



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)
(Affiliated to Osmania University, UGC Autonomous, Accredited by NAAC with 'A' grade
and NBA (All UG and 5 PG Programs), ISO 9001: 2015 Certified Institution)
Chaitanya Bharathi PO, Kokapet(V), Gandipet(M)
Hyderabad, Rangareddy (Dist.), Telangana State, PIN: 500075
Website: <http://www.cbit.ac.in>

AQAR 2017-18

The Annual Quality Assurance Report (AQAR) of the IQAC

(For Autonomous Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2017 to June 30, 2018)*

Part – A

Data of the Institution

(data may be captured from IIQA)

1. Name of the Institution : Chaitanya Bharathi Institute of Technology

- Name of the Head of the institution : Dr. P. Ravinder Reddy
- Designation: Principal
- Does the institution function from own campus: Yes
- Phone no./Alternate phone no. +9140-24193276, +9140-24193280
- Mobile no. 8466997204, 9391033002
- Registered Email : principal@cbit.ac.in
- Alternate Email : ravinderreddyp_mech@cbit.ac.in
- Address : Chaitanya Bharathi PO, Kokapet(V), Gandipet(M), Rangareddy (Dist.)
- City/Town : Hyderabad
- State/UT : Telangana State
- Pin Code : 500075

2. Institutional status:

- Autonomous Status (*provide the date of Conformant of Autonomous Status*): 22-05-2013
- Type of Institution: Co-education
- Location : Rural
- Financial Status: UGC 2f and 12 (B) / Self Financing
- Name of the IQAC Co-ordinator/Director: Prof. Suresh Pabboju
- Phone no. /Alternate phone no. : +9140-24193276, +9140-24193280
- Mobile: 91-9885313161
- IQAC e-mail address: iqac@cbit.ac.in

- Alternate Email address: psuresh_it@cbit.ac.in

3. Website address: <http://www.cbit.ac.in/>

Web-link of the AQAR: (Previous Academic Year):

<http://www.cbit.ac.in/wp-content/uploads/2019/05/CBIT-AQAR-2017-18.pdf>

4. Whether Academic Calendar prepared during the year?

Yes

if yes, whether it is uploaded in the Institutional website: Yes

Weblink: http://www.cbit.ac.in/current_students/alamanac/

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	B	2.73	2010	from: 04-09-2010 to: 03-09-2015
2nd	A	3.11	2012	from:12-09-2017 to:11-09-2022

6. Date of Establishment of IQAC: 27/04/2011

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Workshop on Bibliometric of the publications	December 15-16, 2017 & 2 days	47
Workshop on Innovative Teaching-Learning Methods	May 3-4, 2018 & 2 days	65

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
-	-	-	-	-

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

Weblink: http://www.cbit.ac.in/about_post/iqac/

10. No. of IQAC meetings held during the year: 1

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website..... Yes

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? : No

If yes, mention the amount: - Year: -

12. Significant contributions made by IQAC during the current year (maximum five bullets)

IQAC carried out the following activities:

- Preparation and submission of information for NIRF 2018 rankings
- Preparation of the AQAR for 2017-18
- Preparations for NAAC visit during July 17-19, 2017
- Conducting an Academic Audit on 19-09-2018
- An External Peer team visit was arranged on 09-02-2019 and a report was submitted.

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
More thrust on Research publications and R&D Activities	<ul style="list-style-type: none"> • Number of Research papers increased, particularly Scopus indexed • NIRF rank increased from the band of 100-150 to 100th rank in 2019 • Number of research project proposal submissions increased to 37
Moodle training for Faculty	<ul style="list-style-type: none"> • Some of the faculty are using Moodle for Slip Tests
Preparations for NAAC visit during July 17-19, 2017	<ul style="list-style-type: none"> • Successfully completed the NAAC Peer Team Visit and achieved A+ grade with the score of 3.11 CGPA

14. Whether the AQAR was placed before statutory body? Yes /No: -

Name of the Statutory body : Date of meeting(s):

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?

Yes/No: Yes

Date: 17-07-2017

16. Whether institutional data submitted to AISHE: Yes

Year: 2017-2018

Date of Submission: 28-02-2018

Year: 2018-2019

Date of Submission: 27-12-2018

17. Does the Institution have Management Information System?

Yes, college has Management Information System.

1. College Intranet: The following information is shared through intranet to all the teaching and non-teaching staff:
 - a. Notices and Circulars.
 - b. Examinations- Display of Internal Marks, external Marks, old question papers, and examination schedules.
 - c. Digital Library- Open access to all faculty and students

- d. Faculty can share data on their Research Activities, through intranet.
2. Campus is Wi-Fi enabled
3. College Website : The following information is displayed on the college website:
 - a. fee payment details
 - b. Notifications, Instructions, circulars, results, Exam schedules for students are displayed on college website
 - c. Departmental related information is displayed under each departmental link
 - d. Information related to Placements, alumni, infrastructure and achievements are displayed
 - e. Bulk SMSs are sent to all faculties and students
 - f. Students can check daily attendance, marks, grades, etc. through online web portal

Part-B

CRITERION I – CURRICULAR ASPECTS			
1.1 Curriculum Design and Development			
1.1.1 Programmes for which syllabus revision was carried out during the Academic year			
Name of programme	Programme Code	Dates of revision	
BE(CE)	732	05-05-2017	
ME(SE)	741	05-05-2017	
BE(CSE)	733	24.03.2018	
M.Tech(CSE)	742		
B.E (ECE)	735		
M.E(CE)	744-001	20-04-2018	
ME(ES&VLSID)	744-401		
B.E (EEE)	734	29-03-2018	
ME(PSPE)	766	29-03-2018	
B.E(IT)	737	21-04-2018	
B.E. (Mechanical)	736	23-04-2018	
B.E. (Production)	738	23-04-2018	
B. Tech (Biotechnology)	805	13-07-2017 29-12-2017 31-03-2018	
B. Tech (Chemical Engineering)	802	10-05-2018	
MCA	862	17-04-2018	
1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year			
Programme with Code	Date of Introduction	Course with Code	Date of Introduction
BE-CE (732)	05-05-2017	Soft Skills & Employability Enhancement Laboratory 16EGC03	21-07-2014
ME-SE (741)	05-05-2017	Soft Skills	05-12-2016
BE-CSE (733)	10-05-2018	Linux Programming and Scripting Languages-16CSE01 Scripting Languages-16CSE03 Probability & Statistics Using R-16CSC13 OOPS(Python) - 18CSC03 18CSC04 AI-16CSC26 IoT-16CSC29	Dec-2017 Dec-2017 Dec-2017 10.05.2018 10.05.2018 10.05.2018 10.05.2018
BE - ECE (735) ME - CE (744-001) ME (ES&VLSID) (744-401)	01-2018 to 21-02-2018	Workshop on “Hands on LabVIEW”	01-2018 to 21-02-2018
BE - ECE (735) ME - CE (744-001)	04-2018 to 28-04-2018	Workshop on “Hands on LabVIEW”	04-2018 to 28-04-2018

ME - ES&VLSID (744-401)			
BE –ECE (735) ME - CE (744-001) ME-ES&VLSID (744-401)	18-06-2018 to 30-06-2018	Workshop on “Hands on LabVIEW”	18-06-2018 to 30-06-2018
BE - ECE (735)	Both the semesters	Soft skills for employability	Both the semesters
BE- EEE (734)	29-03-2018	Statistical & Numerical Methods (SNM)(EEE-V-Sem) 16MT E01 Electrical Machines and Microcontroller Applications Lab(for BE3/4, Mech & Prod, V-SEM) 16EEC22	29-03-2018
BE- EEE (734)	29-03-2018	Switch Mode Power Converters (SMPC) (EEE-VI-Sem) 16EEE07 Electrical Distribution Systems & Automation (EDSA) (EEE-VI-Sem) 16EEE10 Simulation Techniques for Electrical Engineering(STEE) (EEE-VI-Sem) 16EEE12 Industrial Electronics (BE ¾ ECE, VI-Sem) 16EE E13 Basic Electrical Engineering(All Branches) 18EEC01 Basic Electrical Engineering Lab18EEC02	29-03-2018
B.E/B.Tech	June 2018	Chemistry (18CYC01) Chemistry Lab (18CYC02)	June 2018
MCA III YEAR	17-04-2018	Course: Machine Learning Code: 16MC C127 Course: Cryptography & Code: Network Security 16MC C128 Course: Internet of Things Code:16MC E110 Course: Business Intelligence and Analytics Code:16MC E111 Course: Big Data Analytics Code:16MC E113	17-04-2018
1.2 Academic Flexibility			
1.2.1 New programmes/courses introduced during the Academic year			
Programme/Course		Date of introduction	
-		-	
1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.			

