



6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms.

Sample copies of Academic Audit, three level Academic Audit, Feedback System(Feedback reports and Remedial Measures) are listed below.

S.No.	Description	Page No.
1.	Sample of Academic Audit	2-18
2.	Sample copies three level Academic Audit	19-30
3.	Sample copies of Feedback system	31-34

#### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

# Academic and Administrative Audit Form (For the Departments) Period to consider 1<sup>st</sup> July 2021 – 30<sup>th</sup> June 2022 for Auditing Process: (CAY: 2021-22) PART – I: PRELIMINARY INFORMATION

1. Name of the Department

: Mechanical Engineering

2. Date of Visit

17/08/2022

3. Members of the Audit Committee

(i) Prof. A.D. Sarma, Director R&D

(ii) Prof. K. Sagar, CSED

			Particu	lar					
(a)	(a) Courses Offered								
	Name of the Pr	ogram		I Intake I		Year of Commencement of the program			
	E (Mechanical)			120		1979			
	E (Production)			60		1983			
M	E (CAD/CAM)			25		2002			
M	E (Thermal Engineering)			18		2012			
Face	(i) Consolidated Tim (ii) Class Time Table: (iii) Individual Faculty (iv) Laboratory wise (v) Individual Non-To (vi) Calendar	Time Tables	Time tables						
Fac	ulty Information:		Dogu	ina d		Available			
			Required Available						
Dun	C		0.4	-	Regular		ntract		
Profe	Associate Professors		06 10		07	•			
	ssistant Professor		32		06 26	10			
_			32		20		U		
	Total (1:15) (a) Faculty members with								
	(i) Ph.D qualification (ii) Post Graduation Q (iii) Any Other (specif (iv) FSR Ratio (UG): 18-67		*						
(c)	Teaching Experience (with	in CBIT) of the	Faculty in the De	epartment:					
1	Tenur	e		No. of Faculty					
	re than 15 Years			18					
	ween 8 to 15Years			09					
Bety	ween1to 8 Years			18					
Bety	our I Voor		04						
Bety	ow 1 Year			04					
Bety	Consolidated Experience of	of the teaching fa	aculty considerin		ence.				
Bety Bety Belo	Consolidated Experience of	of the teaching fa	Highest Qualification		Experience in CBIT (Years)	Experience before joining CBIT (Teaching/ Industry)	Total Experience		
Betv Beld (d)	Consolidated Experience of		Highest	g outside experience  Date of Joining in	Experience in CBIT	before joining CBIT			

3	Dr. M.V.S.Murali Krishna	-do-	Ph. D (Mech.)	05-08-1987	35	02	37
4	Dr. P.V.R. Ravindra Reddy	Prof. & Head	Ph. D (Mech.)	10-07-1998	24	-	24
5	Dr. N.V.Srinivasulu	Professor	Ph. D (Mech.)	05-1-1998	24	7	31
6	Dr. P.Prabha Kar Reddy	-do-	Ph. D (Mech.)	26-12-1997	24	-	31
7	Dr. G. Laxmaiah	-do-	Ph. D (Mech.)	25-06-2004	18	8	26
8	Dr. T. Ratna Reddy	Assoc. Prof.	Ph. D (Mech.)	11-11-1986	36	-	36
	Dr. R. Peraiah	Assoc. Flot.	Fil. D (Mecil.)	11-11-1900	30	-	30
9	Chowdary	-do-	Ph. D (Mech.)	19-10-2000	22	10	32
10	Dr. K. Kishor Dr. V.V. R. Seshagiri	-do-	Ph. D (Mech.)	22-12-2004	18	14	32
11	Rao	-do-	Ph. D (Mech.)	24-06-2005	17	13	30
12	Dr. S. Solomon Raj	-do-	Ph. D (Mech.)	13-09-2005	17	3/5/	17
13	Dr. MD. Aleem Pasha	-do-	Ph. D (Mech.)	20-10-2016	06	3 <b>-</b> 1	06
14	Sri. P.Radha Krishna Prasad	Asst. Prof.	M.E (Engg. Design)	11-03-1992	30	05	35
15	Sri P. Kiran Kumar	-do-	M.Tech (M/c	27-10-2005	17	06	23
			Design) Ph. D				- 23
16	Dr. L. Suresh Kumar	-do-	(OR&SQC), LLB	14-12-2005	17	05	22
17	Smt. Y. Nagini	-do-	M.E (Heat Transfer)	15-12-2005	17	02	19
18	Dr.Ch. Indira Priya Darsini	-do-	Ph. D (Mech.)	25-08-2006	16	03	19
19	Sri. N. Venkateshwar Rao	-do-	M.E CAD/CAM	22-08-2006	16	-	16
20	Ms. V. Sandhya	-do-	M.Tech (Prod.)	29-10-2008	14	05	19
21	Dr. S. Narasimha Kumar	-do-	Ph. D (Mech.)	29-01-2008	14	6.5	20.5
22	Smt. N. Jyothiirmayi	-do-	M.Tech (Mnfg. Systems)	21-01-2008	14	2	16
23	Dr. B.V.S. Rao	-do-	Ph. D (Mech.)	01-07-2009	13	16.5	29.5
24	Sri V. Jai Pal Reddy	-do-	M.E (Mnfg.System	14-07-2008	14	-	14
25	Dr.N. Janardhan	-do-	s) Ph. D (Mech.)	02-09-2010	12	09	21
26	Smt. P. Anjani Devi	-do-	M.E	20-07-2012	10		10
27	Dr. P. Rama Lakshmi	-do-	(CAD/CAM) Ph. D	16-07-2012	10	03	13
28	Mrs. Ch. Venkata Sushma	-do-	(Mech.)-JNTU M.E (CAD/CAM)- (Ph.D- Composite Materials- JNTUH)	20-01-2014	8		8
29	Mr. T. N. Aditya	-do-	M.Tech (Engg. Design)	22-09-2016	6	-	6
30	Mr. K. Gurubrahmam	-do-	M.E (M/c Design)	17-10-2016	6	7	13
31	Mr. A. Chandrakanth	-do-	M.E (Mechanical)	20-10-2016	6	6.5	12.5
32	Mr. D. Ravi	-do-	M.Tech (Thermal Engg.)	01-03-2016	6	6	12
33	Dr. Rahul	-do-	Ph. D (Mech.)-HCU	28-06-2019	3	3	06
34	Mr. P. Surendar Reddy	-do-	M.E (CAD/CAM)	23-02-2015	7		7
35	Dr. Y.S Kannan	-do-	Ph.D (FM)- IIT, M.Tech(Ther	20-09-2021	<1	0.5	1

.

,''			mal Power Engg.)-NIT				
36	Dr. Inturi Vamsi	-do-	Ph. D (Mech.)- BITSHyd	27-01-2021	1	2.5	3.5
37	Dr. Amireddy Kiran Kumar	-do-	Ph. D (Mech. Engg.,)	21-02-2022	<1	9.5	9.5
38	Dr. Ashutosh Sahu	-do-	Ph. D (Metallurgical Engg.,)	07-03-2022	<1	6	6
39	Dr. Ranjit Jayprakash Singh	-do-	Ph. D (TE) 3-PDFs USA	15-03-2022	<1	5.7	6
40	Dr. Puneet Chandran (C)	-do-	Ph.D.	28-01-2021	1	7	8
41	Mr. Narasimha Kulkarni (C)	-do-	M.Tech (Thermal Power Engg.)	01-03-2016	6		6
42	Mrs D.S. Madhuri (C)	-do-	M.E (Thermal Engg.)	30-01-2017	5	*	5
43	Mrs. Ipsita Mohanty (C)	-do-	M.E (Thermal Engg.)	29-06-2019	3	1.5	4.5
44	Mrs. KNV. Sreedevi (C)	-do-	M.Tech (Thermal Engg.)	11-09-2016	6	01	7
45	Mr. K. Yasoda Sreeram	-do-	M.Tech (Ind.Engg. & Mgmt.)	18-06-2018	4	04	8
46	Mr. Chintireddy Sharath Reddy (C)	-do-	M.Tech (M/c Design)	24-06-2019	3	2.5	5.5
47	Dr. Hari Krishan Yadav (C)	-do-	Ph. D (Mech. Metallurgy)- NITNagapur	01-02-2021	1	1	2
48	Ms. R. Navaneetha (C)	-do-	M.E (Thermal Engg.)	31-03-2021	1	-	1
49	Mr. Venkatesu Veeravalli (C)	-do-	M.Tech (M/c Design)	01-02-2021	1	1	2

Details of Supporting Staff

(a) Lab Assistants: 0

(b) Technicians: 16

(c) Programmers: 0

(d) Assistant Programmers: 01
(e) Computer Operators: 01
(f) Skilled Assistants: 04
(g) Attenders: 04

