential Amplifiers
2. Integrator is a wave shaping circuits
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY

DAY & DATE: MONDAY 25-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Transistor Characteristic	OP Amp. Class & Practice	
11.30-12.30PM	CE. Amplifier	OP Amp. Class & Practice	
1.30 - 2.30 PM	PET	OP Amp. Class & Practice	
3.00-4.00 PM	OP Amp.	OP Amp. Class & Practice	

Inference of today's sessions: (take away)

1. OP Amp Internal circuits. How it's and OP Amp Experiment done, inverting and
2. Non Inverting experiments done
- 3.

Signatures

<i>A. Chary</i>	<i>P. Anand</i>	<i>P. Anand</i>	<i>[Signature]</i>
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KISHORE.M


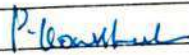


DAY & DATE: 25/01/2021 & MONDAY.

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Transistor characteristics	Transistor charact.	
11.30-12.30PM	CE Amplifier	CE Amplifier	
1.30 - 2.30 PM	FET characteristics	FET characteristics	
3.00-4.00 PM	OPAMP parameters	OPAMP parameters.	

Inference of today's sessions: (take away)

1. studied about transistor characteristics.
2. studied about CE configuration and its applications characteristics
3. op-amp is an integration of multiple transistor in a single chip.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Mallekha


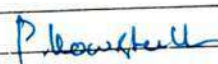
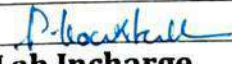

DAY & DATE: 25/01/2021 (Monday)

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Transistor characteristics	Transistor characteristics	
11.30-12.30PM	CE Amplifier	CE Amplifier	
1.30 - 2.30 PM	FET characteristics	FET characteristics	
3.00-4.00 PM	op amp parameters	op amp parameters	

Inference of today's sessions: (take away)

1. studied about CE configuration and its applications characteristics.
2. op-amp is an integration of multiple Transistor in a single chip.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwar.

DAY & DATE: Monday 8 25-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Transistors	Transistors.	
11.30-12.30PM	CE Amplifiers	CE Amplifiers	
1.30 - 2.30 PM	FET	OP Amps	
3.00-4.00 PM	Op. Amp	Comparators.	

Inference of today's sessions: (take away)

1. CE Amplifiers reduces Bandwidth in multiple transistor
2. Op. Amp. characteristic. Block Diagram and pin diagram.
3. inverting and noninverting of IC and input and out put of IC.
741

Signatures

B. Maheshwar	P. Koushik	P. Koushik	
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Siva Rama Krishna

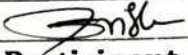
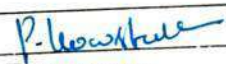

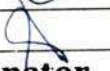
DAY & DATE: Monday & 25-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Transistor Charact	OP-Amp Principle	
11.30-12.30PM	CE Amplifier	voltage follower	
1.30 - 2.30 PM	FET Characterist	Inverting & Noninverting Amp	
3.00-4.00 PM	OP-AMP parameter	Integrator.	

Inference of today's sessions: (take away)

1. O.P-AMP is a cascading connection of Differential Amplifiers.
2. Integrator is a waveshaping circuit.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S. Srinivas


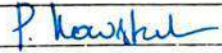


DAY & DATE: 25-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	AEC - CE	Theory	
11.30-12.30PM	-Amplifier	Theory	
1.30 - 2.30 PM	AEC OpAmp	1	
3.00-4.00 PM	parameters	1	

Inference of today's sessions: (take away)

1. I studied CE - Amplifier working and op-Amp parameters
- 2.
3. Integrator & Experiment done.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venkumadhavaiah

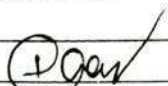



DAY & DATE: 25/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	AEC-CE	Theory	
11.30-12.30PM	Amplifier	Theory	
1.30 - 2.30 PM	AEC Opamp	"	
3.00-4.00 PM	parameters	✓	

Inference of today's sessions: (take away)

- I studied CE-Amplifier working
- and op-amp parameters.
- Integrator & Experiment done

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Sivaramakrishna

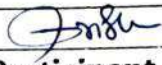



DAY & DATE: Wednesday 27-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Inverting & Non Inverting	Class-A Commutation	
11.30-12.30PM	Integrator	Class-B Commutation	
1.30 - 2.30 PM	Differentiator	PE Lab Practice	
3.00-4.00 PM	wave generators	PE Lab Practice	

Inference of today's sessions: (take away)

1. class-A commutation is current commutation & series resonance.
2. class-B commutation is self commutation.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. yadaiah

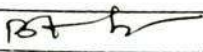
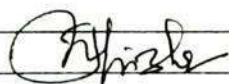


DAY & DATE: Wednesday - 27/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Inveresting	class A-Chopper	
11.30-12.30PM	Non Inverting	class B-Chopper.	
1.30 - 2.30 PM	Difference in	Practices. P.ELab	
3.00-4.00 PM	terranque Generator	P Voltage flowing	

Inference of today's sessions: (take away)

1. P.ELab Experiment V_{BT} Characteristic
2. Circuit Parameters
3. practice of Experiment RGBT,

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K&SHORE.M

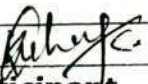
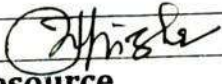


DAY & DATE: WEDNESDAY, 9 27/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Inverting & Non Invert	CLASS-A chopper	
11.30-12.30PM	Integrator	CLASS-B chopper	
1.30 - 2.30 PM	Differential	Practiced PE	
3.00-4.00 PM	Triangle generator	Practiced P.E	

Inference of today's sessions: (take away)

1. studied about class-A commutation circuits.
2. self commuted (or) Resonant impulse commutation circuit and explanation was studied
3. practiced P.E lab experiment. i.e. RJT

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Mallesh




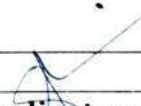
DAY & DATE: 27/01/2021 (Wednesday)

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Inverting & Non Inverting	class A commutation	
11.30-12.30PM	Integrator	class B commutation	
1.30 - 2.30 PM	Differentiator	PE Lab practices	
3.00-4.00 PM	Triangle generator	PE Lab practices	

Inference of today's sessions: (take away)

1. class A commutation and class B commutation
2. class work and practice done after noon.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY

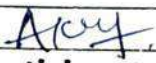
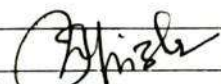


DAY & DATE: WEDNESDAY, 27-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Inverting non Inverting	Class A Computation	
11.30-12.30PM	integrator	Class B Computation	
1.30 - 2.30 PM	Differentiator	PE Lab Procedures	
3.00-4.00 PM	Traverse Generator	PE Lab procedures	