Name of Programmes adopting CBCS	UG 2016-17	PG 2016-17	Date of implementation of CBCS / Elective Course System	UG 2016-17	PG 2016-17
Already adopted (mention the year)					
1.3 Curriculum Enrichment					
1.3.1 Value-added courses imparting transferable and life skills offered during the year					
Value added courses	Date of introduction		Number of students enrolled		
-	-		-		
1.3.2 Field Projects / Internships under taken during the year					
Project/Programme Title				No. of students enrolled for Field Projects / Internships	
Summer Internships				24	
Project on Principles and operation of centrifugal compressors, BHEL				01	
Project on study of compressors and turbines, BHEL				05	
Five-day summer internship on automobile and vehicle dynamics, CBIT				01	
Project on heat exchangers manufacturing and fabrication				01	
Internship on power pack at diesel loco shed, Moula ali, Secunderabad				01	
Project on DT and NDT testing, procedure of bogie components, SCR Secunderabad				01	
Design and Implementation of Linearized all Digital PLL on FPGA				09	
Design and development of control Interface module for DIFM					
Development Of Flash loader Software On Soc-Based Navigation Electronics Through Udp Protocol Interface					
Verification of JTAG and SCAN in APU SoC					
Design and verification of SPI using system Verilog					
Implementation of SIP based VUIP System on Embedded platform					
RTL integration for low power SOC Using VDL B/W RTL's					
Data acquisition of Temperature sensor using pic microcontroller				05	
NIAR Industry visit -- Under IEEE student branch in association dept. of ECE and NIAR					
MCA					
Internships – MBA				08	
Project work, Research and Development Section, Shamshabad				03	
Detailed explanation of all activities in the construction which includes both office work and field work, Aparna Constructions and Estates Pvt. Ltd., Aparna Sarovar Zenith, Hyderabad				09	
Finishing school training programme in construction trades, National Academy of Constructions, Hyderabad				04	
Basics of ground water concepts, Ground Water Board, Government of Telangana, Hyderabad				03	
Design processes and procedures in Pre- Engineered steel buildings, Kirby, Hyderabad				05	
Treatment of effluent and structural analysis of trusses, Bharat Heavy Electricals Limited, Hyderabad				02	
Activities of pollution control board, Telangana State Pollution Control Board, Sanathnagar, Hyderabad				01	
Design and drawings of footing and columns, Whiteman Construction Pvt. Ltd, Vishakhapatnam				01	
Study of marine piling technology and procedures, Howe, Vizhinjam Port, Trivandrum				02	

Construction of roads at Rajiv Gandhi international Airport, Shamshabad, KMR Constructions, Hyderabad	01			
Kaleshwaram lift irrigation project, Package 11, Government of Telangana, Irrigation and CAD Department, near Chandalpur Village, Chinnikoduru Mandal, Siddipet	01			
Summer Internships (Microsoft, JPMC, iBHubs, Delloitte, IIITH, IITK, etc.)	63 (Internships)			
Working on Azure Cloud Computing in Verzeo Edutech pvt Ltd.	1			
Internship in Srini Infotech	1			
Internship at Hyderabad, An Application for Inventory Data Management and Android	1			
Internship at Tech Mahindra	1			
Inside View in Professional Services - India	1			
Web Development in Verzeo Edutech pvt Ltd.	1			
Working on Azure Cloud Computing in Verzeo Edutech pvt Ltd.	1			
Internship at Wipro Ltd. Bengaluru under the Finance team	1			
Programing with Python in Internshala Training	1			
Intern in ROBOTICS at Path Creators Company	1			
Intern in Professional Services - India at Inside View Technologies India Pvt. Ltd.	1			
Analysis of probiotics and nutraceuticals	1			
Genetic engineering of Rice for Low Grain Arsenic by both Overexpression of Arsenic methyl transferase gene and suppression of LSi2 transporter	1			
PG Projects(ME-PSPE)	11			
UG Internships	90			
1.4 Feedback System				
1.4.1 Whether structured feedback received from all the stakeholders.				
1) Students	2) Teachers	3) Employers	4) Alumni	5)Parents
Yes	Yes	Yes	Yes	Yes
1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)				
<ul style="list-style-type: none"> • Departments have the practice of collecting feedback from the graduating students on various attributes and wherever possible, the suggestions are implemented. The suggestions are mainly in the areas of curriculum, sports and library facilities. • Feedback is also collected from the graduated students in addition on the reunion day (Alumni) every year, whenever they visit the campus. Suggestions are based on their experience in the industry and are mapped with the curriculum. Wherever gaps are identified, necessary corrective measures are implemented/ incorporated. • Suggestions are in the form of curriculum / infrastructure upgradation to suit the industry needs as it would minimize the time for adaption of new technologies to the graduating students. • Employer feedback plays a key role in the quality of the institutional provisions. At the time of Campus Placements, Employers provide feedback to the placement office. These include upgradation of communication and technical skills of the students, innovative methodologies to be adopted to acquire these skill sets. These suggestions are communicated to the respective Board of Studies of various departments in the institute. • Also alumni and industry representatives are in the Board of Studies of all departments. Their suggestions, data on various attributes collected in the form of feedback are collectively implemented if found suitable. This would help in the process of curriculum enhancement to make it industry ready. 				
CRITERION II -TEACHING-LEARNING AND EVALUATION				
2.1 Student Enrolment and Profile				
2.1. 1 Demand Ratio during the year				
Name of the Programme	Number of seats available	Number of applications received	Students Enrolled	

BE/BTECH	1020		953
MBA	120		120
MCA	60		46
ME/MTECH	176		100

70% of the intake under category-A, admissions are filled by Convener EAMCET, appointed by State Government, for all the colleges in the state based on EAMCET Ranks. Hence, number of applications received are not known to the college.

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018-19	4279	569	51	25	211

2.3 Teaching - Learning Process

2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
287	287	available	78	40	yes

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

A Well-defined mechanism for Students Mentoring System is available in the Institution. As part of this, each department Head Allocates a set of students to each faculty member of the department. For this purpose a faculty coordinator is identified to monitor this mechanism. In the beginning of each academic year, a set of newly admitted students will be allocated to each faculty member, which will be continued till the end of the program. As part of this mechanism, a booklet with the title "Student Progress Report" is printed and the same will be given to each student. The faculty member who acts as a mentor will convene a meeting in each semester and mentor the allocated students, which ensure that each student will be on the right path. The students also get benefitted with the guidance of mentor which helps students in excelling in their academics and in taking the right decision for the future endeavours.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
4848	287	1:17

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year 2017-18

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
293	302	--	--	95

2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017-18	Dr. Y. Rama Devi	Professor	Distinguished woman in engineering award at 3rd annual women's meet-awm 2018 by venus international foundation, march 3, 2018, Chennai, India
2017-18	Ch Indira Priyadarshini	Assistant Professor	Best Teacher award at the institute level
2017-18	Dr. D Krishna Reddy	Professor	Best Teacher award at the institute level
2017-18	Dr. M Balasubba Reddy	Associate Professor	Award for Educational Leadership by Indo Global Education Summit & Expo2017
2017-18	Dr Suresh Pabboju	Professor	Best Teacher Award for his extraordinary contribution in teaching field during the year 2017-18 by Bharath Talents Association