S. No	Name of the Supporting Staff	Designation	Highest Qualific ation	Date of Joining in CBIT	Experien ce in CBIT (Years)	Experience before joining CBIT (Academic Institute/In dustry)	Total Experie nce	Remarks
1	Mr. G. Krishna Murthy	Tech. Grd-1	I.T.I	10-10-1988	34	2	36	
2	Mr. A. Nagaiah	-do-	I.T.I	01-08-1988	34	2	36	
3	Mr. Y. Rama Krishna Reddy	-do-	I.T.I Diesel Mechani c	01-08-1995	27	-	27	
4	Mr. N. Chandra Sekhar	Tech. Grd-2	B.Tech	21-04-2004	19	3	22	
5	Mr. M. Laxman	Tech. Grd-2	I.T.I	01-04-1988	34	12	34	
6	Mr. Y. Chandra Sekhar.	Asst. Prog.	MCA	12-07-2007	15		15	
7	Mrs. Veeramalla Anusha Goud	Computer Operator	B.E	23-02-2022	<1	3	3	

8	Mr. T. Mallesh	Tech. Grd-3	I.T.I	01-11-1996	26	5	31	
9	Mr. E. Sathya Narayana	Tech. Grd-3	I.T.I	01-06-1986	36	16	36	
10	Mr. R. Kumar	Tech. Grd-3	I.T.I	02-01-1997	25	-	25	
11	Mr. E. Ramachander	Tech. Grd-3	I.T.I	01-12-1982	40	14	40	
12	Mr. K. Rajgopal	Tech. Grd-3	Diploma	19-9-2014	8	6	14	
13	Mr. M. Devender Reddy	Tech. Grd-3	Diploma	19-09-2014	8	17	25	
14	Mr. A. Srikanth	Tech. Grd-3	M.Tech	02-06-2018	4	5	9	
15	Mr. V. Srinivas	Tech. Grd-3	Diploma	16-07-2018	4	3	7	
16	Mr. B. Pranay (C)	Tech. Grd-3	Diploma (Tool Die & Mould Making)	22-11-2021	<1	3	3	
17	Mr. Vangara Venkatesh	Tech. Grd-3	Diploma (Mech)	25-11-2021	<1	10	10	
18	Mr. Vullogu Srinivas (C)	Tech. Grd-3	B.Tech (Mech)	01-12-2021	<1	9	9	
19	Mr. S. Lava Kumar	Skilled Asst.	I.T.I	15-12-2003	19		19	
20	Mr. E. Ramesh	Skilled Asst.	ITI	10-08-1998	24	8	32	
21	Mr. S. Koteswara Rao	Skilled Asst.	M.A, ITI	18-12-2002	20	5	25	
22	Mr.T.Sada SivaRao	Skilled Asst.	I.T.I	01-08-1995	27	4	31	
23	Mr. K. Chinnaiah	Spl. Grd. Attender	5 <sup>th</sup> Class	30-09-1992	30	-	30	
24	Mr. R. Narsing Rao	Spl. Grd. Attender	S.S.C	22-07-2004	18	*	18	
25	Mr. Kothakonda Balakrishna	Spl. Grd. Attender	I.T.I	18-12-2002	15	14	15	
26	Mr. M. Sammaiah	Spl. Grd. Attender	6 <sup>th</sup> Class	13-8-2004	18	-	18	

(a) Report (with evidences) on Latest Changes brought in the Revision of Curriculum and Syllabus

4 (b) Evidences of syllabus for UG and PG Programs

(b) Evidences of syllabus for UG and PG Programs BoS Meeting Minutes: Annexure – II

(a) Report on three level Internal Audit Committee Findings and Action taken: Academic Audit A1, A2

Description	Availability of Internal Audit Findings Report	Availability of Action taken Report
Audit I	V	
Audit II	~	
Audit III		V

BE I Sem - Audit 2 & 3

BE IV Sem - Audit 1

5

6

BE VI Sem - Audit 2

BE III Sem - Audit 3

BE VII Sem - Audit 2

- (b) Report (with evidences) on supplementary Teaching Tools / ICT
- (c) Any Other relevant information\_\_\_\_

(a) Report on Laboratory-wise Facilities with the following data:

(i) Equipment /Software Details

S. No.	Name of the Equipment / Software	Quantity	Price per Unit (Rs.)	Make and Model	Name of the Lab
1	GNM2-Lathe	04	169188 <u>.</u> 85	M/S Jayesams' Engineering	Machine Tools Lab

	T			ī i	
				co., 151,Rashrapathi Road, Sec'bad	
2	Tiger-Lathe	04	162780.00	M/S Union Machine tools., 134,Rashrapathi Road, Sec'bad	-Do-
3	MK(Mysore Kirloskar)- Lathe	04	185922.90	M/S Union Machine tools., 134,Rashrapathi Road, Sec'bad	-Do-
4	GEDEE WEILER Lathe	02	70410.24	M/S Union Machine tools., 134,Rashrapathi Road, Sec'bad	-Do-
5	Universal milling machine	01	106911.11	M/S Bharat Fritz werner Private Ltd., Peenya,Bangalore	-Do-
6	HMT Lathe	01	75428.00	M/S Qet Cos Ltd., factory, Umayanallor, P.O. Quilan,Kerala	-Do-
7	PSG Lathe	02	89372.08	M/S PSG Industrial Estate., 5-3-336,Rashrapathi Road, Sec'bad	-Do-
8	HMT ( New Lathe)	01	1552162.00		-Do-
9	Lathe Tool Dynamometer Drill Tool Dynamometer Milling Tool Dynamometer	1 Each	145000	Measure India	-Do-
10	Nano UTM	1	3061085	BISS	CAD/CAM Lab
11	Wear Lubrication and Friction Tester	1	980000	MAGNUM	-Do-
12	Ultra Sonic Flaw Detector	1	175000	ENISTIEN	-Do-
13	Image Analyzer	1	825000	Metco, SDM-IE200	-Do-
14	Sand testing equipment	1	282151	Mt.Sonic Engineers Pvt. Ltd,Secunderabad	Casting Lab
15	Welding Rectifier Throlex (401)(TLG)	1	120978	Advani Overlikon	Welding Lab
16	TIG Welding attachment model(ADOR TLG 25/30)	Ĩ	122737	Advani Overlikon	-Do-
17	MIG Welding M/c Ranger(400 D/C)	1	144121	Ashok Brothers, Koti,Hyderabad	-Do-
18	HP Z220 Workstation Consisting Of Ram-8GB, HDD-1TB, Graphic Card- 1GB, LRD Monitor-18.5"	25 Nos		HP	CFD Lab
19	HP Z420 Workstation Consisting of Ram-16GB, HDD-3TB, Graphic Card: NVIDIA 1GB, 23" LED Monitor	1	1977150	Microcare Computers Pvt Ltd	CFD Lab

20	Ansys Academic Teaching Version 19R1	50 Users	800000	ARK Info Solutions Pvt Ltd	-Do-
21	Altair Hyper WorksV-12 Version	2 Users	955622	Akademy of design & Architecture,Hyd	-Do-
22	Online UPS 10 KVA, Batteries	1	157067	Power INN Systems & Controls, Hyd	-Do-
23	LCD Projector NEC Projector [3-230X]	1	51525	Jyoti Audio Visual Pvt Ltd., Hyd	-Do-
24	Universal Vibration Apparatus	1	58500	Supersonic Electronics	DOM Lab
25	Universal vibration Apparatus	2	117000	-Do-	DOM lab
26	DELL Precession Work Station	10	1480000	DELL	R&D Block Hexagon Lab
27	CESAR-II,PV Lite, Tank, GT Strudl	1	650000	Software	-Do-
28	Monocular metallurgical microscope model METZ 56	5	67275	Metasonic engg radio centre sec.bad (p) Ltd.	-Do-
29.	Hydra 645 3D-Printer With MK450 Extruder	1	2537000.00	Adroitec Information System Pvt Ltd. Invoice no:- E/18/P/UP/280	Do
30	PC based image analysis system include color ccd camera framer gabber card and full image analyser software	1	200000	Metsonic engineers red cross road sec' bad	MSM Lab
S. No.	Name of the Equipment / Software	Quantity	Price per Unit (Rs.)	Make and Model	Name of the Lab
31	Hydraulic press Capacity – 50 Tons	1	249750	Borewell Hydraulic	MFT Lab
32.	SEMI-HYDRAULIC PIPE BENDING MACHINE	1	206500	TEKCONS SYSTEMS	MFT Lab
33	25 TONS Hydraulic press	1	58300	Union Machine Tools	MFT Lab
34	V.M.C TRIAC	1	1499332	M TAB Engineering Private Ltd	CAD/CAM Lab
35	TRIAC V.M.C TOOLING PACKAGE	1	70000	M TAB Engineering Private Ltd	-Do-
36	HP XW 4600 WORKSTATION	1	138320	HP-Apoorva IT Solutions	-Do-
37	Refurbrushing of TRIAC M/C with Tooling Package	1	300000	M TAB Engineering Private Ltd.	-Do-
38	HP 3330 DESKTOP - I7	20	975450	HP-Microcare Computers	-Do-
39	HP I5	15	661500	HP	-Do-