Inference of today's sessions: (take away)

1. Class A computation. and class B computation classwork and procedure done after noon.
- 2.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S. Srinivas


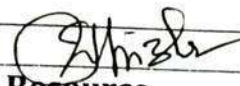


DAY & DATE: 27-01-2021 (WED)

slots	Scheduled	Practically happened	Remarks
10AM-11AM	class-A chopper	Theory	
11.30-12.30PM	class-B chopper	Theory	
1.30 - 2.30 PM	OP-Amp	practiced	
3.00-4.00 PM	voltage follower	practiced	

Inference of today's sessions: (take away)

1. I practiced op-Amp & voltage
2. follower
3. I practiced load commutation (class-A)

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venemadhavachary

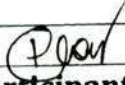
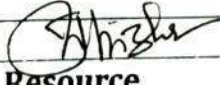


DAY & DATE: 27/01/2021 (WED)

slots	Scheduled	Practically happened	Remarks
10AM--11AM	class-A chopper	theory	
11.30-12.30PM	class-B-chopper	theory	
1.30 - 2.30 PM	Op- Amp	practiced	
3.00-4.00 PM	Voltage follower	practiced	

Inference of today's sessions: (take away)

1. \pm practiced op- Amp & voltage follower
2. P. practiced load connection (class-A)
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Maheshwar


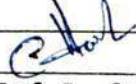

DAY & DATE: WEDNESDAY 27-01-21

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Class A (choppers)	Theory	
11.30-12.30PM	class B choppers	Theory	
1.30 - 2.30 PM	OPP AMP.	Practiced	
3.00-4.00 PM	voltage follower	Practiced	

Inference of today's sessions: (take away)

1. I learned class A - choppers & class - B chopper
2. \
3. I practiced voltage follower in ~~the~~ AEC lab.

Signatures

B. Maheshwar			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Mallesh


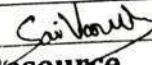
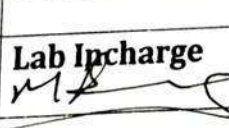

DAY & DATE: Thursday, 28/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	A.c. Servomotor	P.V. Emulator class	
11.30-12.30PM	D.c position control	P.V. Emulator practice	
1.30 - 2.30 PM	Squawk Generator	P.V.I.R class	
3.00-4.00 PM	Schmitt trigger	P.V.I.R practice	

Inference of today's sessions: (take away)

1. solar emulator system class by hod sir and
2. saivem and after that done practicals with solar emulator and solar PVIR
3. afternoon.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: KISHORE.M


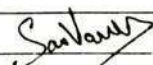
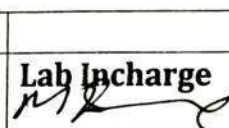

DAY & DATE: THURSDAY 9 28/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	AC servomotor	PV Emulator	
11.30-12.30PM	DC position control	PV Emulator	
1.30 - 2.30 PM	Square generator	PVTR class	
3.00-4.00 PM	Schmitt trigger	PVTR practical	

Inference of today's sessions: (take away)

1. learn about photo voltaic emulator advantages and applications.
2. Did one experiment on PVTR and observed the current voltage variation with some angle.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: S. Srinivas


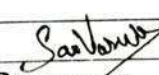


DAY & DATE: 28-01-2021, Thursday

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Ac supply motor	Solar PVTR	
11.30-12.30PM	position	Solar emulator	
1.30 - 2.30 PM	square generator	Solar emulator	
3.00-4.00 PM	Schmitt-trigger	Solar emulator	

Inference of today's sessions: (take away)

1. By using solar emulator we can know the effect of Radiation in a particular location.
- 2.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: V. Siva Rama Krishna

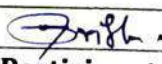
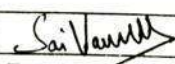


DAY & DATE: 28-01-2021, Thursday

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Ac servo motor	Solar PVTR	
11.30-12.30PM	Dc position control	Solar Emulator	
1.30 - 2.30 PM	Square generator	Solar Emulator	
3.00-4.00 PM	Schmitt trigger	Solar Emulator	

Inference of today's sessions: (take away)

1. By using solar emulator we can know the effect of radiation in a particular
2. location, date, time on a selected
3. solar panel.

Signatures

			
Participant	Resource Person	Lab Incharge 	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venumadhavachary

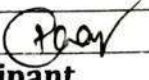

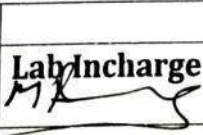

DAY & DATE: 28/01/2021 Thursday

slots	Scheduled	Practically happened	Remarks
10AM-11AM	AC Servo motor	Solar pVTR	
11.30-12.30PM	Dc position control	Solar Emulator	
1.30 - 2.30 PM	Square generator	Solar Emulator	
3.00-4.00 PM	Schmitt trigger	Solar Emulator	

Inference of today's sessions: (take away)

1. By using Solar emulator we can know the
2. effect of radiation in a particular location
3. date, time on a selected Solar panel

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY

DAY & DATE: THURSDAY, 28-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	A.C. Servomotor	P.V. Emulator Class	
11.30-12.30PM	D.C. Position Controller	P.V. Emulator practice	
1.30 - 2.30 PM	Square Generator	P.V. + R. Class	
3.00-4.00 PM	Schmitt trigger	P.V. T.R. practice	

Inference of today's sessions: (take away)

1. solar emulator. system class by hod sir and. Sai Varun and after that Done practice with solar emulator
2. and solar P.V. T.R. Afternoon.
- 3.

Signatures

<i>Aicey.</i>	<i>Sai Varun</i>		
Participant	Resource Person	Lab Incharge <i>M. K.</i>	Coordinator- LEARN <i>A.</i>

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. Yadaviah


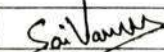
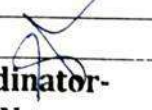
DAY & DATE: :- Thus Day :- 28/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Solar P.V Emulator.		
11.30-12.30PM	Solar P.T.P simulator.		
1.30 - 2.30 PM	Solar generator Emulator.		
3.00-4.00 PM	Schmitt trigger	Replicator, Duplicator	

Inference of today's sessions: (take away)

1. By using solar emulator we can know the effect of radiation in a particular
2. Location, Date, time, on a selected
3. Solar panel

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: P. Venemaadhavachary

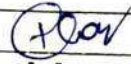
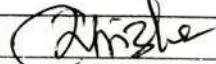


DAY & DATE: 29/01/2021 (Friday)

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Half bridge Inverter	DE LABS new kits	
11.30-12.30PM	Full bridge Inverter	Demo class	
1.30 - 2.30 PM	Solar Emulator	class C. Commutation	
3.00-4.00 PM	Study of solar Emulator	class D. Commutation	