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Program me Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
I Semester				
BE/ B. Tech	732-738, 802 & 805	IV/IV I Sem	23-11-2017	22-12-2017
BE/ B. Tech	732-738, 802 & 805	III/IV I Sem	27-11-2017	22-12-2017
BE/ B. Tech	732-738, 802 & 805	III Sem	24-11-2017	22-12-2017
MCA	862	III/III I Sem	15-11-2017	22-12-2017
BE/ B. Tech	732-738, 802 & 805	I Sem	09-01-2018	25-01-2018
MCA	862	I Sem	03-01-2018	25-01-2018
MCA	862	III Sem	02-01-2018	25-01-2018
MBA	672	I Sem	11-01-2018	25-01-2018
MBA	672	III Sem	12-01-2018	25-01-2018

ME/ M. Tech	741,74 2,744, 745,76 5,766	I Sem	02-02-2018	22-02-2018
II Semester				
BE/ B. Tech	732- 738, 802 & 805	IV/IV II Sem	08-05-2018	18-05-2018
MCA	862	III/III II Sem	-	18-05-2018
BE/ B. Tech	732- 738, 802 & 805	III/III II Sem	24-05-2018	13-06-2018
BE/ B. Tech	732- 738, 802 & 805	IV Sem	22-05-2018	13-06-2018
BE/ B. Tech	732- 738, 802 & 805	II Sem	08-06-2018	09-07-2018
MCA	862	IV Sem	30-05-2018	09-07-2018
MCA	862	II Sem	05-06-2018	09-07-2018
MBA	672	IV Sem	01-06-2018	18-07-2018
MBA	672	II Sem	11-06-2018	18-07-2018
ME/ M. Tech	741,742, 744,745, 765,766	II Sem	03-08-2018	10-09-2018
ME/ M. Tech	741,742, 744, 745,765, 766	IV Sem	-	10-09-2018
2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year <i>*Do not include re-evaluation/ re-totalling</i>				
Number of complaints or grievances about evaluation		Total number of students appeared in the examination		Percentage
8		9289		0.086
2.6 Student Performance and Learning Outcomes				
2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)				
Program outcomes and program specific outcomes of each Program are provided in the respective departments on our Institute website. Course outcomes of each course of all Programs are provided in the Syllabus of respective Program under AEC tab and also in respective departments on our website.				
2.6.2 Pass percentage of students				
Program me Code	Programme name	Number of students appeared in the final year	Number of students passed in final Semester /year examination	Pass Percentage

		examination		
732	BE (Civil)	127	113	88.98
733	BE (CSE)	207	202	97.58
734	BE (EEE)	136	132	97.06
735	BE (ECE)	208	204	98.08
736	BE (Mech)	137	124	90.51
737	BE (IT)	73	67	91.78
738	BE (Prod)	59	51	86.44
802	B.Tech (Chemical)	53	48	90.57
805	B.Tech (Biotech)	41	40	97.56
862	MCA	45	43	95.56
672	MBA	106	101	95.28
741	ME (Civil-SE)	27	15	55.55
741	ME (Civil-EQ)	02	01	50.00
744	ME (ECE-CE)	08	05	62.50
744	ME (ECE-ES & VLSID)	14	12	85.71
765	ME (Mech-CAD/CAM)	12	10	83.33
745	ME (Mech-Thermal)	09	08	88.88
766	ME (EEE-PS&PE)	13	11	84.61
742	M. Tech (CSE)	16	12	75.00
745	M. Tech (IT-CN&IS)	09	09	100.00

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

3.1.1 The institution provides seed money to its teachers for research,

Yes, details:

Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
Mr. P Srinivasa Reddy (Civil Engg. Dept.)	Rs. 81,000/-	2018	One year

3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	-	-	-	-

International	-	-	-	-
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3.2 Resource Mobilization for Research				
3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations				
Nature of the Project	Duration	Name of the funding Agency	Total grant Sanctioned (in Rupees)	Amount received during the year (in Rupees)
Major projects	2016- 18	AICTE	20,00,000/-	--
	2016-19	ISRO under RESPOND Scheme, Bangalore	17,66,000	5,39,000
	3 Years	Space Applications Centre (SAC), ISRO, Ahmedabad	19,37,000/-	4,29,000/-
	2015-18	AICTE-RPS	1411765	NIL
Minor Projects	2 years	UGC	2,13,000	1,63,000
	2016-18	UGC	2,00,000	--
Interdisciplinary Projects	18 months	CBIT	2,90,000	10,000
Industry sponsored Projects	01-05-2016 to 30-09-2018	RCI, DRDO, Hyderabad	9,75,000	Nil
	18Months	RCI, DRDO, Hyderabad under CARS program	15,00,000	4,81,972
Projects sponsored by the University/ College	4 months	CBIT	18,850	18,850
	01 year (05 projects)	CBIT	42,000	42000
Students Research Projects (other than compulsory by the College)	2017-18	CBIT	8000/-	--
	2017-18	CBIT	5500/-	--
International Projects	--	--	--	--
Any other(Specify)	2-Weeks FDP	AICTE	6,05,000	--
Total			1,09,30,115/-	24,60,322/-

3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years:

Total Number of Ongoing Projects: 13

3.3 Innovation Ecosystem

3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia

Innovative practices during the year

Title of Workshop/Seminar	Name of the Dept.	Date(s)
One day National Seminar on "Water world day" , Water on Environment"	CIVIL	22 nd March, 2018
A Two Day Workshop on Moodle, NS2 & Umbrello (for Faculty)	CSE	28-29 th June, 2018
Smart India Hackathon -2018 awareness workshop	under AICTE in association with CBIT	9 th Jan' 18
PCB Design workshop	Under IEEE student branch in association dept. of ECE and Prayog Labs	10 th Mar' 18
Seminar on Amateur Radio	Under IEEE student branch in association dept. of ECE and NIAR	28 th July' 17
Industry Motivation Campaign (In association with MSME- Balanagar, Hyd)	EEE	14-03-2018
Institutional Training Program (In association with PCRA)	EEE	21-03-2018
Counterfeit drugs and How Norwegian Medicines Agency is set up and works. Dr. Najma Kareem, Advisor Norwegian Medicines Agency on Bio-Tech advances in Norway/ Europe in drug development.	Biotechnology	29-03-2018
One Day Industrial visit to PRATHISTA BIOTECH Industries, Yadadri-Bongir Dist, Telangana	Biotechnology	17-02-2018
Students Visited EPTRI for a one day workshop	Biotechnology	18-08-2017
A National Level Two Day Workshop on Interface of Statistical Analysis Using R	Department of Mathematics	09-02-2018 and 10-02-2018

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Best Presenter for Research paper	Dr. K Jagannadha Rao	CONCET 2018	9th August 2018	Conference paper
Hactoberfest	Chaitanya	COSC(CBIT)	Oct-2018	Hackathon
Smart India Hackathon	Richa Kulkarni, Sravya, Tejaswi	Smart India Hackathon	March-2018	Hackathon
Smart India	VemulaSrinivasa Nikhil,	Smart India	Oct-2017	Hackathon

Hackathon	Mallineni SaiSruthi, G SaiKeerthana, Mohammed Aijaaz, Farah Uzma, Alekhya	Hackathon Program		
Hackathon Organized by Collaberry on refactored.ai (Data Science Hackathon)	Vihar, Revanth	JNTUH	Oct-2017	Hackathon
Vibrant Student Branch	G. Mallikharjuna Rao	IEEE Hyderabad Section	4-5 th Nov 2017	Student Section Congress