				r	
41	AIR COMPRESSOR	1	79660	SLS ENGINEERS	-Do-
42	DIGIMAT ACADEMIC RESEARCH SOFTWARE	1	173192	CSM SOFTWARE PVT LTD	-Do-
43	HP Z 240 WORKSTATION	10	735000	HP-Microcare Computers	-Do-
44	SOLID WORKS-18	500 Users	1087370	Logical Solutions	-Do-
45	Zeiss Measuring Optical Projector MP-320	1	95164	Zeiss	M & I Lab
46	Zeiss Large tool makers microscope	1	71479	Zeiss	-Do-
47	DAK Strain Gauge Starter kit		104760		-Do-
48	Mescon Make strain meter		85320	MESCON	-Do-
49	Dell Optiplex 3060 I7 Computer	1	52575	e DELL	-Do-
50	Taylor Hobson Talysurf Surface Roughness Tester S-100 Series	1	324500	Taylor Hobson Talysurf	-Do-
51	Optical/Profile Projector 400TE, Computerized Measuring System With 2D Software	1	487635	Zeiss	-Do-
52	VCR petrol Engine	1	88825	M/s Mectrix Engineers	ATD Lab
53	4 Stroke Multicylinder petrol engine	1	192400	Tech-ED Equipment Company	-Do-
54	Bajaj 2 stroke petrol engine	1	261169	M/s IND Lab Equipment	-Do-
55	Raise 3D N2 Plus 3D Printer Volume: 305 X 305 X 610	1	588000	Adroitec Engineering Solutions Pvt Ltd.	Additive Manufacturing Lab
56	Next Engine HD 3D Scanner	1	875000	Next Engine HD 3D	-Do-
57	Flash Forge Inventor 3D Printers, Build Volume: 230 X 150 X 160 mm3	2 Nos	165200	Daksha Online Services Pvt Ltd	-Do-
58	Form Labs SLA Base 3D Printer. Build Volume: 145 X 145 X 175 mm3	I	507400	Adroitec Information System Pvt Ltd.	-Do-
59	Markforged Onyxpro 3D Printer. Build Volume: 320 X 132 X 154 mm3	1	855500	-Do-	-Do-
60	Dell Optiplex 3060 I7 Systems Consisting Of Ram-8GB, HDD-1TB, Graphic Card-2TB, Monitor 20"	12 Nos	743994	Care Computer Services	-Do-

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60	GI sheet cutting machine	1	51620		Central Workshop
61	BOSCH tution kit for modernisation of workshop	1	269724	BOSCH tuition kit for modernization of workshop	-Do-
62	Refrigeration Tutor	1	82900	B.S. Pyromatic India (p)	Thermal Engg. Lab
63	Axial Flow fan	1	200000	INDLAB Equipment	-Do-
64	Centrifugal Blower Test rig	1	202800	-Do-	-Do-
65	Nozzle pressure distribution apparatus	1	105385	-Do-	-Do-
66	Air conditioning Tutor	1	72000	B.S. Pyromatic India (p) Ltd	-Do-
67	Subsonic WindTunnel	1	4,50,000/-		Do-
68	Coefficient of thermal expansion -Measurement of solids, liquids and gases	1	134004	INDLAB Equipment	Thermal Systems Lab
69	Heat pipe demonstration	1	83855	-Do-	-Do-
70	Thermal capacity of solids	1	56331	-Do-	-Do-
71	Determination of Isentropic coefficient of air-Clement Desormes Method	1	66812	-Do-	-Do-
72	Kirloskar 5 HP Diesel engine with computer interfacing	1	6029063	-Do-	-Do-
73	Cross flow heat exchanger	1	75531	-Do-	-Do-
74	Multicylinder 4-Stroke Diesel engine	1	737036	-Do-	-Do-
75	DELL Desktop Intel (R) Core i7-8700 CPU, 8GB RAM, 1 TB Hard Disk, DVD RW, 20"LED Monitor, Keyboard and Mouse	130Nos	7150000	DELL	Engineering Graphics & Design Lab
76	20 KVA Online UPS with 1/2 hour back	1	228400	Power Systems	-Do-
77	10KV online UPI Techsel Make	1	272000	Techsel	-Do-
78	Solar Thermal Training System	1	3.50,000/-	Ecosense Delhi	Design of Solar and Wind Systems Lab
79	Solar Concentrator Training System	1	5,50,000/-	Ecosense Delhi	Design of Solar and Wind Systems Lab
80	Wind solar Hybrid training system	1	8,26,000	Ecosense Delhi	-do-
81	G 3D Pixel Dual 3D Printer	7	52,330.508 Q	Keerthika Technologies	Digital Manufacuring

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82	ACAR 200 3D Printer	8	51,300	Makeva Technologies	
83	Wind – PV Hybrid Training System		8,26,000	Ecosense Sustainable Solution (P) 1 TD F-34/8, Okhla Industrial Estate, Phase-I, New Delhi	Design of Solar and Wind Systems Lab
84	Air Blower Test Rig Model: IC14 3HP Centrifugal Blower with 3 Impellers with a variable speed arrangement.	I	1,05,000	· Tech-ED Equipment Company, Nagarbhavi, Bengaluru	
85	Air Blower Test Rig Model: IC14 3HP Centrifugal Blower with 3 Impellers with a variable speed arrangement.	I	18,000	Tech-ED Equipment Company, Nagarbhavi, Bengaluru	Thermal Engineering Lab
86	Axial Flow Fan Test Rig Model: FM36A Mounted in a Transparent acrylic duct of 300mm dia, and 2m long with baffles at inlet (Suction)	1	80,000	Tech-ED Equipment Company, Nagarbhavi, Bengaluru	

(ii) Procurement of additional equipment / Software (in the current academic year if any).

S.No.	Name of the Lab	Name of the Equipment	Cost of the Equipment (Rs.)
1	CAD/CAM	SOLIDWORKS 2018 500USERS(2018-19)	1087370
2	Applied Thermo Dynamics	Dual fuel engine with computerised Test bed(MODROBS)	Rs8,45,359/-
3	Metal Forming	SPINNING LATHE MACHINE(11 11"BEDX11" CENTRE	1,53,400
4	Engineering Graphics & Design	HP Laserjet printers - 4 Nos.	41,998
5	DSWS Lab	Wind solar Hybrid training system	8,26,000
6	Material Science and Metallurgy Lab	Muffle Furnace     Master double disc polisher     Metzer-M Binocular Metallurgical Microscope	Rs.16,875/- Rs.54,360/- Rs.21,375/- Total including TAX= Rs.1,09,280/-
	Additive Manufacturing Lab	FlashForge 3Dprinters (6No's) Markforged & FormLabs 2 DELL systems I7(12nO'S) Hydra 3D printer 2020-21 Form 3B 3D printer	604160 1362900 743995 2537000
	Metrology & Instrumentation lab	1.Optical/profile projector 400TE     with comp measuring system with 2D     2.Taylor hobson Talysurf Surface Roughness     Tester(Surtronic S 100)	Rs.4,87,635/- Rs.3,24,500/-

- (b) Report on Consolidated Computing facilities in the Department
  - (i) Number of PCs: 244 Working, 1 Not Working
  - (ii) List of the Software/ Software packages/Simulation Tools: Annexure III
  - (iii) No of Printers available: 12 Working, 1 Not Working
- (c) Availability of updated Stock Registers: Yes
- (d) Adoption of safety measures in the Department: Yes 10