Inference of today's sessions: (take away)

1. I studied class C & class D. Commutation
2. De Lab new kits Demo class
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: K. Malleshha


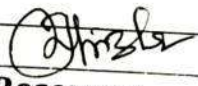


DAY & DATE: 29/01/2021 (Friday)

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Half bridge Inverter	DE-Lab new kits	
11.30-12.30PM	Full bridge Inverter	Demo class	
1.30 - 2.30 PM	Solar Emulator	class c-commutation	
3.00-4.00 PM	study of solar Emulator	class D commutation	

Inference of today's sessions: (take away)

1. I studied class ^c & class D - commutation
2. De Lab new kits Demo class.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: *S. Srinivas*

DAY & DATE: *29-01-2021*

slots	Scheduled	Practically happened	Remarks
10AM--11AM	<i>Held bridge</i>	<i>Systems updated</i>	
11.30-12.30PM	<i>Solar simulator</i>	<i>in computer lab - I</i>	
1.30 - 2.30 PM	<i>4</i>	<i>class C - communication</i>	
3.00-4.00 PM	<i>4</i>	<i>class D - communication</i>	

Inference of today's sessions: (take away)

- I learned class C & class D - communication (as auxiliary)*
- ⊙*
- Systems updated in computer lab - I*

Signatures

<i>S</i>	<i>Srinivas</i>	<i>[Signature]</i>	<i>[Signature]</i>
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. yadaviah.




DAY & DATE: Friday - 29/01/2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	OFF Bridge Inverter		Lic-D-Elab.
11.30-12.30PM	Full Bridge Inverter		Demo
1.30 - 2.30 PM	Class - C Computation Sub.		
3.00-4.00 PM	Class - D Computation Sub.		

Inference of today's sessions: (take away)

1. OFF Bridge Inverter, Full bridge Inverter & Lic D-Elab Demo
2. Class - C Computation Subject & Auxiliary Zener Diodes;
3. Class - D - Computation Subject class.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: B. MAHESHWAR

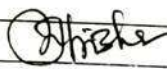

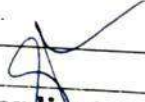
DAY & DATE: FRIDAY 29-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Half bridge	DE LAB Demo	
11.30-12.30PM	full bridge	DE LAB Demo.	
1.30 - 2.30 PM	Solar Emmu	CLASS C Theory	
3.00-4.00 PM	labor.	CLASS D Theory	

Inference of today's sessions: (take away)

1. Commutation of class C is circuit ^{Diode} parallel to the ^{SCR} supply in series with supply and current.
2. Commutation of class D is circuit parallel to the source and current is known as class D, or Auxiliary Commutation.

Signatures

B. Maheshwar			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Department of EEE:: CBIT(A)

DAILY REPORT
of
the TWO week Programme -LEARN

[18.01.2021-30.01.2021]

Name of the participant: A. KRISHNAMA CHARY



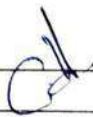
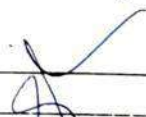
DAY & DATE: FRIDAY 29-01-2021

slots	Scheduled	Practically happened	Remarks
10AM--11AM	Half bridge inverter	DE Lab Kits Demo	
11.30-12.30PM	Full bridge inverter	DE Lab Kits Demo	
1.30 - 2.30 PM	Solar P.V. Controller	Class DFC theory	
3.00-4.00 PM	Solar P.V. Controller	Class C & D theory.	

Inference of today's sessions: (take away)

1. DE Lab Kits Demo in morning session. and After noon class "C" and class "D" Commutation circuitry
2. theory class.
- 3.

Signatures

			
Participant	Resource Person	Lab Incharge	Coordinator-LEARN

Author Guidelines

- ❖ Papers are invited from Students, Research Scholars, Academicians and Industry Persons.
- ❖ The paper should be in IEEE format with maximum 6 pages (if limit exceeds Rs. 500/- per page)
- ❖ Papers submitted should not have been previously published in any other conference or journal book chapter etc.,
- ❖ Authors should satisfy the standard norms of plagiarism.
- ❖ Papers submitted will be reviewed by our expert committee members.
- ❖ Atleast one author should register for the conference.
- ❖ E-Certificate will be provided through email only
- ❖ For guidelines on font size, type, margins, and other document related information, please refer to the college website (www.cbbit.ac.in)

Papers should be submitted to corresponding

Email etcta2021@cbbit.ac.in

Publication

All accepted, registered and presented papers will be published in ISBN online series. Selected papers will be published in the **Scopus Indexed Journals** with additional charges.

Conference e-Souvenir

Conference e-Souvenir will be brought out during ETCTA-2021 and will include abstracts of all the selected papers.

Important Dates

Last Date for Submission : 15 February 2021
 Acceptance Intimation : 05 March 2021
 Last date for Registration : 25 March 2021

Registration Fee

Category	Indian Author (INR)	Foreign Author
Industry	Rs. 2000/-	100 USD
Faculty Member	Rs. 1000/-	50 USD
Research Scholar and Student		
Non-presenting Member (Attendees)	Rs. 500/-	

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Conference Chair

Dr. G. P. Saradhi Varma, Principal, CBIT

Technical Advisor

Dr. A.D. Sarma, Director R & D, CBIT

Conveners

Dr. Y. Rama Devi, HoD, CSE

Dr. D. Krishna Reddy, HoD, ECE

Dr. G. Suresh Babu, HoD, EEE

Dr. K. Radhika, HoD, IT

Dr. D. L. Srinivas Reddy, HoD, MCA

Advisory Committee

Dr. Umakanta Choudhury, Director I&I

Dr. Suresh Pabboju, Director-IQAC

Dr. K. Krishna Veni, Director-Academics

Dr. M Swamy Das, Joint Director-Academics

For Details Contact Co-Conveners

Sl. No	Name	Dept.	Cell
1.	Dr. T. Sridevi	CSE	9959900011
2.	Dr. R. Ravinder Reddy		
3.	Dr. P. Sathish	ECE	9177545484
4.	Dr. K. Suman	EEE	8096909995
5.	Dr. B. Suresh Kumar		
6.	Dr. N. V Phanendra Babu	IT	6304084209
7.	Dr. M. Venugopalachary		
8.	Dr. B. Veerajothi	MCA	9885191683
9.	Dr. K. S. Sadasiva Rao		
10.	Dr. G N R Prasad		