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
NIL	NIL	NIL
Name of the Start-up	Nature of Start-up	Date of commencement
NIL	NIL	NIL

3.4 Research Publications and Awards

3.4.1 Ph. Ds awarded during the year

Name of the Department	No. of Ph. Ds Awarded
CSE	01
ECE	04
EEE	01
Mechanical	03
Maths & Humanities	01
MCA	05
MBA	06

3.4.2 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National	Civil	5	-
International		4	-
National	CSE	0	-
International		32	-
National	ECE	0	-
International		26	2.9608
National	EEE	0	-
International		20	4.121
National	IT	2	-
International		12	2.5
National	MECH	0	-
International		72	-
National	Biotech	1	-
International		2	-
National	CHEM	0	-

International		6	-
National	M & H	0	-
International		9	-
National	MCA	0	-
International		16	5
National	MBA	0	-
International		20	-

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National / International Conference Proceedings per Teacher during the year

Department	No. of publication
Civil	3
CSE	7
ECE	18
EEE	12
IT	14
Mech	72
BioTech	1
Chemical	6
Maths & Humanities	4
Physics	7
MCA	5

3.4.4 Patents published / awarded during the year

Patent Details	Patent status Published/ Filed	Patent Number	Date of Award
Blood pump impeller as a design patent	Published	305590	14 th May, 2018
Magneto Blood pump	Filed	Application of registration of design (section 5 & 44)	21.05.2018

3.4.5 Bibliometric of the publications during the last Academic year based on average citation index in Scopus / Web of Science or Pub Med / Indian Citation Index :

ANNEXURE - 1

3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

ANNEXURE - 2

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	13	115	1	4
Presented papers	40	24	0	0
Resource Persons	9	14	7	3

3.5 Consultancy

3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)	
ECE	NI LabVIEW Academy	NI LabVIEW	Rs. 1,21,500	
3.5.2 Revenue generated from Corporate Training by the institution during the year				
Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
NIL	NIL	NIL	NIL	NIL
3.6 Extension Activities				
3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year				
Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated in such activities	Number of students participated in such activities	
1.Anti-Drug awareness programme	NSS-CBIT	1	200-250	
2.Road safety awareness programme		1	300-400	
3.Orthopedic camp for CBIT-staff		1	80	
4.Medical camp (General Health)CBIT-staff		1	75	
5.Artillery visit		1	500	
6.Womens day celebrations		2	200	
7.Women staff health camp(Gynaecology)		2	85	
3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year				
Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited	
NIL	NIL	NIL	NIL	
3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year				
Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers co-ordinated such activities	Number of students participated in such activities
Swachh Bharath	NSS-CBIT	Swachh	1	300
Haritha Haram	NSS-CBIT	Haritha Haram	1	900
3.7 Collaborations				
3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year				
Nature of Activity	Participant	Source of financial support	Duration	
Advisory Committee Member for Centre for	Dr. A D Sarma	NA	From 15	

Space Science and Technology Education in Asia and Pacific (Affiliated to the United Nations)			May 2018 onwards
Adjunct faculty at ‘CR RAO Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS)’, Hyderabad, Telangana	Dr. A D Sarma	NA	From 01.10.2018 onwards
Technical Advisor for “Advanced GNSS Research Laboratory” at Osmania University, Hyderabad, Telangana.	Dr. A D Sarma	NA	From 26.03.2018 onwards
Empanelled by the Central Government as one of the Co-Chairpersons of Interview Boards conducted by RAC for Recruitment and Assessment of Scientists in DRDO.	Dr. A D Sarma	NA	From January 2014 onwards
MoU	Dr. A D Sarma	SAC, ISRO, Ahmedabad	2014-2020
MoU	Dr. A D Sarma	Both CBIT, Hyderabad and JNTU, Kakinada	31.03.2017-30.03.2020
One week FDP jointly organized by CBIT and Osmania University	Dr. A D Sarma as Technical Advisor	TEQIP, OU and Registration fee	04-09 June 2018
Research	Ph. D Scholars	Self-Finance	--
Virtual Labs (IIITH)	Students, Faculty	IIITH Through MHRD	1 Year
Incubation, Innovation and Internship	Students	ROUZR Technologies	1 Year
Projects	Students	RCI	1 Year
Advisory Committee Member for Centre for Space Science and Technology Education in Asia and Pacific (Affiliated to the United Nations)	Dr. A D Sarma	Not Applicable	From 15 May 2018 onwards
Technical Advisor for “Advanced GNSS Research Laboratory” at Osmania University, Hyderabad, Telangana.	Dr. A D Sarma	Not Applicable	From 26.03.2018 onwards
One week FDP jointly organized by CBIT and Osmania University	Dr. A D Sarma as Technical Advisor and faculty	TEQIP, OU and Registration fee	04-09 June 2018
MOU with JNTUK for Establishing Marine Navigation research centre	Dr. A D Sarma Dr. D Krishna Reddy Dr. N V Koteswar Rao		March 2017 Onwards
Industry Motivation Campaign	UG Students	MSME	01 Day
Institutional Training Program	UG Students	PCRA	01 Day

3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year				
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
Research Project	A Local Short Model for Forecasting Ionospheric Scintillations for GNSS Applications over Indian Region	ISRO, REPOND Scheme	11.03.2016-10.03.2019	-
Research Project	Multifunction Frequency and Time Domain Signal analyzer for Testing and Performance Evaluation of Cellular and Navigation Components and Systems	MODROBS scheme by AICTE, New Delhi	23.03.2015-31.03.2018	-
Research Project	Performance Evaluation of IRNSS in the Context of Position and Velocity	RCI, DRDO, Hyderabad under CARS program	01.04.2015-31.12.2017	-
M.E Project Work	Design of Data Acquisition System for LM35 Temperature Sensor using PIC microcontroller and NTC thermistor using AVR microcontroller	Research Centre Imarat, DRDO, Hyderabad	01-09-2017 to 08-06-2018	K Santosh Kumar
M.E Project Work	Design and Implementation of Linearized all Digital PLL on FPGA	DRDO-RCI	01-09-2017 to 08-06-2018	R Sai Prasad Goud
M.E Project Work	Design and development of control Interface module for DIFM	BDL, Hyd	01-09-2017 to 08-06-2018	P Srikanth
M.E Project Work	Development Of Flash loader Software On Soc-Based Navigation Electronics Through Udp Protocol Interface	DRDO-RCI	01-09-2017 to 08-06-2018	A Ashritha
M.E Project Work	Verification of JTAG and SCAN in APU SoC	AMD-HYD	01-09-2017 to 08-06-2018	Ch V D Manohar Gupta
M.E Project Work	Design and verification of SPI using system verilog	DRDO-RCI	01-09-2017 to 08-06-2018	K.Revanth
M.E Project Work	Implementation of SIP based VUIP System on Embedded platform	Avaya-Hyd	01-09-2017 to 08-06-2018	V Aparna
M.E Project Work	RTL integration for low power SOC Using VDL B/W RTL's	AMD-HYD	01-09-2017 to 08-06-2018	N Sravan
Project Work	Principles & Operation of centrifugal compressors	BHEL Ramchandrapuram	28/05/18 to 11/06/18	G. Rashmi Saharathi

		Hyd-502032		Himalaya Sai priya
Project Work	Study of Compressors and Turbines	BHEL Ramchandrapuram Hyd-502032	07/06/18 to 21/06/18	Vikas Kumar Peter paul
Project Work	Study of Manufacturing process of steam turbine components	BHEL Ramchandrapuram Hyd-502032	21/06/18 to 05/07/18	Tarun Reddy
Project Work	Heat Exchangers manufacturing and fabrications	BHEL Ramchandrapuram Hyd-502032	21/05/18 to 04/06/18	Vidyashree
workshop	FastTrack assembly and disassembly	BITS Hyderabad	27/10/17 to 28/10/17	Dheeraj
Internship	Power pack	Indian railways Diesel loco shed Maula-ali Hyderabad	11/06/18 to 25/06/18	Dheeraj
Internship	DTT and NDT training procedure of Bogie components	South central Railways Carriage workshop Lallaguda Hyderabad	11/06/18 to 02/07/18	Suvarun Bharttacha ya
Project work	Minor project	UGC SERO	2015-16 to till date (on going)	Dr.G. Vijayalaksh mi