1	<u>,</u>					
7	Report on Faculty Improvement/Enrich  (a) FDP/STTP/Workshops/Seminars of  (b) Conferences organized by the Depa  (c) FDP/STTP/Workshops/Seminars at  (d) Conferences presented/attended by  (e) Any Other relevant information:  Awards received by the faculty: 07  Guest Lectures delivered / Resource  Books Published: 04  Contribution to the outside world: 0  Other Achievements: 01  Industrial Visit: 05	rganized by the Department: Nil tended by the faculty: 1 the Faculty: 15	ent: 07			
8	(a) Report on Research Publications: E  (i) No. of publications in Journals  • National : 0  • International : 0  • International : 01  (b) Report on Patents/ copyrights/Indu  (i) Published: 07  (ii) Granted : 0	3 es	cked,			
_	(a) Report on Ongoing Research/Spons	ored Research Project l	Details:	/		
	Title	Name of PI and Co-PI		Funding	Amount in Rs	Status
	Design and Development of Componer		idy	Agency CBIT	50,00,000	Ongoing
	of Artificial Heart  MODROBS Development of Ceramic  Coated Diesel Engine Fuelled with CNC and Biodiesel Blended	G HOD & Narsimha	Kumar	AICTE MODROBS	9,95,000	Ongoing
	Optimization of Process Parameters for Additive Manufacturing of Defence components	Dr. G Chandra Mo Dr. PVR Ravindra		DRDL	9,70,000	Completed
	FE Analysis of EFGC 16	Dr P Ravinder Red Dr G Laxmaiah		J K Fenner (India) Ltd, Hyderabad	47,000	Completed
	Utilization of 3D Printing	Mr. A. Chandrakan Anjani Devi	th & Mrs. P.	Innopark ventures	70,000	Completed
)	AICTE IDEA LAB	Dr BVS Rao		AICTE	15,00,000+ 80,00,000 (CBIT)	Ongoing
	Thermo-structural studies on RCC structures for impact analysis	N Janardhan		ASL-DRDO	9,50,000	Ongoing
	Any Other relevant information  (b) Report on Consultancy Details: Ann	nexure IX				
	Name of Faculty (Chief Consultant)	lient Organization	Title of Con Project	sultancy	Amount Rec Rupees)	eived (in
	Dr. NV Srinivasulu U	nacademy	contribution meeting the and Technic	need of Skilled ally conversant ad Management		000

7	1.				that embarke	ad on an		
*					Economic G			
	CAD/CAM I	.ab	Differen	at Organisations	Consultancy done for vari organization A		22	2,200
	Any Other re	levant informati	on					
	Report on Stu (CAYm1) (a) UG	udent Projects an	nd their outcomes	in terms of publi	cations/ IPR			
	Class/ Section	Projects Carried out within the Department	Project carried out in R&D/Defence /Govt. Organisation	Projects carried out in Private Industries/ MNC	Projects carried out through Internships	Fabricated Projects	Projects leads to Publication	Projects leads to Patent
	BE VIII Mech F1	11	01	06	0	06	Nil	Nil
	BE VIII Mech F2	14	04	02	02	09	Nil	Nil
10	BE VIII Prod G	04	0	08	0	06	Nil	Nil
10	Total	29	05	16	02	21		-
	(b) PG							
	Class/ Section	Projects Carried out within the Departmen	Project carried out in R&D/Defence /Govt. Organisation	Projects carried out in Private Industries/ MNC	Projects carried out through Internships	Fabricated Projects	Projects leads to Publication	Projects leads to Patent
	ME Thermal Engineering	05	01	Nil	Nil	Nil	Nil	Nil
1	ME CAD/CAM	02	07	Nil	Nil	Nil	02	Nil
	Total	07	08	-		-	02	-
11	An MoU v     Srinivasul     MoU betv	was made with Uu. ween CBIT and	ng /Completed Act Unacademy on 22 M/s Fastworks Co Besides Kalamand	.3.2022 which ge	s Pvt. Ltd. (3D			
	(a) Library	rary, Internet & and Information Programme-wise						
4	13/5	Number of Titl						
			of Books: 11631		7			
12		i) Number of Jo						
	88.2		lls Subscriptions:					
			s Subscriptions: 1	00+				
	(vi	) Any other iter	n: -					
	100000							- III
	(b) Departm	nent Library: rogramme-wise						

(i) Number of Titles: 133 (ii) Total volumes of Books: 159 (c) Internet Connectivity: 1 Gb leased line from Pioneer-E Labs Report on Placement, Internship and Training activities: Annexure - VIII (a) Placement Activities: (i) Number of companies Visited: 57 (ii) Number of Students Placed: 71 (35+27+9) (iii) Highest Salary offered: 19L Per Annum (iv) Average salary offered: 6L Per Annum (v) Median Salary offered: 5.5L Per Annum (b) Internship Activities: 13 (i) Number of Organizations offered Internships: 68 (ii) Number of Students carried out Internships: 95 (Affidavit Submitted) + 75 (Permission from College) (iii) Number of Internships carried out with stipend: 51 (iv) Total Number of Internships: 170 (v) Highest Stipend offered: Rs. 25,000 Per Month (c) Report on Training Activities/coding school activities/soft skills conducted for your Department students by Career Development Centre/your Department; CAYm1 (Annexure - IV) (a) Report on overall Results (B.E/B.Tech) (i) Overall Pass Percentage: Mechanical: 97.62%, Production: 84.78% (ii) Percentage of Distinctions: Mechanical: 69.84%, Production: 43.48% (iii) Percentage of First Classes: Mechanical: 26.98%, Production: 39.13% Note: Report on CO and PO attainments are to be evidenced (b) Report on Semester wise results (B.E/B.Tech) Mechanical Semester Production Semester Pass % 54.70% II Semester Pass % III Semester Pass % 70.40% IV Semester Pass % Semester Pass % 76.92% 68.97% VI Semester Pass % 83.08% 75.86% VII Semester Pass % 83.33% 69.57% VIII Semester Pass % 100.00 % 91.30% 14 Number of Students discontinued from the program: 09 Mechanical Engineering 1601-21-736-009 1601-10-736-028 1601-17-736-093 1601-17-736-032 Production Engineering 1601-09-738-008 1601-13-738-029 1601-13-738-003 1601-17-738-022 1601-12-738-037 (c) Report on overall Results (PG Programs : M.E/M, Tech/MBA/MCA) AY: 2019-2020 to 2020-2021 (Batch: 2019) (i) Overall Pass Percentage: ME (CAD/CAM): 81.82%, ME (TE): 100.00% (ii) Percentage of Distinctions: ME (CAD/CAM): 54.55%, ME (TE): 88.89% (iii) Percentage of First Classes: ME (CAD/CAM): 27.27%, ME (TE): 11.11%

Parkathy completed, and the Note: Report on CO and PO attainments are to be evidenced

(d) Report on Semester wise results (PG Programs : M.E/M.Tech/MBA/MCA)

Semester	ME CAD/CAM	ME Thermal Engineering
I Semester Pass %	66.67%	85.71%
II Semester Pass %	.=:	
III Semester Pass %	100.00%	100.00%
IV Semester Pass %	-	

Number of Students discontinued the program: 2 160116765008

160119765011

#### (CAYm1)

Report on Co-Curricular and Extra-Curricular Activities (with evidences): Annexure - VII

#### **Student Achievements:**

- 1. Total 42 Students of PRAHETI RACING, SAE Team, CBIT had participated in 2021 FORMULA GREEN CHALLENGE organised by ISNEE MOTORSPORTS PVT LTD from 23 OCT 2021 TO 31 OCT 2021.
- 2. 27 students had carried out an e-technical orientation in Defence Metallurgical Research Laboratory during 22nd Sept to 12th October 2021.
- 3. Karthik and Asgar of VI sem Mech-2 got 3rd All India Rank in NextGen Product Champion, NASSCOM Product Conclave held from 1st to 4th December'2021

#### International Participants:

Munek Battula - 1/4 Mechanical2 - Skeet Shooting - Participated in ISSF Junior World Cup - held in Suhl, Germany -7th to 21st May 2022 - Ranked 44.

#### University Representatives:

B. Venkat Sai - 4/4 Mechanical 2 - Weight Lifting - Participated - All India Inter University Tournament - held at Chandigarh University Mohali (Punjab) from 08-03-2022 to 12-03-2022.

S.No	Discipline	Place	Tournament / Venue	Players / Class
1.	Table tennis Men (Doubles)	Winner	MGIT,Gandipet	Y. Venkata Karthik Sai -3/4 Mechanical 2
2.	Table tennis Men (Doubles)	Winner	Anurag University,Ghatkesar 22 <sup>nd</sup> & 23 <sup>rd</sup> April 2022	Y. Venkata Karthik Sai -3/4 Mechanical 2
3.	Cricket Men	Winner	Anurag University,Ghatkesar 22 <sup>nd</sup> & 23 <sup>rd</sup> April 2022	Gaurang Rathi -4/4 Production C. Udaykiran Reddy-3/4 Mechanical
4.	Table tennis Men (Doubles)	Winner	Malla Reddy Institute of Engineering & Technology, Dhulapally 29 <sup>th</sup> & 30 <sup>th</sup> April 2022	Y. Venkata Karthik Sai -3/4 Mechanical 2
5.	Cricket Men	Winner	Vidya Jyothi Institute of Technology, Hyderabad, 12 <sup>th</sup> & 13 <sup>th</sup> May 2022	C.Udaykiran Reddy-3/4 Mechanical Rishikesh T-4/4 Production
6.	Cricket Men	Winner	Mahindra University, Hyderabad, 16 <sup>th</sup> & 21 <sup>st</sup> May 2022	C.Udaykiran Reddy-3/4 Mechanical Rishikesh T-4/4 Production Gaurang Rathi -4/4 Production

(a) Report on Stakeholder's feedback (Annexure - V)

Evidences of Feedback reports and action proposed /taken for

- (i) Program exit survey: Yes
- (ii) Course exit survey: Online
- (iii) Alumni: Yes
- (iv) Employers: Yes
- (v) Parents: Yes

(b) Evidences of Feedback reports on the Faculty and action proposed/taken reports

Report on Minutes of meetings and also on action taken/initiated respectively

17 Board of Studies: Annexure - II

Department Advisory Board

wet conducted.