IN ASSOCIATION WITH

ORGANIZING

1ST INTERNATIONAL E-CONFERENCE
 ON
 EMERGING TRENDS IN CIRCUIT-BRANCH
 TECHNOLOGIES AND APPLICATIONS

ETCTA-2021

3rd - 4th April, 2021

www.etcta2021.cbbit.org.in



Organized by
Departments of CSE, ECE, EEE, IT & MCA
Chaitanya Bharathi Institute of Technology

(Autonomous under UGC)

Affiliated to Osmania University

Accredited by NAAC-UGC and NBA-AICTE

ISO 9001:2015 Certified Institution

Gandipet, Hyderabad, 500075

Telangana State, INDIA

About CBIT

CBIT is one of the premier Engineering Institutes in India, pioneer in Telangana State, which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 42 years by producing about 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the Globe. Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected to secure Placements in reputed MNCs. The Institute has been accredited by NAAC – UGC with 'A' Grade and the various programs are accredited by NBA – AICTE. The UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. The Grants received from AICTE/UGC are worth about Rs. 2.75 Crores. Stringent Academic Standards, Industry Compliant Teaching Methodology, Research Projects from Private and Public Sector organizations Industries in Engineering and Management and Consultancy Practice, enabled the Institute to establish its Identity in the Technical Education and is Ranked No. 1 amongst the Private Engineering Colleges in both the Telugu Speaking States.

About the Conference

The 1st International Conference on "Emerging Trends in Circuit-Branch Technologies and Applications" (ETCTA-21) provides a high-quality forum for scientists and engineers to present their latest research findings in this rapidly-changing field. It provides a premier venue to bring together researchers and practitioners working at the interface of hardware and software on a wide range of optimization and code generation techniques and related issues. The conference spans the spectrum from purely static to fully dynamic approaches, and from pure software-based methods to specific architectural features and support in the emerging research fields that have recently drawn much attention from Computer Sciences, ECE, EEE and Information Technology. The focus of the conference is on Big data, Smart computing, IoT, Communications, Signal Processing, Power Systems and Interdisciplinary Applications.

Due to the continued impact of the COVID-19, the ETCTA-21 has decided to make the conference a virtual event.

Call for Papers

ETCTA-2021 invites papers related to various fields and recent developments in Circuit Branches for presentation. The papers and invited talks by eminent practicing engineers are expected to benefit the participants. Papers selected and presented in ETCTA-2021 will have opportunity to be published in proceedings with ISBN and Scopus Indexed Journals.

Conference Tracks

- AI and Machine learning
- Cyber Security and Block-chain Technology.
- ARVR and Computer Vision
- IoT and Cloud computing
- Signal and Image Processing
- Wireless Communication and Sensor Networks
- Embedded Systems and VLSI
- Radar and Navigation
- Intelligent and Smart Operation of Power Systems
- Modeling and Design of Power Electronics for Green Energy Technologies
- Soft technologies for electrical engineering
- Advances in electrical power engineering
- Big Data Analytics and Data Science
- Natural Language Processing and Pattern Recognition.
- Data Mining and Decision support systems

The scope is not limited to only the above tracks but may include research works in any other relevant emerging areas.

Registration

The Registration Fee+18% GST can be paid online using the account details given below.

Account Name	CBIT Recurring Expenditure
Account Number	180401001258
Bank & Branch	ICICI Bank, CBIT, Gandipet Branch, Hyderabad, Telangana- 500075, India.
IFSC Code	ICIC0001804

Registration Link: www.etcta2021.cbit.org.in



Research and Development Centre
Research and Entrepreneurship Hub, CBIT

**International Conference on
Emerging Trends in Circuit-branch Technologies and Applications (ETCTA-2021)**

Program Schedule

DAY-1	April 03, 2021			Time	
	Inaugural Session			09:30-10:45	
	Session-A		Session-B		
	A1	Machine Learning and IoT Applications (CSE)	B1	VLSI and Embedded Systems (ECE)	11:00-13:00
	Lunch Break			13:00-13:45	
	A2	Electrical Power Engineering (EEE)	B2	Big Data and Data Mining (IT)	13:45-15:30
	Tea Break			15:30-15:45	
	A3	Artificial Intelligence and Deep Learning (MCA)	B3	Natural Language Processing and Computer Vision (CSE)	15:45-17:30
DAY-2	April 04, 2021			Time	
	A4	Cloud Computing and Cyber Security (CSE)	B4	RF Communications and Applications (ECE)	09:30-11:15
	Tea Break			11:15-11:30	
	A5	Health Monitoring and Forecasting Pandemic		11:30-13:15	
	Lunch Break			13:15-14:30	
	Valedictory			14:30-15:40	



A1	Machine Learning and IoT Applications	Time
	<p>Dr. Damodar Reddy Edla Session Chairperson, CSE, NIT, Goa</p>	<p>Dr.R Raviner Reddy Session Co-chairperson, CBIT, Hyderabad</p>
	Invited Talk:	11:10Hrs- 11:30Hrs
B1	VLSI and Embedded Systems	11:10Hrs- 13:00Hrs
	<p>Dr. M V S N Prasad, Session Chairperson Retired Scientist, NPL, New Delhi</p>	<p>Dr. N. Aivelu Manga, Session Co-Chairperson Assoc. Professor, Dept. of ECE, CBIT</p>
	<p>Invited Talk: IoT enabled Unnamed Aerial Vehicles for the Inspection of Construction Site: A Vision and Future Directions Speaker: Engr. Ghulam E Mustafa Abro,Dept. of EEE, University of Teknologi, PETRONAS, MALAYSIA</p>	11:10Hrs- 11:30Hrs
A2	Electrical Power Engineering	13:45- 15:30
	<p>Dr. G. Yesuratnam Session Chairperson Professor & Head, Osmania University, Hyderabad</p>	<p>Dr.U.K.Choudary Session Co-Chairperson, Prof. & Director I&I, CBIT, Hyderabad</p>
	<p>Invited Talk: Power System Security <i>Speaker: Dr. G. Yesuratnam</i></p>	13:45-14:00
B2	Big Data and Data Mining	13:45- 15:30
	<p>Prof. K.Shyamala, Session Chairperson</p>	<p>Prof. P.Suresh Session Co-chairperson</p>
	Invited Talk: Big Data and Data Mining	13:45-14:00