3.7.3 MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
State Government	09-02-2017	Water Related Problems	
JNTU Kakinada	March 2017	Establishing Marine Navigation and Communication research centre, Research and developmental activity	PG Students : 02 PhD Scholars/ Faculty : 05
Advanced Micro Devices, Hyderabad	April 2017	Co-op program for ME(EMBD&VLSI) students and UG projects compactions	PG Students : 03 Faculty : 03
National Instruments	Sept. 2017	Establishing LabView Academy	PG/UG

			Students got trained : 81 UG Students (as part of the curriculum): 210 Faculty : 05
Eesavyasa Technologies Pvt. Ltd. , BalaNagar, Hyderabad	14-03-2018	To enhance the availability of highly qualified manpower in the areas of Embedded systems and software without any prejudice to prevailing rules and regulations in CBIT and ESAVYASA TECHNOLOGIES PVT. LTD.	05
Hexagon Technologies	25/07/2017	Knowledge sharing and Research activities	20
Oriental products Inc. Philippines	24-03-2018	Exchange of faculty, students and research activities. of protocol for bromelain enzyme development	01
Capgemini	15.09.2017	Projects and Internships	994 / 10
ATLAS Education Consultants Pvt Ltd	14.07.2017	1. on campus helpdesk 2. International short term image development program 3. International universities admission guidance / spot admission and scholarship interviews 4. Student development and training programs 5. Scholarships tests and application process	50 / 01
Inpods MoU with CBIT	17.01.2018	1. Inpods will provide on-line courses 2. Inpods will make these courses available on a mobile app (Android and IOS) 3. Inpods will provide options to provision online virtual labs for practice	40 / 01
Gradvine Advisors Pvt. Ltd.	01.02.2018	1. Periodic on campus visits as and when mutually agreed upon 2. University application timelines. 3. Networking, Soft skills and elevator pitch training for future career growth 4. Student development and training programs	35 / 01
CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES			
4.1 Physical Facilities			
4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year			
Budget allocated for infrastructure augmentation		Budget utilized for infrastructure development	
Rs. 969.20 Lakhs		Rs. 637.45 Lakhs	
4.1.2 Details of augmentation in infrastructure facilities during the year			
Facilities		Existing	Newly added

Campus area	30 acres	30 acres
Class rooms	72	--
Laboratories	113	--
Seminar Halls	07	--
Classrooms with LCD facilities	55	--
Classrooms with Wi-Fi/ LAN	72	--
Seminar halls with ICT facilities	07	--
Video Centre	1	--
No. of important equipment purchased (\geq 1-0 lakh) during the current year.	12	--
Value of the equipment purchased during the year (in rupees)	--	31,66,366
Others	--	--

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
NewGenLib	Fully	3.1.4	1997

4.2.1 Library Services:

	Existing 2016-17		Newly added 2017-18		Total end of 2017-18	
	No.	Value	No.	Value	No.	Value
Text Books	1,02,844	1,87,51,950	3,082	12,94,845	1,05,926	2,00,46,796
Reference Books	1,073	4,89,255	293	75,620	1,366	5,64,875
e-Books	725	296800	310	23,56,166	1,035	2652966
Journals	139	1,28,000	139*	1,28,000*	139	1,28,000
e-Journals	5000+	26,90,893	1000+	8,22,375	6000+	35,16,268
Digital Database						
CD & Video	3,931	--	462	--	4,393	--
Library automation	1	2,00,000	AMC	12,500	1	2,12,500

*Same Journals subscribed again

4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Nil	Nil	NA	NA

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others

Existing	1250	29	YES	05	-	04	15	120	-
Added	-	02	YES	-	-	-	-	30	-
Total	1250	31	YES	05	-	04	15	150	-

4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

150 MBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Nil	-

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities 2017-18	Expenditure incurred on maintenance of academic facilities 2017-18	Assigned budget on physical facilities 2017-18	Expenditure incurred on maintenance of physical facilities 2017-18
434.45 lakhs	463.68 lakhs	248.37 lakhs	332.66 lakhs

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	Internal scholarships	362	3,13,13,000
Financial support from other sources			
a) National	--	--	--
b) International	--	--	--
c) Others	Fee reimbursement from Telangana State Govt.	2201	Rs.20,52,49,000/-

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Bridge Course (Lateral Entry)	Entire Academic Year	180	CSE, IT and Mathematics and Humanities Faculty
Student Mentoring System	Entire Academic	All UG	CSE Faculty

	Year	students	
Remedial Classes	Entire Academic Year	200	All Departments
Soft skill development	Entire Academic Year	III Semester and ME Students	English Department
Language lab	Entire Academic Year	UG Students	M&H Dept.
Personal Counselling and Mentoring	Entire Academic Year	UG Students	All Departments
Soft skill development	During Odd Semester	III Semester ME Students	M&H Dept.
International Day of Yoga and Meditation	21/06/2018	100	Physical Education Dept. CBIT
English Lab	Entire Academic Year	All the Students	English Department

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2018	Awareness on Civil services examination	53	-	-	-
2017-18	Placement training	42	42	42	9

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
a) For prevention of sexual Harassment * (Nil)	-Nil-	-Nil-
b) For prevention of ragging cases *(one)	(one) Ref. Office Order No. CBT/692/Admn./2018	Three days

- The Institute has established a Women Protection Cell to look into the cases of gender issues, Women Protection and Sexual Harassment.

* The Institution has established a Disciplinary Committee, an Anti-ragging Committee and also an Anti-Ragging Squad (Involving students), to look into the cases of Anti-Ragging.

5.2 Student Progression

5.2.1 Details of campus placement during the year

On Campus			Off Campus
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
HIL Limited	140	03	---
GE Appliances, Haier, non-GE	80	02	---
UBER	150	03	---
ServiceNow	130	02	---
ICICI MBA	60	04	---
NEULAND	100	2	---
Multiplier solutions	200	18	---
Dr.Reddy Labs	120	03	---
Synactive India Pvt Ltd	60	01	---
Aurobindo Pharma (Chemical)	40	03	---
ORACLE Poole	550	---	01
Medha Servo Drives Pvt. Ltd	115	01	---
iB Hubs internship	150	15	---
Inspirage	100	02	---
Electronics Arts	150	01	---
BEL (Bharat Electronics Ltd.)	34	08	---
Ramky Enviro Engineers Ltd.)	200	09	---
CoreCompete (iphigroup)	212	06	---
Orient cement	150	04	---
Bajaj Allianz MBA	60	06	---
Aarvee Associates	120	02	---
ORACLE Poole	60	---	01
Bosch Limited	60	01	---
Hyundai Motor India Engg.	120	01	---
CPF (India) Pvt Ltd	120	08	---
Dr.Reddy Labs	150	02	---
Byju's	300	12	---
Netcracker Technology	250	07	---
BEL (Bharat Electronics Limited)	150	03	---
Microsoft Codess (Internship)	150	01	---
TCS Internship (pool)	60	---	01
Defteam Solutions Pvt. Ltd	70	01	---
RDC Concrete	120	01	---
JPMC Code for Good	250	18	---
Accolite	150	01	---
Oracle GBU	550	04	---
Deloitte	580	33	---