- (c) Department Research Committee
- (d) Programme Assessment and Quality Improvement Committee: L
- (e) Course Expert Group

18

- (f) Common Course Committee
- (g) Multiple Course Committee
- h) Any other Academic Committee

Report on Student mentoring and counseling process with evidences: Annexure - X

The department has a well-established mentoring system to address all the students of every class in a group and individually as well. For every 20 students (or1/3<sup>rd</sup> of the class, as the case may be) a mentor is allotted and an exclusive mentoring slot is allocated in class time table for each such group of every class in a week. Respective mentors of a class/section will be interacting with the students every week, recording their interactions with individual student in a book called "Mentoring Diary and Student's Progression Record".

Mentoring is intended to continuously monitor, counsel, guide and motivate each individual student in all academic and even personal matters. The respective mentors will be counseling such student(s) that they may feel weak in a particular aspect, to the extent possible. In case of any severe need the matter will be brought to the notice of the Director of student affairs and Progression (SA&P), through their respective heads. Director — SA&P will refer the case to a professional counselor, if needed, after referring it to 'Student Counselling Committee' operating at the institute level. An exclusive 'Student Counsellor' is also nominated in the institute to counsel the needy student(s), on a priority basis, individually.

The system thus developed has proved to be efficient in identifying and addressing the problems of individual students and is working out successfully in the institute. Students are able to express their views freely and faculty are able to go closer to the individual student and at time to even their parents. Whenever an issue raised by an individual is common to a larger group of the class, efforts will be made by the respective mentor(s) to arrange a special lecture.

#### Report on Infrastructural Details of the Department:

(a) Class rooms/Tutorial rooms/Drawing Halls/Laboratories/Department Library/ HoD Office /Faculty rooms/seminar halls/waiting halls etc

S.No	Description (Class Rooms)	Hall/Room Numbers	Area (in Sqmts)
1.	BE Mechanical II Year F1 Section	E301	72 Sq. mts.
2.	BE Mechanical II Year F2 Section	E302	72 Sq. mts.
3.	BE Mechanical III Year F1 Section	E 303	72 Sq. mts
4.	BE Mechanical III Year F2 Section	E 304	72 Sq. mts.
5.	BE Production III Year G Section	E 204	72 Sq. mts
6.	BE Mechanical IV Year F1 Section	E 201	72 Sq. mts.
7.	BE Mechanical IV Year F2 Section	E 202	72 Sq. mts.
8.	BE Production IV Year G Section	E 203	72 Sq. mts
9.	ME CAD/CAM I Year	PG Block 101	72 Sq. mts.
10.	ME Thermal Engineering I Year	PG Block 102	72 Sq. mts
11.	ME CAD/CAM II Year	D 201	72 Sq. mts
12.	ME Thermal Engineering II Year	D 102	72 Sq. mts
13	First Year Class Rooms	M Block	

S.No	Details	Area (in Sq. mts.)
1.	Tutorial Rooms (2)	144 Sq. mts.
2.	Drawing Hall (1)	144 Sq. mts.
3.	All Labs (12 Labs)	1557.27 Sq. mts.
4.	Department Library	72 Sq. mts.
5.	HOD Room	87.5 Sq. mts.
6.	Seminar Halls (2)	216 Sq. mts.
7.	Waiting Halls	

(b) Number of LCD Projectors/Digital Boards available in class rooms/seminar Halls/ Laboratories Number of LCD: 13

Digital Boards available in Class Room: 1

(c) Information on any other Teaching Aids:

Laptop: 1 White Boards: 14

Action taken report of the previous year "Academic Audit" findings and the effectiveness of the same:

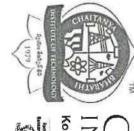
20

2%	Action taken report of the previous year "Program Exit St same:	urvey Feedback" findings and	effectiveness of the
22	Any other Relevant information :		
	Note: Furnish the details in separate sheet where ever necessary.		
Nam	e of the Auditor and Designation	Signature	Date
1	M-A-D-SARMA professor, ECE Dypt .*	Arosan	17/08/2,022
۲	W. K. SAGTA, Arajussy, USE Dept	Jermy_	17/08/2022
1.7	he stafforce adicised to concentrate more of	n evaluation para	meters that

Signature of HoD



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











RESEARCH, INNOVATION AND EDUCATION COMMITTED TO

# **Audit Report**

Mechanical Engineering

Auditor team Department

Date of Audit

NAAC &

All India 133rd Rault In

niff annual 9001:2015

Publications, Research projects and patents

Prof. K.Sagar, Professor, Dept. of CSE 17 August 2022 Prof. A.D. Sarma Director R&D

Web of Science         Sponsored Amount         Consultancy amount         Published         G           2020-21         2021-22         2020-21         2021-22         2020-21         2021-22         2020-21         2021-22         2020-21         2020-2									- (	(	·	1	
Web of Science         Sponsored Amount         Consultancy amount         Published         G           2020-21         2021-22         2020-21         2021-22         2020-21         2021-22         2020-21         2021-22         2020-21		0	01	OS		P	8 8.0		000	ά α	ī	00	-
Web of Science         Sponsored Amount         Consultancy amount         Published         G           2020-21         2021-22         2020-21         2021-22         2020-21         2020-2		-	-	1			-				-		
Web of Science Sponsored Amount Consultancy amount Published G	1 2021-22	7070-71	2021-22	2020-21	2021-22	2020-21	2021-22	2020-21	2021-22	2020-21	2020-21   2021-22	2020-21	
Web of Science Sponsored Amount Consultancy amount Published	2001	000001	200	-					The second second		2000	0000	0.110
	nanted	0	Ished	Publ	y amount	Consultanc	1 Amount	Sponsored	cience	Web of S	DIIS	Sconus	o No
	1	)				-					T ALCOHOL T		
Publications Sanctioned Projects Farents		ents	Fall			Projects	Sanctioned			cations	Publi		

based on the year 2020-21 feedback of Alumnae, Stakeholders and Students

S. No	. No Action	Kemarks
-		
1.		
2.	Coby enclosed	
3.	80	
4.		
7		

20	88	0	ナナ	25	84	-
Pursuing Ph.L	Without Ph.D	With Ph.D	Without Ph.D	With Ph.D	lotal Number of Faculty	S. No
No. of Faculty	t Faculty	Contrac	Faculty	Regular	T	

Signature of HoD

#### Chaitanya Bharathi Institute of Technology Department of Mechanical Engineering

Action initiation/ taken report on Stake holders feedback

S.No	Concerns raised	Action/Remark
1	Internet and Wi-Fi facilities: coverage in the campus has to be improved. There are many places in the college where wifi is not accessible.	The same will be brought to the notice of higher authorities
2.	Accounts Section Services: there should be some body who can answer the student queries on phone.	The same was brought to the notice of higher authorities through the proper channel (IQAC)
3.	Library facilities: issue of the books may be done after the college hours also.	The same was communicated to librarian through director IQAC
4.	Hostel facilities(if applicable): Food and cleanliness may be improved.	The same was brought to the notice of higher authorities trough proper channel (IQAC)
5.	Career Counselling & Guidance for higher studies provided:	short seminars may be conducted with different institutions providing different types of coaching. HoD will take the responsibility of the with permission of authorities
6.	Motivation towards Research & Development(R&D): Students should be involved in R&D from second year onwards and the R&D center and the labs should be open for longer hours.	notice of R&D cell.



To,

The Director, IQAC CBIT.

Respected Sir,

We are given the task of auditing Mechanical Engineering Department for Audit-1: III Semester of B.E Program Audit-2: V and VII Semesters of B.E Program Academic Year: 2021-22.

The following observations were noted while auditing the Mechanical Department by our Team.

Semester	Mechanical section (F1)	Mechanical section (F2)	Production(G)	Team
III Sem	All Submitted	All Submitted	N/A	Dr T Sridevi, Smt. I srujana
V Sem	18MEE05 Not Submitted	18MEE05; 18PEC08 Not (	18MEE05 is pending	Dr R.Ravinder Reddy, Dr. K. Morarjee
VII Sem	18MEC22, 18MEC25 Not (Submitted		All Submitted	Dr Sangeetha Gupta, Dr E. Padma Latha

With Regards

Dr T Sridevi(coordinator)

Audit Team(CSE)

Head, MED

PROFESSOR & HEAD

Department of Mechanical Engineering
Chaitanya Bharati Institute of Technology
Chaitanya HYDERABAD-500 075, (T.S.).
Gandipet, HYDERABAD-500 075

Faculty has requested to conduct sucht - 2 for 18PEC 08 on 181 ular. Sight the Permission of Director, IQAC, Andir - 2 is conducted on 181 ular. Algebra to conduct Andir - 2 for 18 MEEOS (F1, F2, Prod), 18 MEC 24, 18 MEC 26 on 121 ular. So, and the permission of Director, IQAC we conducted the Avoir - 2 for the above said subjects. Left.