A3	Artificial Intelligence and Deep Learning	15:45- 17:30
	<p>Dr. Rajesh Kumar Tiwari, Session Chairperson Professor & Dean of Academic RVS College of Engg. & Technology, Jharkhand</p>	<p>Dr. B. Indira, Session Co-chairperson, Assistant Professor, MCA, CBIT (A)</p>
	Invited Talk: Deep learning in different Medical Imaging areas <i>Speaker: Dr. Rajesh Kumar Tiwari</i>	15:45-16:15
B3	Track 6: Natural Language Processing and Computer Vision	15:45- 17:30
	<p>Dr. Suresh Kumar Sanampudi, Session chairperson Sr. Asst. Professor and Head, IT Dept, JNTUH College of Engg., Jagtial.</p>	<p>Dr. T.Sridevi, Session Co-chairperson Assoc. Professor, CBIT, Hyderabad</p>
	Invited Talk:	15:45-16:15
A4	Cloud Computing and Cyber Security	Time
	<p>Dr. K Raghavendra, Session Chairperson Head, High Performance Computing & Drones, ADRIN, Dept. of Space (ISRO)</p>	<p>Dr. N. Rama Devi, Session Chairperson Professor, CSE, CBIT, Hyderabad</p>
	Invited Talk: Cloud Computing and Security	09:30Hrs- 09:50Hrs
B4	RF Communications and Applications	Time
	<p>Dr. Sajan Chandra Mushini Session Chairperson Sr. Meteorological Integration Engineer, Lear Corporation, Canada.</p>	<p>Dr. A Supraja Reddy, Session Co-chairperson, Associate Professor, ECE, CBIT (A)</p>
	Invited Talk: GNSS Scintillations due to Aurora Borealis <i>Speaker: Dr. Sajan Chandra Mushini, Sr.Meteorological Integration Engineer, Lear Corporation, Canada.</i>	09:30Hrs- 09:50Hrs



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A5	Health Monitoring and Forecasting Pandemic	Time
	<p>Dr.K. Satyanarayana Session Chairperson Retired Professor, Dept. of BME, OU</p> <p>Dr. Y. Rajasree Session Co-chairperson Head, Dept. of Bio Technology, CBIT (A).</p>	
	<p>Invited Talk: Design and Development of Hardware for Satellite Data Acquisition. <i>Speaker: G Prasad, GD, NRSC, ISRO.Hyd</i></p>	11:30Hrs- 11:50Hrs

A Two day International Conference
on
“Emerging Trends in Circuit branch Technologies and Applications”
(ETCTA-2021)
Organized by Dept. of CSE, ECE, EEE, IT and MCA
3-4 April 2021

Online Links

S. No	Session Name	Online Link
03 April 2021 (Day 1)		
1.	Inaugural	https://cbithyd.webex.com/cbithyd/j.php?MTID=m6089dfe58a267ee0fa3bd9da3b146d53
2.	Machine Learning and IoT Applications (A1)	https://meet.google.com/sjq-iyed-oqa
3.	VLSI and Embedded Systems (B1)	https://meet.google.com/qzv-ciiz-rfo?authuser=0
4.	Electrical Power Engineering (A2)	https://meet.google.com/iji-qmrj-phi
5.	Big Data and Data Mining (B2)	https://meet.google.com/fud-vjmb-owu
6.	Artificial Intelligence and Deep Learning (A3)	https://cbithyd.webex.com/cbithyd/j.php?MTID=ma8b0c4158f59ef0de1284e3d1d497079
7.	Natural Language Processing and Computer Vision (B3)	https://meet.google.com/rkw-oibr-ymo
04 April 2021 (Day 2)		
8.	Cloud Computing and Cyber Security (A4)	https://meet.google.com/oyo-pfoa-aet
9.	RF Communications and Applications (B4)	https://meet.google.com/gbz-wrsp-ieu?authuser=0
10.	Health Monitoring and Forecasting Pandemic (A5)	https://meet.google.com/ptw-jvgb-ttw
11.	Valedictory Program	https://cbithyd.webex.com/cbithyd/j.php?MTID=m1f3e1c5482d15179d8e9c7701d173fab

**International Conference on
Emerging Trends in Circuit-branch Technologies and Applications (ETCTA-2021)**

Program Schedule

DAY-1	April 03, 2021			Time	
	Inaugural Session			09:30-10:45	
	Session-A		Session-B	Time	
	A1	Machine Learning and IoT Applications (CSE)	B1	VLSI and Embedded Systems (ECE)	11:00-13:00
	Lunch Break			13:00-13:45	
	A2	Electrical Power Engineering (EEE)	B2	Big Data and Data Mining (IT)	13:45-15:30
	Tea Break			15:30-15:45	
	A3	Artificial Intelligence and Deep Learning (MCA)	B3	Natural Language Processing and Computer Vision (CSE)	15:45-17:30
DAY-2	April 04, 2021			Time	
	A4	Cloud Computing and Cyber Security (CSE)	B4	RF Communications and Applications (ECE)	09:30-11:15
	Tea Break			11:15-11:30	
	A5	Health Monitoring and Forecasting Pandemic		11:30-13:15	
	Lunch Break			13:15-14:30	
	Valedictory			14:30-15:40	

-----Inaugural Function 3 April 2021 at 09:30 AM-----

ETCTA-2021 Inaugural link : <https://cbithyd.webex.com/cbithyd/j.php?MTID=m6089dfe58a267ee0fa3bd9da3b146d53>

09:30 AM	Inviting Dignitaries
09:33 AM	Lighting the Lamp
09:35 AM	Invocation
09:40AM	About the Conference Vice-Chairperson, ETCTA2021
09:50AM	Address By Prof. A.D.Sarma, <i>Director R&D, CBIT</i> Technical Advisor, ETCTA2021
10:00AM	About the CBIT Dr. G. P. Saradhi Varma, <i>Principal, CBIT</i> Chairman, ETCTA2021
10:10AM	Address by Chief Guest Sri. R.V Hara Prasad Outstanding scientist, ELSEC-DLRL
10:20AM	Key-note Address by Dr. Raj kumar S. Pant, Professor, Department of Aerospace Engineering, IIT Bombay
10:50 AM	Vote of Thanks Prof. K Radhika, Head, IT, Convener, ETCTA2021.