Next Education Solutions	291	10	---
CoreCompete	706	05	---
Deloitte (MBA)	60	03	---
OYO	200	03	---
Mroads	200	01	---
ServiceNow	130	03	---
CA Technology	200	09	---
CoreCompete	100	01	---
Infosys	858	132	---
Accenture	850	303	---
NCR Corporation	580	17	---
Technipfmc	163	04	---
Wipro	520	39	---
Capgemini	493	28	---
Mindtree Ltd Pool	267	---	09
GE Appliances, a Haier	200	02	---
Intellect Design Arena	300	15	---
Intellect Design Arena (Internship)	120	04	---
DBS Asia Hub 2	250	16	---
EZE Software	100	02	---
Microsoft (Internship)	191	01	---
Franklin Templeton (MBA)	64	15	---
AMD India Pvt Ltd (Internship)	25	02	---
Karvy Stock Broking (MBA)	49	10	---
Microsoft IGD	191	03	---
MRF Ltd (MBA)	33	04	---
ITC Ltd	261	01	---
IVY Comptech	120	02	---
Bank of America	214	19	---
ICICI Securities MBA Pool	72	---	06
HIL	140	01	---
Cognizant	161	05	---
HSBC	405	02	---
Kotak Life Insurance (pool)	40	06	---
Capital First Limited	80	01	---
Godrej Boyce & Mfg Co Ltd	60	02	---
Tata Projects	68	03	---
Orient cement	121	04	---
Franklin Templeton	237	10	---
Hetero Drugs	92	06	---
DXC Technologies (pool)	30	---	02
Dr.Reddy Labs	55	05	---
Ramco Cements MBA	20	03	---
Byju's	200	09	---
IndiaMART InterMESH Ltd.	19	04	---
ITC Ltd MBA	31	01	---

XSEED Education	62	01	---
Darwinbox	152	01	---
DATAWISE	42	02	---
Sai Life Sciences	40	5	---
Hexagon Capability Centre India Pvt. Ltd.	50	04	---

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2017	15	UG	CSE	IISc, Bangalore. Missouri University of Science of Technology, Rolla. University of Houston Main Campus. Rochester Institute of Technology, NY 14623. George Mason University, Virginia Southern Illinois University, Edwardsville. State University of New York, Buffalo. Rutgers University. Kansas State University. University of Cincinnati. Arizona State University. University of Southern California. University of Texas at Dallas. IIM-Banglore.	M.S. M.Tech
2017-18	14	B.E	ECE	SYRACUSE University, OHIO State University, ARIZONA state University UC Davis(US) University of California, Davis(US) A&M Texas (US) Ms Sapienza university Rome IIM Ahmedabad Osmania University JNTUH USA (Cincinnati University)	MS MS MS MS MS MS MS MBA ME M. Tech MS
2018	09	CBIT	EEE	Govt. Engg College, Thrissur California State University Stevens Institute of Tech., New Jersey Florida State University University of Florida IIM Indore IIT Madras	Ph.D. M.S. M.S. M.S. M.S. M.B.A. M. Tech

				NIT Trichy	M. Tech
2017-18	Aparna Kavya	B.tech B.tech	Biotechnol ogy Biotechnol ogy	Kochin University JNTUH	M.Tech (Marine biotechnology) M.Tech (Biotchnology)
2017-2018	Roopansh Gupta	MCA	MCA	Carnegie Mellon University Australia)	MS in Information Technology
2017	1	B. Tech	Chemical Engg.	IIT, Madras	M.Tech Chemical Engg
2017	1			IIT, Hyderabad	M.Tech Chemical Engg
2017	1			EDC, XLRI	PG Program for Certificate in Entrepreneurship Management
2017	6			Osmania University's College of Technology	M.Tech Chemical Engg
2017	1			University of Illinois, Urbana Champaign, USA	M.S Human Resources & Industrial Relations
2017	1			Cleveland State University, Cleveland, USA	M.S Chemical Engg
2017	1			California State University, North Ridge, USA	M.S Materials Engg
2017	1			University of Alberta, Canada	M.S Chemical Engg
2017	1			University of Calgary, Alberta, Canada	M.S Chemical Engg
2017	1			TU Dortmund, Germany	M.S Chemical Engg
2017	1			TU Delft University, Delft, Netherlands	M.S Chemical Engg
2017	1			Wageningen University & Research, Netherlands	M.S Environmental Science with track of Atmospheric Chemistry and Air Quality
5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)					
Items	No. of Students selected/ qualifying			Registration number/roll number for the exam	
NET	--			--	
SET	--			--	
SLET	--			--	

GATE	53	BT18S41418916,EE18S61421098,EE18S61413018,EE18S61419641,EE18S61419436,EE18S61406002,EE18S61107634,EE18S61418804
GMAT	1	--
CAT	8	7013489
GRE	55	160114737010.7022,7033,7034,7035,2034997,2521773
TOFEL	34	--
Civil Services	24	31922961
State Government Services	1	TSNPDCI,SE
Any Other	14	221835

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants
Sports	Osmania University Inter College Tournaments	270

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2017-18	Silver	South Zone Inter University Chess tournament	Chess		160115-737082	T.Vigna Sree
2017-18	Silver	South Zone Inter University Chess tournament	Chess		160117-733125	Anmol Jain
2017-18	Bronze	All India Inter University Chess tournament	Chess		160115-737082	T.Vigna Sree
2017-18	Bronze	All India Inter University Chess tournament	Chess		160117-733125	Anmol Jain
2017-18	Gold	3 rd National level open karate championship	Karate			D.Sudheer Netha
2017-18	Bronze	South India Inter Engineering Tournament	Cricket			Cricket team
2017-18	Winners	National annual sports festival	Badminton			Badminton women team
2017-18	Winners	National annual sports festival	Badminton			Badminton mixed team
2017-18	Bronze	National annual sports festival	Badminton			Badminton men team
2017-18	Runners	National annual sports festival	Cricket			Cricket team
2017-18	Winners	Indian Open inter engineering	Badminton			Badminton women team

2017-18	Bronze	Indian Open inter engineering	Basketball			Basketball men team
2017-18	Gold	Indian Open inter engineering	Athletics			Mahender
2017-18	Winners	National level inter engineering colleges sports meet	Cricket			Cricket team
2017-18	Winners	National level inter engineering colleges sports meet	Throwball			Throwball team

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Institute has established a procedure for selection of students for the Executive Council by their merit. Accordingly, topper of all branches in the final year will become the president of the Students Council, topper of all branches in the third year will become the General Secretary and so on. All class representatives will also be nominated by merit. This meritorious team of students will be allowed to participate in the academic, administrative, co-curricular and extra-curricular matters. Every year, the Institute celebrates National Technical Fest called "SUDHEE", a platform created to exhibit the co-curricular talents. All the student representatives will take active part in organizing this event. Similarly, the Institute also celebrates another National Level event called "SHRUTHI" which again involves students in organizing the event.

Besides these, students are involved in various academic matters such as curriculum planning and development activities in the Institute through their feedbacks, periodical meetings etc.

5.4 Alumni Engagement

5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

Yes. The institute has a registered Alumni Association.

CBIT Alumni association was started in the year 1983 under the banner of CHAITANYA SMRITHI. Some of the activities of the association are:

- Organizing reunion day on December 25th of every year
- Conducting "Carpediem", the biennial Techno-Cultural fest of the institute
- Sponsoring seminars, conferences, workshops, FDPs, etc.
- Delivering guest lectures
- Mentoring the students on their visits to the Institute
- Helping the economically backward students through financial assistance
- Donating books to the department libraries
- Contributing to the respective departments in curriculum design and development as BoS members
- Their constructive feedback contributes to the improvement of infrastructure facilities, meticulous curriculum planning, etc., for the overall academic excellence and extra-curricular activities of the institute

5.4.2 No. of registered Alumni: 4833

5.4.3 Alumni contribution during the year (in Rupees) : Rs. 3,00, 000 /-

5.4.4 Meetings/activities organized by Alumni Association :

- Reunion day on 25th December, 2017
- Osmania Global alumni meet on 23rd December, 2017

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum

500 words)

The institute believes that effectiveness and excellence of governance is possible with decentralization and participative management. The institute is adopting decentralization in many aspects, one of them is teaching learning processes. As part of this, the respective departments are given the freedom and responsibility of designing and developing their own curriculum and in adopting innovative teaching learning processes. The Head of the department conduct meeting with the faculty members before commencement of the semester and discuss the teaching methodologies to be adopted for effective knowledge transferred to the students.