Faculty has subjected the copies 12 ular.

#### BE Much (III sem) FIL Fiz

Chaltanya Bharathi Institute of Technology (A) Department of Mechanical Engineering

III Sem. B.E. Mechanical Engineering (Section F1)

Class Time Table for the AY 2021-22 (odd sem), w.c.f. 25.10.2021

Room No. E 301

			III Semester	Mechanical F1	TENNET THE		The state of the
Time/Day	09.10 - 10.10	10.15 - 11.15	11.20 - 12.20	12.25 - 01.25	01.25 - 02.10	02.10 - 03.10	03.20 - 04.20
MON	MP	SOM	PDE	PDE	STAR FRANCI	UIIV	ES
TUES	SOM	SOM	BDS	MP		MSM	UIIV
WED	MSM Lab (B1) / MP La	SOM Lab (B2) / b (B3)	PDE	MP	LUNCII	MSM Lab (B2) / MP La	
THU	MSM Lab (B3) / MP La		MSM	ES	BREAK	BDS Lab (I	
FRI	BDS	SOM	MSM	MP		PDE	UIIV
SAT	Counselling	FIT India	NUTRAL SELLEN LANG	description area		International Control	DESCRIPTION OF THE PARTY OF THE

	Batch 1:	160119736026, 160120736001 to 160120736023
Lab Batches	Batch 2:	160120736024 to 160120736045
1.004.0021.519.31054.6450.4	Batch 3:	160120736046 to 160120736055, 160120736301, 160120736302, 160120736303, 160120736304, 160120736305, 160120736313, 160120736314, 160120736315, 160120736316, 160120736317, 160120736318

Subject Code	Subject Name	N:	ome of the Faculty	Contact number
		THEORY	*	CONTRACTOR OF STATE OF THE STAT
20MEC04	Material Science And Metallurgy	Dr. Rahul		9701333342
20MEC05	Strength of Materials	Mrs. Ch.	V. Sushma	8317643775
20MEC06	Manufacturing Processes	Dr. P. V. R	. Ravindra Reddy	9848312096
(20MTCOS)	Partial Differential Equations And S	tatistics Dr. G. Dec		9490190646 -
(20CSC06)	Basics Of Data Structures	Smt, G. M		9491870706
20EGM03	Universal Human Values-II: Underst Harmony	anding Mrs. N. Jy	othirmayi	9966006984 -
20CEN101	Environmental Science	Smt. Kart	nika Kishore K	8333090365
/ .		PRACTICALS	LLUGGE CONTRACTOR CONT	00000000
20MEC07	Material Science and Metallurgy Lab	Dr. Rahul		9701333342
20MEC08	Strength of Materials Lab	Mrs. Ch. V	Sushma	8317643775
20MEC09	Manufacturing Processes Lab	Dr. P. V. R.	Rayindra Reddy	9848312096
(20CSC07)	Basics Of Data Structures Lab	Smt. G. M:		9491870706
		Sri. N. Ven	kateswara rao	9248161694
	Counselling / Mentoring	Mrs. Y. Na		9885053049
			simha Kumar	9848349240
				7040547240
lass teacher	Si	i. N. Venkateswara rao		9248161694
irector - IQAC		r. N. V. Koteswara Rao		(0,000 to 0,000 to 0,
irector - Academ		. K. Krishna Veni		9848244879
oint Director - Ac	201601-25022	. M. Swamy Das		9703411220
				9490475959

Timetable Incharge

Dr. L. Suresh Kumar

Dr. Rahul

Sri. K. Yasoda Sreeram

Head, MED Dr. P.V.R Ravindra Reddy

20MECO4, 05, 06;07,08,09 and 20 EGM03(F1&FZ) Submitted.

I. Sonjana 15/11/2021 Initity (DaiTisniden) The Head, MED,

CBIT.

Respected Sir/Madam,

As per the directions of the DIRECTOR, IQAC the ACADEMIC AUDIT-3 was conducted for your department on 12/11/21 ,13/11/21 for the Academic year 2021-2022. The following findings were noticed during the Audit.

S. No	Name of the Faculty	Course Code	Audit Findings	Remarks
1.	Dr. Rahul	20MEC 07	Lesson Plan and Question Bank are pending. Lab Manual is Pending	completed
2.	Smt N.Jyothirmayi	20EGM03	CEG Group meeting minutes and sample SEE question Paper are pending	Completed
3.	Dr Rahul	20 MEC04	Class Test I paper is Pending	completed
4.	Dr P V R Ravinder Reddy	20 MEC 09	Lab Viva Questions Pending	completed
5.	Dr S Solman Raj	20MEC 08(Lab), 20 MEC 05	Attendence Register Pending(both Theory and lab)	completed completed completed
6.	Dr HAri Krishan Yadav	20EGM03	CEG Group meeting minutes and sample SEE question Paper are pending	Completed
7.	Dr Aleem Pasha	20 MEC 04, 20 MEC 07(Lab)	Question Bank Cos are pending and prepared for two units. Lab Manual is Pending Lab Viva Questions Pending	Completed
8.	Dr BVS Rao	20 MEC 06	In Slip Test question paper CO and BL are missing.	Completed

			Class Test I pending	
9.	Sri A Chandrakanth	18 PEC 07	Remedial Class Record Pending Slip Question Paper with Solution is Pending Attendance Register is Pending	Completed
10	Sri A Chandrakanth	18PEC 08	Record of Reviews on Project Part I is Pending	Complete
11	Dr B L Suresh Kumar	18 MEC23	Slip Test I BLs pending	Completed

Hence you are further requested to direct the concerned faculty to rectify the above audit findings by 27/11/21 and forward the same to the Director, IQAC at the earliest

Dr T Sridevi

Associate Professor, CSE Department, Academis Audit I and II, Coordinator

Copy to Director ,IQAC

#### Chaitanya Bharathi Institute of Technology(A) Gandipet, Hyderabad-75 Date:04-01-2022

To,

The Director,

**IQAC** 

Respected sir,

Sub: ConsolidatedAudit-2 and Audit-3Report of theB. Tech III Sem, VSem and VII Sem of the Departments of Chemical, SMS and Mathematics-Reg

S. No	Name of the Auditee Department	Auditing completed Yes/No	and Name of the Faculty	Pending in Audit- 1(IIISem) or Audit-2 (V Sem &VII Sem)
	Gl incl Engineering	Yes	Nil	
1	Chemical Engineering		Nil	Nil
2	SMS	Yes	(80)(92)	Nil
3	Department of Mathematics	Yes	Nil	

Thank you sir

Submitted by

Audit Coordinator

Dr C.Obula Reddy

Department of Biotechnology

Department of Chemical Engg., :: CBIT B.Tech. ChE (MC) AY: 2021-22, Sem: V

Sub: Allcht263

Date: 4-1-2022

S.No.	Code	Subject Name	Faculty member	Auditorsian
1	18CH C10	Chemical Reaction Engineering - I		Auditor sign
2	18CH C11	Mass Transfer – I	Dr.P.Madhuri	2
3	18CH C12	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dr.Harsha Nagar	Cd
	10011012	Heat Transfer	Dr.V.Swapna	Co
4	18CH C13	Particle and fluid particle processing	Dr.B.Ganesh	ey.
5 6	18CH E01 18CH E02	Core Elective-I Water Conservation and Management Renewable Energy	Dr. P.V. Naga Prapurna Dr.P.Madhuri	co
7 8 9	18CH E04 18CH E05 18CH E06	Core Elective-II Polymer Science and Technology Green Technology Catalysis	Dr.Harsha Nagar Dr.M.Kalyani Sri. I. Balakrishna	Buch
	Practicals:	4		7
10	18CH C14	Chemical Engg.Lab 1A MUO	Dr.B.Ganesh	St.
11	18CHC15	Chemical Engg.Lab 1B FM & HT	Sri.K.PrasadBabu	Ge -
12		Mentors	Sri. I. Balakrishna (B1) Sri.K.PrasadBabu (B2) Dr.V.Swapna (B3)	_
		Class Teacher	Dr.B.Ganesh	_





### Internal Quality Assurance Cell (IQAC) Audit-1, Academic Year: 2021-22

Faculty Name with Designation and Department:Smt. Venkata Sushma Chinta, Mechanical