Day-1 Schedule Draft

A1	Machine Learning and IoT Applications Meeting Link: https://meet.google.com/sjq-ived-oqa	Time
<p style="text-align: center;">Dr. Damodar Reddy Edla Session Chairperson, CSE, NIT, Goa</p> <p style="text-align: center;">Dr.R Raviner Reddy Session Co-chairperson, CBIT, Hyderabad</p> <p style="text-align: center;">Smt. P. Vimala Manohara Ruth Session Convener Assistant Professor, CSE, CBIT.</p>		
Invited Talk:		11:10Hrs- 11:30Hrs
Paper ID	Paper Titles	
ETCTA21_124	A1.1. IoT For Monitoring Oxygen Levels in Shrimp Ponds for Better Nutrient Management Authors: Raghavendar Raju L ¹ , Tejendar Kaur ² , K Kiran ³ , M Jaya Shravani ⁴ <i>Matrusri Engineering College, Hyderabad, Telangana, India</i>	11:30Hrs- 11:45Hrs
ETCTA21_121	A1.2. Enhancing Zero-Day Attacks Detection Rate Using Machine Learning – A Survey Authors: K. Swathi ¹ , G. Narsimha ² <i>CVR Engineering College, Hyderabad, Telangana, India</i>	11:45Hrs- 12:00Hrs
ETCTA21_107	A1.3. A survey on Feature Selection and Feature Extraction in Deep Learning Authors: A.Thatikonda Somashekar, B.B Srinaiiah <i>Osmania University</i>	12:00Hrs- 12:15Hrs
ETCTA21_148	A1.4. Detection of plant Disease Using Image Processing based on KNN and GLCM Algorithms Authors: N .S. Shivani, M.V. Jeeva, Dr.R Ravinder Reddy <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	12:15Hrs- 12:30Hrs
ETCTA21_102	A1.5. Music Genre Classification Authors: G Naga Sujini, J Sreedevi, Dr M Ramabai, V.Mounica <i>Mahatma Gandhi Institute of Technology, Hyderabad</i>	12:30Hrs- 12:45Hrs
ETCTA21_152	A1.6. A Review on Neuro Feedback System using Brain Computer Interface Authors: G.Kavita, Namya Reddy, Akshitha <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	12:45Hrs- 13:00Hrs



B1	VLSI and Embedded Systems Meeting Link: https://meet.google.com/qzv-ciiz-rfo?authuser=0	11:10Hrs- 13:00Hrs
<p style="text-align: center;">Dr. M V S N Prasad, Session Chairperson Retired Scientist, NPL, New Delhi</p> <p style="text-align: center;">Dr. P.Sathish, Session Convener Assistant Professor, Dept. of ECE, CBIT</p> <p style="text-align: center;">Dr. N. Alivelu Manga, Session Co-Chairperson Assoc. Professor, Dept. of ECE, CBIT</p>		
	<p>Invited Talk: IoT enabled Unnamed Aerial Vehicles for the Inspection of Construction Site: A Vision and Future Directions Speaker: Engr. Ghulam E Mustafa Abro, Dept. of EEE, University of Teknologi, PETRONAS, MALAYSIA</p>	11:10Hrs- 11:30Hrs
Paper ID	Paper Titles	Duration
ETCTA21_204	<p>B1.1. Design and Analysis of Approximate Lower-Part OR Adder for Low Power Computations Authors: V.P. Nikhila, Alivelu Manga <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i></p>	11:30Hrs- 11:45Hrs
ETCTA21_210	<p>B1.2. Low-Power and High-Speed Design of FinFET based MCML Delay Element Authors: Pragma Srivastava¹, Richa Yadav, Richa Srivastava² ¹IGDTUW New Delhi, India, ²KIET Group of Institution, Delhi-NCR Ghaziabad</p>	11:45Hrs- 12:00Hrs
ETCTA21_203	<p>B1.3. Implementation of FPGA based Image Processing Algorithm Using Xilinx EDK Authors: Aruna Kokkula, B. Indira Priyadarshini, <i>Matrusri Engineering College, Telangana</i></p>	12:00Hrs- 12:15Hrs
ETCTA21_208	<p>B1.4. Trust Computational Methodology for an Internet of things Authors: M.Rajendra Prasad¹ and D.Krishna Reddy² ¹Vidya Jyothi Institute of Technology and ²Chaitanya Bharathi Institute of Technology, Hyderabad</p>	12:15Hrs- 12:30Hrs
ETCTA21_214	<p>B1.5. A Prototype Wi-Fi Controlled Car using NodeMCU Authors: T. Satya Sai Kiran, T. Sridher <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i></p>	12:30Hrs- 12:45Hrs
ETCTA21_207	<p>B1.6. Deep learning in sensing and Detecting Modulation scheme Authors: P Ravinder Kumar, Sandeep V M, Subhash S Kulkarni <i>Jayaprakash Narayan College of Engineering, Telangana</i></p>	12:45Hrs- 13:00Hrs



A2	Electrical Power Engineering Meeting Link: https://meet.google.com/iji-qmrj-phi	13:45- 15:30
<p style="text-align: center;"> Dr. G. Yesuratnam Session Chairperson Professor & Head, Osmania University, Hyderabad </p> <p style="text-align: center;"> Dr.U.K.Choudary Session Co-Chairperson, Prof. & Director I&I, CBIT, Hyderabad </p> <p style="text-align: center;"> Dr.B.Suresh Kumar Session Convener Associate Professor, EEE, CBIT. </p>		
Invited Talk: Power System Security <i>Speaker: Dr. G. Yesuratnam</i>		13:45-14:00
Paper ID	Paper Titles	Duration
ETCTA21_307	A2.1. Optimal Distributed Generator and Shunt Capacitor in Radial Distribution System Using Particle Swarm Optimization Authors: P.Sree Lekha, Dr.P.Venkata Prasad. <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	14:00-14:15
ETCTA21_308	A2.2. AI based Cyber-attack Resistant Microgrid System with IRNSS Synchronization Authors: M Balasubbareddy, P Venkata Prasad, Saini Varshini, A D Sarma. <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	14:15-14:30
ETCTA21_303	A2.3. Loss minimization and Reliability enhancement in Electrical Power Distribution Systems using Network Reconfiguration with Loss Sensitivity Factor Authors: P. Sushma Devi, D. Ravi Kumar, C. Kiran. <i>VNRVJIET, Hyderabad.</i>	14:30-14:45
ETCTA21_304	A2.4. Damping of Oscillation in Multi Machine System using Power System Stabilizers Syed Abdul Mujeer, M Raja Nayak. <i>Lakireddy Bali Reddy College of Engineering (A),</i>	14:45-15:00
ETCTA21_305	A2.5. Power Quality Concerns in Implementing Smart Distribution Grid Applications Authors: S. Swathi ¹ , Dr.B.Suresh Kumar ² , Dr. J. Upendar ³ <i>University college of Engineering^{1,3}, OU, Chaitanya Bharathi Institute of Technology²</i>	15:00-15:15
ETCTA21_309	A2.6. Power Quality Conditioning by UPQC using PQ and DQ Theory Authors: M Balasubbareddy, Saini Varshini. <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	15:15-15:30