Head address the students and monitors the same at regular intervals through feedbacks and interactions. Class teachers and attendance monitoring teachers are appointed. Corrective or remedial actions will be initiated if any refinements are required from time to time.

Regarding participative management, the institute adopts this in its Curriculum design and development. As part of this, all the faculty members are involved initially at department level and Head takes their views regarding syllabus and other curriculum issues. Then the same will be reflected in BoS meetings of the departments. Also the department invites experts from industry, academia and alumni members in curriculum development. All BoS outcomes of respective departments are finally approved in academic council meetings in which again few selected faculty members and experts from industry and academia are involved.

Thus the decentralization and participative management helps for better governance and holistic development of the institute.

6.1.2 Does the institution have a Management Information System (MIS)?

Yes/No/Partial: **Yes**

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

❖ Curriculum Development

The Curriculum has been designed where the students can understand the industry requirements and have hands-on experience. The students will develop a problem solving approach and will be able to meet the challenges of future. Courses on Constitution of India, Environment Science/Engg. and Essence of India Traditional Knowledge have also been included in the Curriculum. Curriculum on Entrepreneurship is also included to support start-up policy. The institute has compiled a common first year scheme and syllabi for all engineering disciplines. The concerned engineering departments may adjust the scheme and courses as per the requirement and local needs. However, the total credit structure of 160 credits should not be disturbed.

❖ Teaching and Learning

The learning community consists of both students and teachers. Students benefit from effective teaching and learning strategies inside and outside classroom. Helping students learn is our challenge as teachers. Identifying effective teaching strategies, therefore, is our challenge as we both assess the effectiveness of our current teaching style and consider innovative ways to improve our teaching to match our students' learning styles. The mission of the institute is "To impart value based technical education and train students to attain self-confidence, "Swayam Tejaswin Bhava", and serve the society above self, through continuous improvement in effectiveness and efficiency of teaching learning and associated process". The faculty strives to meet the mission of the institute.

❖ Examination and Evaluation

The college will conduct continuous internal evaluation (CIE) and semester end examinations (SEE) to evaluate the academic performance of the students. The chairperson-BOS of concern department will give list

<p>of subject experts from premier institutions in the state and outside the state. The question papers will be brought from outside the college. The chairperson-BoS or his nominee (senior faculty) will do the moderation to ensure the quality of question papers. After the conduct of examination, evaluation will be done with internal and external examiners to have more transparency. The students can apply for physical verification and reevaluation if required after the declaration of the results. The grade sheets will be issued to students after the results declaration.</p>
<p>❖ Research and Development</p> <p>To enhance research activities and cultivate pleasant research atmosphere a multi-crore state of the art building with all modern technical facilities is established. It accommodates all departments to carry out advanced research. All research activities are being streamlined to make a mark in 'Make in India' concept of Indian Government. Independent space is provided to each department to encourage both individual and collaborative research for the execution of both sponsored/consultancy projects. In addition, individual departments are encouraged to setup 'Centres of Excellence'. One such centre 'Navigation and Communication Research Centre' is established and is executing several sponsored/consultancy projects from DRDO/ISRO.</p>
<p>❖ Library, ICT and Physical Infrastructure / Instrumentation</p> <p>Computerisation of the CBIT- Library & Information Centre:</p> <ul style="list-style-type: none"> • CBIT Library & Information centre automated its housekeeping operations by using NewGenLib: integrated Library automation software. • Library created its resources Database and provided Online Public Access Catalogue (OPAC) through which users can be accessed from any of the computer connected in the campus LAN to know available resources and the status of the book. • Institute Library & Information is subscribing online e-books and e-journals databases as per the requirement of the institute and also AICTE. Provided IP based access and these journals can be accessed from any computer connected in the campus LAN. • It has subscribed Federated Search tool i.e. Knimbus to search the articles from multiple databases. • It has an exclusive Server with Content Management Software for e-learning. This facility enables the staff and students to access e-learning resources such as NPTEL Lectures, MIT Lectures etc. • For the effective utilisation of resources, it will conduct / arranged a Information Literacy training programs to the staff and students based on the assessment level of skill of the users. Depending on the need every year 3-4 programs will be arranged for the users. • CBIT Library & Information centre is part of Resources sharing Networks such as NLIST-INFLIBNET and AICTE-INDEST. • Library has an exclusive Library Website: http://library.cbit.ac.in
<p>❖ Human Resource Management</p> <p>The Institute is having centralized HR department which takes care of faculty recruitment, promotions, training and other HR related activities.</p>
<p>❖ Industry Interaction / Collaboration</p> <p>The Institute is having strong industry interactions in terms of MoUs, collaborations for student projects, internships and training. Also institute invites experts from industries for technology transfer for the benefit of faculty and students. The faculty of the institute are involved in research projects and consultancy for solving industrial problems.</p>
<p>❖ Admission of Students</p> <p>A Candidate seeking admission to the four-year degree course in Engineering BE/B. Tech under Convener's quota (70%) of intake in each branch. 30% of seats shall be filled on the basis of rank obtained in JEE mains, EAMCET and IPE or equivalent under B-Category (Management Quota) (15% Merit and 15% NRI/NRI Sponsor). A candidate seeking admission to the three year fulltime MCA/MBA programme under Convener's quota (70%) of intake in each branch. The Management admits the remaining 30% under Management quota.</p>
<p>6.2.2 : Implementation of e-governance in areas of operations:</p>
<p>❖ Planning and Development</p> <p>e-governance process have been implemented in institution planning and development with reference to policy</p>

making, administration and information communication among all stake holders through e-mail, bulk SMS etc.				
❖ Administration: Circulars / information to Departments and staff being sent on SMS / email				
❖ Finance and Accounts: Accounts are computerised and fee collection is made through e-payments / NEFT / RTGS. Students are reminded regarding their tuition fee dues through SMS / email				
❖ Student Admission and Support A Candidate seeking admission to the four-year degree course in Engineering BE/B.Tech under Convener's quota (70%) of intake in each branch.30% of seats shall be filled on the basis of rank obtained in JEE mains, EAMCET and IPE or equivalent under B-Category (Management Quota) (15% Merit and 15% NRI/NRI Sponsor). A candidate seeking admission to the three year fulltime MCA/MBA programme under Convener's quota (70%) of intake in each branch. The Management admits the remaining 30% under Management quota.				
❖ Examination Bees Examination Tool Software: The examination branch has Bees Examination Tool software to integrate all the activities of exam cell. The pre and post examination activities are integrated through this software tool. Payment gateway is also available for the payment of exam fees online by the students to make the registrations online for various services. The BET is enabling the student to download the hall tickets and results online through the student info system.				
6.3 Faculty Empowerment Strategies				
6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year				
Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017-18	T.S.Poorna Chandrika	International conference	Padmavathi Mahila University	2500
2017-18	Ch.Suvarna Ragini	5th Annual International conferenc	ELT@i Tirupati Chapter	1500
2017-18	Dr.G.Suresh Babu	One week Workshop on IoT	Dept.of ECE NIT, Warangal	1500
2017-18	Dr. T.Murali Krishna	One week Workshop on IoT	Dept.of ECE NIT, Warangal	1500
2017-18	Dr.K.Sumana	One week Workshop on IoT	Dept.of ECE NIT, Warangal	1500
2017-18	Ch. Deepak	One week Workshop on IoT	Dept.of ECE NIT, Warangal	750
2017-18	J.Mounika	One week Workshop on IoT	Dept.of ECE NIT, Warangal	750
2017-18	B.Lavanya	47th Orientation Programme	UGC-HRDC-JNTU, Hyderabad	1000
2017-18	P.Anjana Devi	47th Orientation Programme	UGC-HRDC-JNTU, Hyderabad	1000
2017-18	K.Spandana	47th Orientation Programme	UGC-HRDC-JNTU, Hyderabad	1000
2017-18	Ch.Madhavi Sudha	47th Orientation Programme	UGC-HRDC-JNTU, Hyderabad	1000
2017-18	Kavitha Agarwal	47th Orientation Programme	UGC-HRDC-JNTU, Hyderabad	1000
2017-18	T.Sridher	47th Orientation Programme	UGC-HRDC-JNTU, Hyderabad	1000
2017-18	N.Jagan Mohan Reddy	Summer Courses	NIT, Warnagal	3000