Course Name and Code: Strength of materials & 20MEC05

Semester:III sem

Name of the Program: B.E Mech

Section:F1

S.No.	Item Description	Available	Remarks	Review	Remarks
1.	Vision and Mission of the Institute	yes	Kemarks	Keview	Kemarks
2.	Vision and Mission of the Department	yes			
3.	Program Educational Objectives (PEOs)	ves			
4.	Program Outcomes (POs)	yes			
5.	Program Specific Outcomes (PSOs)	yes			
6.	Syllabus R-20 Copy	yes		-	
7.	Course Outcomes (COs)				
8.	CCC/CEG Group Meeting Minutes				
9.	CO, PO and PSO Correlation Matrix				
10.	Target Values of COs	/			
11.	Target Values of respective POs	/			
12.	Class Time Table and Faculty Time Table	/			
13.	Lecture Notes (Hand written/Soft Copy)				
14.	Sample Assignments, Slip Test and Class Test (Mid) question papers (For Theory Course)	V			
15.	Sample SEE Question Paper ( For Theory Course)	V.			
16.	Laboratory Manual : Soft Copy/Hard Copy (for Lab Course)	_			
17.	Lesson Plan / Lecture schedule (include the list of additional topics to meet the outcomes, if required)		+		
18.	Question Bank prepared as per Bloom's Taxonomy (for theory course)/ Viva Questions for each experiment (for Lab Course)	_			
9.	Guidelines/Rubrics for Evaluation of "Project: Part-1"	-NA-			
0.	Attendance Register(s)				
F	che dun 12/1/12/ aculty Signature with date		HoD S	Local Signature w	ith date
Name of the Auditor		Signatu	ire	HoD Signature with date  Date	
Dr	T. Snidemi	12	-	12/11/	21
-	I. Sonjane			12/11/	

Director- Academics

Director-IQAC

Principal





#### Internal Quality Assurance Cell (IQAC) Audit-1, Academic Year: 2021-22

Faculty Name with Designation and Department:	Da. PAHUL	Aset . Ref.	MED
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Course Name and Code: MATERIAL SCIENCE ( METALLVILLY IAR - 2011ECO7

Name of the Program: B.E/B-Tech( METALLAM ENLY Section: MECH-F1

S.No.	Item Description	Available	Remarks	Review	Remarks
1.	Vision and Mission of the Institute				
2.	Vision and Mission of the Department	~			
3.	Program Educational Objectives (PEOs)	/			0.0
4.	Program Outcomes (POs)	/			
5.	Program Specific Outcomes (PSOs)	/			
6.	Syllabus (R-18/R-19/R-20) Copy				
7.	Course Outcomes (COs)				
8.	CCC/CEG Group Meeting Minutes	~			
9.	CO, PO and PSO Correlation Matrix	<b>/</b>			
10.	Target Values of COs				
11.	Target Values of respective POs				
12.	Class Time Table and Faculty Time Table		9		
13.	Lecture Notes (Hand written/Soft Copy)				
14.	Sample Assignments, Slip Test and Class Test (Mid) question papers (For Theory Course)				
15.	Sample SEE Question Paper ( For Theory Course)				
16.	Laboratory Manual : Soft Copy/Hard Copy (for Lab Course)		Old me R20 4		epere
17.	Lesson Plan / Lecture schedule (include the list of additional topics to meet the outcomes, if required)	d d	Parshiy		
18.	Question Bank prepared as per Bloom's Taxonomy (for theory course)/ Viva Questions for each experiment (for Lab Course)		Pending		
19.	Guidelines/Rubrics for Evaluation of "Project: Part-1"	_			
20.	Attendance Register(s)	~ 1	Pendiy (	ensities	)
F	aculty Signature with date			4 )	2.7
- 1	Name of the Auditor	Signature		Da	te
09	Tisniden	XI.	-	2+ 12	luly
	T. Smicha	CIL		12	11/21

Director- Academics

Director-IQAC

Principal



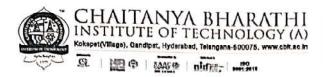
COMMITTED TO RESEARCH.
INNOVATION AND EDUCATION
YEAR

Principal

#### Internal Quality Assurance Cell (IQAC) Audit-2, Academic Year: 2021-22

Facu	lty Name with Designation and Department:	. Cha	ndrak	anth,	Asst.	Prof., MED.
	rse Name and Code: MCMTE Lab				ester: $$	
	e of the Program: B.E/B.Tech( B. E		,	Secti	ion: F <sub>2</sub>	
S. No.	Item Description	Available	Remarks	Review	Remarks	
1.	Class Test-I Question paper with Solutions					
2.	Class Test-I Marks Award List					
3.	Identification of Slow Learners for Remedial Classes (Less than 50% Marks in Class Test –I)	J				
4.	Record of Remedial Classes conducted, if any					
5.	Slip Test -I (Question Paper with Solutions)	_				
6.	Award List of Slip Test – I					
7.	Assignments-I (Question Paper with Solutions)	_				
8.	Award list of Assignments I	-				
9.	Details Course end projects (If applicable)					
10.	SEE Model Question Paper with BT, COs along with marks	-				
11.	Lecture Notes (Soft Copy/Hard Copy)					
12.	Consolidated Attendance statement of students	V				
13.	Lab Observation Books/ Records with CIE (Samples).	~				
14.	Record of Reviews on Project Part-I	pending	1			
Facult	y Signature with date		HoD S	ignature		200
	Name of the Auditor	Signat		Da		
1. D	r. R. Ravihler Reddy r. K. Moravjee	Of	4	18-11-	202	
2.0		1000	2.	18-11-	-2021	

**Director- Academics** 



COMMITTED TO RESEARCH, INNOVATION AND EDUCATION YEAR

#### Internal Quality Assurance Cell (IQAC) Audit - 2, Semester - 1, 2020-21

Faculty Name with Designation:	ACK, Assistant protects	
	- Hu C. Machia Ergiver	Semes

ourse Name with code: Med cutting St Mochia Gran epartment: (18 PECOT) Program: NED

Section: Medu F

Item Description	Available	Remarks	Review	Remarks
Class Test-I Question paper with Solutions				
Class Test-I Marks Award List	~			
Identification of Slow Learners for Remedial Classes (Less than 50% Marks in Class Test –I)	V			
Remedial Classes Record	pending			
Slip Test – I Question Paper with Solutions	pending			
Slip Test - I Marks Award List	<u></u>			7
Slip Test - H Question Paper with Solutions	سد			
Slip Test H Marks Award List	V		/ 1/2	
Assignments given/ Course End Project assigned Students (Three)	~			
SEE Model Question Paper with BT, COs along with marks			a	
Lecture Notes (Hand written/typed)				
Consolidated Attendance statement of students	penains			
Lab Records with CIE ( Samples), for Practical Classes		W T		
	Class Test-I Question paper with Solutions  Class Test-I Marks Award List  Identification of Slow Learners for Remedial Classes (Less than 50% Marks in Class Test –I)  Remedial Classes Record  Slip Test – I Question Paper with Solutions  Slip Test – II Question Paper with Solutions	Class Test-I Question paper with Solutions  Class Test-I Marks Award List  Identification of Slow Learners for Remedial Classes (Less than 50% Marks in Class Test – I)  Remedial Classes Record  Slip Test – I Question Paper with Solutions  Slip Test – I Marks Award List  Slip Test – II Question Paper with Solutions  Lecture Notes (Hand written/typed)  Consolidated Attendance statement of students	Class Test-I Question paper with Solutions  Class Test-I Marks Award List  Identification of Slow Learners for Remedial Classes (Less than 50% Marks in Class Test – I)  Remedial Classes Record  Slip Test – I Question Paper with Solutions  Slip Test – I Marks Award List  Slip Test – II Question Paper with Solutions  Lecture Notes (Hand written/typed)  Consolidated Attendance statement of students  Persing	Class Test-I Question paper with Solutions  Class Test-I Marks Award List  Identification of Slow Learners for Remedial Classes (Less than 50% Marks in Class Test -I)  Remedial Classes Record  Slip Test - I Question Paper with Solutions  Slip Test - I Marks Award List  Slip Test - II Question Paper with Solutions  Lecture Notes (Hand written/typed)  Consolidated Attendance statement of students

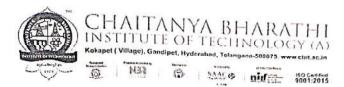
**Director- Academics** 

Name of the Auditor

Director-IQAC

Date

Signature





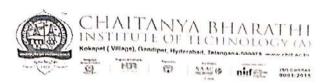
#### Internal Quality Assurance Cell (IQAC) Audit-2, Academic Year: 2021-22

Faculty Name with Designation and Department: Dr. Prasanna Rani R, Asst. Professor, Chemical Engg.