B2	Big Data and Data Mining Meeting Link: meet.google.com/fud-vjmb-owu		13:45- 15:30
<p style="text-align: center;"> Prof. K.Shyamala, Session Chairperson Associate Professor, CSE, OU Hyderabad </p> <p style="text-align: center;"> Dr B.Veera Jyothi, Session Convener Assistant Professor, IT, CBIT. </p> <p style="text-align: right;"> Dr M.Venugopala Chari, Session Co-chairperson, Associate Professor, IT, CBIT </p>			
Invited Talk: Big Data and Data Mining <i>Speaker: Prof. K.Shyamala</i>			13:45-14:00
Paper ID	Paper Titles		Duration
ETCTA21_402	B2.1. Ransomware Attacks – Prevention and Mitigation Authors: Goutham Rayapati ¹ , Suma Sri Mandru ² . <i>¹Illinois Institute of Technology, ²Chaitanya Bharathi Institute of Technology, Hyderabad</i>		14:00-14:15
ETCTA21_428	B2.2. Towards Privacy-Preserving of Time Series IoT Data Publishing Authors: J.Aruna Santhi, <i>MGIT, Hyderabad.</i>		14:15-14:30
ETCTA21_414	B2.3. Intelligent System to Manage and Monitor Machine Health Authors: J. Hima Bindu, V. Amrutha Valli. <i>Mahathma Gandhi Institute of Technology, Hyderabad.</i>		14:30-15:45
ETCTA21_415	B2.4. The Verge of Extinction Authors: K. Sugamya, B. Surya Samantha, S. Vamsi Krishna. <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>		15:45-15:00
ETCTA21_417	B2.5. Stock Price Prediction on News Data and Market Data Using ML Techniques Authors: Veena Madhuri. S, Sirisha. A. <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>		15:00-15:15
ETCTA21_418	B2.6. A Deep Learning Approach to Identify Missing Children Authors: K.Sanjay Kumar, M.Banu Teja, P.Vasanth sena, Dr.M.Venugopala chary <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>		15:15-15:30

A3	Artificial Intelligence and Deep Learning	15:45- 17:30
<p style="text-align: center;">Dr. Rajesh Kumar Tiwari, Session Chairperson Professor & Dean of Academic RVS College of Engg. & Technology, Jharkhand</p> <p style="text-align: center;">Dr. B. Indira, Session Co-chairperson, Assistant Professor, MCA, CBIT (A)</p> <p style="text-align: center;">Dr. K S Sadasiva Rao, Session Convener Professor, MCA, CBIT(A)</p>		
Invited Talk: Deep learning in different Medical Imaging areas <i>Speaker: Dr. Rajesh Kumar Tiwari</i>		15:45-16:15
Paper ID	Paper Titles	Duration
ETCTA21_505	A3.1. Implementation of A Privacy Based Deep Learning Algorithm for Medical Data Analytics Authors: A. Thirupathi Battu ¹ , B. Dr.D.Lakshmi Sreenivasa Reddy ² <i>¹Osmania University, ²Chaitanya Bharathi Institute of Technology, Hyderabad</i>	16:15-16:30
ETCTA21_506	A3.2. A Review of Wi-Fi Security Protocols and Detailed Discussion on WPA3 Authors: Jithender Reddy Machana, Ashrith Kotha, Sumanth Pulluru.	16:30-16:45
ETCTA21_507	A3.3. The Deep Learning Algorithm for Animal Detection Authors: A. Thirupathi Battu ¹ , B. Dr.D.Lakshmi Sreenivasa Reddy ² , C.Thatikonda Soma Shekar ³ <i>^{1,3}Osmania University, ²Chaitanya Bharathi Institute of Technology, Hyderabad</i>	16:45-17:00
ETCTA21_508	A3.4. Smart Farming using IOT and Machine Learning Authors: Sandeep Kalari, Dr.B.Indira. <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	17:00-17:15
ETCTA21_426	A3.5. Internet of Things Applications Enablement its Challenges and Trends Authors: Vivek Veeraiah, Dr. G. K. Ravikumar, <i>Adichunchanagiri University, Karnataka</i>	17:15-17:30
ETCTA21_501	A3.6. Intelligent Analysis Tool for Examination Questions According to Bloom's Taxonomy Authors: Dr. G. N. R. Prasad, Bhavani uddagiri. <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	17:30-17:45



B3	Track 6: Natural Language Processing and Computer Vision Meeting Link: https://meet.google.com/rkw-oibr-ymo	15:45- 17:30
<p style="text-align: center;">Dr. Suresh Kumar Sanampudi, Session chairperson Sr. Asst. Professor and Head, IT Dept, JNTUH College of Engg., Jagtial.</p> <p style="text-align: center;">Dr. T.Sridevi, Session Co-chairperson Assoc. Professor, CBIT, Hyderabad</p> <p style="text-align: center;">Mr. M Venkata Krishna Reddy, Session Convener Asst. Professor, CSE, CBIT</p>		
	Invited Talk:	15:45-16:15
Paper ID	Paper Titles	Duration
ETCTA21_104	B3.1. Automated Attendance Using: Facial Recognition Authors: Vijay Kumar, Janith Adavala, Devendar Maddeboina <i>Kakatiya Institute of Technology & Science, Warangal</i>	16:15-16:30
ETCTA21_144	B3.2. Comparative Study of Single Image Super Resolution Techniques Authors: Hruday Tej Akkaladevi, A Nagesh ¹ N. Rama Devi <i>Chaitanya Bharathi Institute of Technology, Mahatma Gandhi Institute of Technology¹</i>	16:30-16:45
ETCTA21_142	B3.3. A Review: Image Synthesis from Textual Descriptions using GANs Authors: Srinivas Pavan , Varun Sundaram , Dr. K. Sagar <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	16:45-17:00
ETCTA21_137	B3.4. A Survey on Speaker Diarization Techniques Authors: Saad Ahmed, Shaik Abdul Muqtadeer, Zubair Ahmed <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	17:00-17:15
ETCTA21_138	B3.5. Opinion of Specific Tweets on Twitter Authors: Sai Goutham Goli, Varkala Sanjeev, Chinthalapati Sai Tarun, Venkataramana Battula <i>MVSR Engineering College</i>	17:15-17:30
ETCTA21_401	B3.6. Types of Cyber-attacks and Defense Strategies Authors: Goutham Rayapati ¹ , Suma Sri Mandru ² <i>¹Illinois Institute of Technology, ²Chaitanya Bharathi Institute of Technology, Hyderabad</i>	17:30-17:45



A4	Cloud Computing and Cyber Security Meeting Link: meet.google.com/oyo-pfoa-aet	Time
	<p style="text-align: center;">Dr. K Raghavendra, Session Chairperson Head, High Performance Computing & Drones, ADRIN, Dept. of Space (ISRO)</p> <p style="text-align: center;">Dr. N. Rama Devi, Session Chairperson Professor, CSE, CBIT, Hyderabad</p> <p style="text-align: center;">Smt. Kavita Agarwal, Session Convener Asst. Professor, CSE, CBIT</p>	
	Invited Talk: Cloud Computing and Security	09:30Hrs- 09:50Hrs
Paper ID	Paper Titles	
ETCTA21_101	A4.1. DOALB: Nature inspired Meta heuristic -Dragonfly Optimization Algorithm based Improved Load balancing Technique for Cloud Authors: Vijayakumar Polepally <i>Kakatiya Institute of Technology & Science, Warangal</i>	09:50Hrs- 10:05Hrs
ETCTA21_112	A4.2. Tracking of underwater objects using Particle Filter Algorithm Authors: B. Naga Lakshmi, K. Basava Raju, <i>Sreenidhi Institute of Science and Technology</i>	10:05Hrs- 10:20Hrs
ETCTA21_118	A4.3. CryptMe: A Cryptographic framework with Steganography for securing data Authors: Vivek Kumar, Harpreet Kaur, Sumit Paul <i>LPU University, Punjab</i>	10:20Hrs- 10:35Hrs
ETCTA21_119	A4.4. Captcha Breaking And Smart Captcha Authors: Mrs. S. Sandhya, Ms. Satvika Eda, Ms. Prathyusha Kundavaram, Ms. Srishti Mathur <i>G. Narayanamma Institute of Technology and Science</i>	10:35Hrs- 10:50Hrs
ETCTA21_139	A4.5. A Trust Based Approach for Providing Security in Mobile Ad hoc Networks Authors: Venkata Krishna Reddy M , Dr. Ravinder Reddy <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	10:50Hrs- 11:05Hrs
ETCTA21_128	A4.6. Load Balancing policy to reduce the Data Center Processing time in Cloud Environment using Cloud Analyst Authors: Ramana Reddy B ¹ , Indiramma M ² <i>Chaitanya Bharathi Institute of Technology¹, B.M.S College of Engineering²</i>	11:05Hrs- 11:20Hrs

B4	RF Communications and Applications Meeting Link: https://meet.google.com/gbz-wrsp-ieu?authuser=0		Time
<p style="text-align: center;">Dr. Sajan Chandra Mushini Session Chairperson Sr. Meteorological Integration Engineer, Lear Corporation, Canada.</p> <p style="text-align: center;">Dr. A Supraja Reddy, Session Co-chairperson, Associate Professor, ECE, CBIT (A)</p> <p style="text-align: center;">Dr. K.Suman, Session Convener Assistant professor, Dept. of ECE, CBIT</p>			
Invited Talk: GNSS Scintillations due to Aurora Borealis <i>Speaker: Dr. Sajan Chandra Mushini, Sr.Meteorological Integration Engineer, Lear Corporation, Canada.</i>			09:30Hrs- 09:50Hrs
Paper ID	Paper Titles		
ETCTA21_213	A5.1. Performance Evaluation of GNSS system using Z-test for RAIM Authors: D.Sony , JB Farheen, Dr.D.Krishna Reddy Dr.P.Naveen Kumar ¹ <i>Chaitanya Bharathi Institute of Technology, Hyderabad, Osmania University¹</i>		09:50Hrs- 10:05Hrs
ETCTA21_201	A5.2. Analytical Study of Global Solar Radiation Estimation and Forecasting methods: a review Authors: Deepa Rani Yadav, Stuti Shukla Datta <i>Amity School of Engineering and Technology</i>		10:05Hrs- 10:20Hrs
ETCTA21_215	A5.3. Satellite Selection Algorithm for RAIM Applications Authors: D.Sony, S.Chandravardhan, D.Krishna Reddy, .P.Naveen Kumar ¹ <i>Chaitanya Bharathi Institute of Technology, Hyderabad, Osmania University¹</i>		10:20Hrs- 10:35Hrs
ETCTA21_217	A5.4. Multiscale Image Segmentation using Cascade MultiResUNet Proposal Masking Convolutional Network Authors: Ch.Mohan, Sai Kumar, R.S.Valamathi, S.As swath <i>VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology</i>		10:35Hrs- 10:50Hrs
ETCTA21_205	A5.5. Design and Analysis of High Speed Parallel Meander Transmission Lines Authors: B.HariPrasad Naik ¹ , A.Gopal ¹ , D.Krishna Reddy ² <i>NNRESGI¹ Hyderabad, Chaitanya Bharathi Institute of Technolog², Hyderabad</i>		10:50Hrs- 11:05Hrs



A5	Health Monitoring and Forecasting Pandemic Meeting Link: https://meet.google.com/ptw-jvgb-ttw	Time
<p style="text-align: center;"> Dr.K. Satyanarayana Session Chairperson Retired Professor, Dept. of BME, OU </p> <p style="text-align: center;"> Dr. Y. Rajasree Session Co-chairperson Head, Dept. of Bio Technology, CBIT (A). </p> <p style="text-align: center;"> Dr. N.V. Phanendra Babu Session Convener Assistant professor, Dept. of EEE, CBIT </p>		
Invited Talk: Design and Development of Hardware for Satellite Data Acquisition. <i>Speaker: G Prasad, GD, NRSC, ISRO.Hyd</i>		11:30Hrs- 11:50Hrs
Paper ID	Paper Titles	
ETCTA21_216	A6.1. Preliminary Result of COVID-19 Detection through Chest X-Ray using Artificial Intelligence Authors: Nitta Nikhila Raj , Vyshnavi Cheedepudi, Abhishek Adire, T Sridher <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	12:00Hrs- 12:15Hrs
ETCTA21_136	A6.2. Applying Relu and Tanh Functions for the Detection of Lung Cancer using Deep Learning Authors: Madhavi Aluka ¹ , Sumathi Ganesan ² , Vijay Pal Reddy P ³ <i>Annamalai University^{1,2} Chidambaram, Tamilnadu, Matrusri Engineering College³, Hyderabad, Telangana, India</i>	12:15Hrs- 12:30Hrs
ETCTA21_422	A6.3. Survey on Diabetic Retinopathy Detection Authors: Pravallika Elluri, Sirisha Alamanda <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	12:30Hrs- 12:45Hrs
ETCTA21_211	A6.4. A Simple Model for Forecasting Confirmed COVID-19 Cases in a Given System Authors: A.D. Sarma*, K. Lakshmana and T. Sridher <i>Chaitanya Bharathi Institute of Technolo², Hyderabad</i>	12:45Hrs- 13:00Hrs
ETCTA21_116	A6.5. A Time Series Forecasting with different Visualization modes of COVID -19 cases throughout the world Authors: D.Naga jyothi, G. Mamatha <i>Chaitanya Bharathi Institute of Technology, Hyderabad</i>	13:00Hrs- 13:15Hrs