Course Name and Code: Material and Energy Balance Calculations (20CHC03) Semester: III

S. No.	te of the Program: B Tech  Item Description	Available	Remarks	Review by HoD	Remarks
1.	Class Test-I, Question paper with Solutions				
2.	Class Test-I: Award List (Marks)				
3.	Assignment – I, Question Paper with Solutions (Blooms Taxonomy levels: BL4 and BL5)				
4.	Award List(Marks) of Assignment - I	/			
5.	Slip Test – I, Question Paper with Solutions	/			114
6.	Slip Test – I, Award List (Marks)				
7.	Slip Test – II, Question Paper with Solutions				
8.	Slip Test – II, Award List (Marks)				
9.	Identification of Slow Learners for Remedial Classes (Less than 50% Marks in Class Test –I)				
10.	Record of Remedial classes conducted				
11.	SEE Model Question Paper with BT, COs along with marks	/			
12.	Lecture Notes (Hand written/Soft Copy)				
3.	No. of experiments conducted in the Lab Course	NA			
4.	CIE of Lab Record	NA			
5.	Lab Test Q. Paper with solutions	NA			
6.	Award List(Marks) of Lab test	NA	· ·		
7.	Laboratory Manual	NA			
8.	Attendance Statement/Register	NA			
r. Pra	Signature with date	·v	1/21	HOD SANAT	MUNION TE With date
	Name of the Auditor	Signa		I	ate
۱۰۰ (		B.1	2	4/2/	
PY	R. Misha Cobulkerly	2	)	2 <del>6-01-22</del>	4/2/2:

**Director- Academics** 





## Internal Quality Assurance Cell (IQAC) Audit-2, Academic Year: 2021-22

Faculty Name with Designation and Department: Dr. Prasanna Rani R, Asst. Professor, Chemical Engg.

Course Name and Code: Mechanical Unit Operation Lab (20C11C06) Semester: 111

S. No.	Item Description	Available	Remarks	Review by HoD	Remarks
1.	Class Test-I, Question paper with Solutions	NA			
2.	Class Test-1 : Award List (Marks)	NΛ			
3.	Assignment – I, Question Paper with Solutions (Blooms Taxonomy levels: BL4 and BL5)	NA			
4.	Award List(Marks) of Assignment - I	NA			
5.	Slip Test - I, Question Paper with Solutions	NA			
6.	Slip Test – I, Award List (Marks)	NA			
7.	Slip Test – II, Question Paper with Solutions	NA			
8.	Slip Test - II, Award List (Marks)	NA			
9.	Identification of Slow Learners for Remedial Classes (Less than 50% Marks in Class Test -I	NA			
10.	Record of Remedial classes conducted	NA			
11.	SEE Model Question Paper with BT, COs along with marks	NA			
12.	Lecture Notes (Hand written/Soft Copy)	NA			
13.	No. of experiments conducted in the Lab Course	/			
4.	CIE of Lab Record				
5.	Lab Test Q. Paper with solutions				
6.	Award List(Marks) of Lab test				
7.	Laboratory Manual				
8.	Attendance Statement/Register				
r. Pra aculty	sanna Rani R (2 <del>6-1-2</del> 2) Mard 4/2/2 Signature with date			HoD Signatu	
	Name of the Auditor	Signa	iture	26-01-22	ate 
D	. B. Wishna	B.F	2	4/2,	122
1)	r cobulkerly	cy		26-01-22	ハコン
recto	r- Academics			Direc	tor-load

#### CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A) - STUDENTS' FEED BACK FORM

Department: Civi

Class: VII Sem Section: A

A.Y. 2021-22

Dt. 10/11/202

Name of the Teacher	covered	Voice / Communication skills	Standard of content	Regularity & Punctuality	Anything in particular	Feedback Sc
	X1	X2	Х3	X4		(X1 + X2 + 2X3 +
	4	4	3-6	4	Examples are to be given.	3.84
	1 .3	2.9	3:25	4	class should be Interactive	3,3
	2,	4	4	4		4
	3	4	4_	4 3	Unit upto 1st mid	3.8
	4	8.8	4	4	voile is not and iste	3.8
	4	4	4	4		4
	Chiduck	f		,		
	o Chuden	9 —				
	4	4	4	4		4
		24 3 21 3 4 4 4 4 4	X1 X2  4 4  3 2 9  1 4  3 4	X1 X2 X3  4 4 3 6  4 3 2 9 3 25  1 4 4  3 4 4  4 2 8  4 4 4  Ctudulf —	X1 X2 X3 X4  4 4 3.6 4  3 .6 4  4 3 .6 4  4 4 4 4  4 4 4  4 4 4  4 4 4  4 4 4  4 4 4  4 4 4  4 4 4  4 4 4  4 4 4  4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 4 4 4 4  4 5 5 6 6 6  4 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	X1 X2 X3 X4  4 4 3-6 4 Examples are to be given.  3 2.9 3.25 4 class should be Interactive or half emitting the first reft.  4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

Xi = Score obtained on the scale of 4 to 0; 4 for Excellent; 3 for Very Good; 2 for Good; 1 for Satisfactory; 0 for Not Satisfactory

\* one and half with lift

1		-	I	31			B	2			В	3	
Lab Courses  Concrete  Technology	Name of the Teacher	Briefing by faculty	Contributi on of teacher in conductin g experime nt	Standard of content & CIE of record	Regularit y & Punctual ity	Briefing by faculty	Contribut ion of teacher in conducti ng experime nt	Standard of content & CIE of record	Regularit y & Punctuali ty	Briefin g by faculty	Contrib ution of teacher in conduct ing experi	ontrib ion of Standar acher d of ity & in content ality & Punctuality	
		X1	X2	X3	X4	X1	X2	X3	X4	XI	X2	Х3	X4
merete	<u>k.</u>	4	4	4	4								
7.00													
phicalous	<u>`</u>	3.4	3.4	+	4								
		7		,			1	11.1.1	h	andue	Ed		
project	q	-	3.56	4		Present	alsous p	ier se	hedule				
part-1	Sankila)					-							

Other particulars about the Lab:	Lab-1: CT	Lab-2:	Lab-3:
a. Name of the Supporting Staff:	haans	CA	Ditto y.
e. Support from non-teaching staff:	3.7. (Responential be)		

Xi = Score obtained on the scale of 4 to 0; 4 for Excellent; (3 for Very Good; 2 for Good; 1 for Satisfactory; 0 for Not Satisfactory

Other particulars about the Lab:	Lab-1:	T		Lab-2:	CA		Lab-3:		
b. No. of experiments/ Programs	Batch-1	Batch-2	Batch-3	Batch-1	Batch-2	Batch-3	Batch-1	Batch-2	Batch-3
conducted:	100%.			GIS	nart 18	not cover	red.		
c. Kits/ Computers available:	Sufficien	f materia	not available		1				
d. Quality of Kits / Equipment/ Computers :	MOST of CE		ent are old		V				
	not coo	neing, w	egui ments, s	Bievel .	are avail	abe in lin	nited ,	number aucl a	ho broken.
ti de la composition della com		Commo	n facilities					Signature & Nam Committee memb	e of the Feedback
Accounts Office									1
Academic and Examination Cell (AEC)	Hore counte	rs ees	e persons m	oust be	The state of the s	n The cour	1	1 ~ V. C	ote as
Controller of Examinations(CoE) Office	Revalue	O.S.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			Aheald be	Coft.		
Class Rooms (Infrastructure, Cleanliness etc.)	Projecter	141	oorking. (	1204)	be ose exc	mfee sy	<del>(1/4)</del>	2 guin	
Transport facility	Fee 9	shish.	COVID Time	- ')	rent no	1 xelunc	led.		
Library	WI-Fi		L workgra	1,0910	jerri vio	- a Guita		3 Ansara	
Internet / Wi-Fi	_		0						
Sports Facilities									
Medical facilities	_								
Canteen facilities	_								O
Drinking Water facilities				6		4.000			6
Wash Rooms (Girls)	are to	provio	led inthe	Seme	block	3			Itom
Wash Rooms (Boys)					**************************************				Principal
Any other								Date:	1

Lab-1:

11/11/2021, Gaudipet.

To,

The Principal, C.B.I.T., Gaudipet.

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Respected Six,

IT Dept. Currently I am handling To A, SE, SE lab and BDA lab be I sem ITZ, IT3 and VII sem IT1 respectively. I got feedbacks of 3.76 3.8, 3.96, 2.4 in the subjects To A, SE, SE lab and BDA lab respectively. Actually I am the support faculty for BDA lab, So during the lab the facult who handles BDA theory subject taken case of briefing and conducting emperiment, The reason why I got feedback 2.4 in BDA lab be VII sem IT1. From now onwards I will also take case of employing and conduct emperiments during the lab session. Please consider my request.

Thankingul you six,

yours sincerely,