2017-18	K.Bhagya Lakshmi	4th International conference on Research Trends in Engineering Applied Science and Management	OU, Hyderabad	2500
2017-18	A.Satyavathi	Two week Short term course	IIT, Bhubaneswar	7975
2017-18	B.Neeraja	Two week Short term course	IIT, Bhubaneswar	9500
2017-18	Ch.Deepak	International conference on IEEE ICCS 2017	Vaigai College of Engineering, Madurai	10000
2017-18	G.Mallikarjuna Rao	One week Faculty Development Workshop on Internet things Programme	Dept.of ECE NIT, Warangal	1500
2017-18	Dr.A.Sandhya Reddy	STP on "Research Methodology"	HRDC, University of Hyderabad, Central University	1000
2017-18	Sri P.Srinivas Reddy	Orientation Programme	Academic Staff College	1000
2017-18	Divya A.Sagar	Faculty Development Programme on Signal Analysis and Transform Techniques	Dept. of ECE NIT, Warangal jointly with Vignan's Lara Institute of Technology, Guntur	2000
2017-18	B.Roopa	Faculty Development Programme on Signal Analysis and Transform Techniques	Dept. of ECE NIT, Warangal jointly with Vignan's Lara Institute of Technology, Guntur	2000
2017-18	D.Nagadevi	Faculty Development Programme on Signal Analysis and Transform Techniques	Dept. of ECE NIT, Warangal jointly with Vignan's Lara Institute of Technology, Guntur	2000
2017-18	J.Balakrishna	One week Faculty Development Workshop on IoT	Dept. of ECE NIT, Warangal	1500
2017-18	Avinash Dasi	FDP On "RF antenna Design"	MGIT, Hyderabad	2000
2017-18	G.N.R.Prasad	Global Insurance Practice and Outlook (GIPO 2017)	Osmania University, Hyderabad	4000
2017-18	D.Ravi	International Conference on Energy, Communication, Data Analytics and soft Computing	SKR Engineering College, Poonamallee	7500
2017-18	Dr.P.Venkata Prasad	High Voltage Testing & Measurement Techniques	Central Power Research Institute, UHV research Laboratory, Medipally, Hyderabad	4590
2017-18	P.Vimala Manohara Ruth	Orientation Programme	MANU, Hyderabad	1200
2017-18	Sri B.Ramana	Research Workshop	IIIT, Hyderabad	1200

	Reddy			
2017-18	Dr.M.Mamatha	A six day workshop on Teaching and Learning of Chemical Spectroscopy Though hands on Experience	Dept.of Chemistry, NIT Warangal	1500
2017-18	Dr.B.Suresh Kumar	A two Day National Workshop	Vignan Institute of Technology, Visakhapatnam	1500
2017-18	T.Prathima	One week National level FDP on Signal and Image Processing with MATLAB	S.R.K.R.College, Bheemavaram	2000
2017-18	Dr.A.Vani	Faculty Development Programme on Outcome based Education	Vasavi College of Engineering, Hyderabad	2000
2017-18	Dr.D.Krishna Reddy	2 days course on Satellite Navigation (IRNS &GAGAN)	NRSC, Hyderabad	1000
2017-18	Sri P.Sathish	2 days course on Satellite Navigation (IRNS &GAGAN)	NRSC,Hyderabad	1000
2017-18	Dr.B.sreenivasa Reddy	20th National Conference on Solid State Nuclear Track Detectors and their applications	Vidya Vikas Institute of Engineering and Technology, Musuru	1500
2017-18	P. Kowstuba	GIAN Course on Solar Energy	NIT, Tiruchinapally	3000
2017-18	Sri G.Shyam Mohan Reddy	National Conference on Physical Education and Sports Science	Alva's College of Physical Education	2000
2017-18	N.L.N.Reddy	HR Conclave	Confederation of Indian Industry	2500
2017-18	T.Malleswari Devi	Orientation Programme	UGC,HRDC University of Hyderabad	1000
2017-18	M.Trupthi	A One week Short Term Course on BIG Data analytics for Humanitarian Causes	Dept. of CSE, University college of Engineering, Ou, Hyderabad	3500
2017-18	Kanchan M.Tarwani	FDP on Data Science and Big Data Analytics	DVR and DR.HS MIC College of Technology, Kanchikacherla	2500
2017-18	Sri K.Gangadhar Rao	AICTE sponsored FDP	SSN College of Engg., Chennai	1000
2017-18	T.Manasa	FDP on Recent Trends in Data Science	Vasavi College of Engineering, Hyderabad	2500
2017-18	Smt.A.Siresha	13 th International Conference on Signal Image Technology & Internet Based Systems	MNIT, Jaipur	10000
2017-18	Sri I.Pranav	Faculty Development	IIT, Hyderabad	500

		Programme supported by MHRD		
2017-18	M.Balasubba Reddy	International Conference on Computational Intelligence	IIT, Kanpur	10000
2017-18	G.Mallikarjuna Rao	Three Day workshop on Recent Advances in Wireless Communication	Vasavi College of Engineering, Hyderabad	2000
2017-18	Smt. K.spandana	Refresher Course	JNTU, Hyderabad	1000
2017-18	Sri G.N.R.Prasad	Innovations and Entrepreneurship a pathway for sustainable Development of India	MVS govt. Degree and PG college.	900
2017-18	V.Sandhya	Two day National level Workshop on Applied Numerical methods, optimization Techniques & Learning	in collaboration with ISTE chapter MVSR Engg. College, Hyderabad	600
2017-18	DR.R.Raviender Reddy	International Conference on Artificial Intelligence & Cognitive Computing	MLR Institute of Technology, Hyderabad	7000
2017-18	Smt.K.Bhagya Lakshmi	Two Day National Seminar Emerging Trends in Indian Banking Sector Innovations and Inclusions	University Post Graduate College, OU,Hyderabad	1000
2017-18	Sri M.Balasubba Reddy	International conference on Electrical electronics,Computers,Communication, Mechanical and Computing	Priyadashini Engineering college, Vellore	6500
2017-18	Sri P.Srinivas Reddy	Refresher Course on Entrepreneurship Development Programme	Academic Staff College, OU, Hyderabad	1000
2017-18	Dr.K.Krishna Veni	Integration of Electronically copied Energy Resources and Appartus in electrical Power System	IIT, Bhubaneshwar	4500
2017-18	G.Mallikarjuna Rao	4th International Conference on Electrical Energy Systems	SSN College of Engg., Chennai	3000
2017-18	Sri A.Chandrakanth	One Day Natiuonal Seminar on Surface Coating Technologies	Dept. Of Mechanical Engg., University college of Engg., OU	1000
2017-18	M.Thirupathiah	IEEE International conference and Presented Paper titled Enhancement of Power Quality in Wind Power Distributions	Research Paper	5500

2017-18	P. Radha Krishna Prasad	International Journal of Mechanical Engineering and Technology		8000
2017-18	B. Suresh Kumar	IEEE Conference (ICPCSI-2017)	Savitha Engineering College, Chennai	8000
2017-18	D.N.R.Prasad	International Conference and Presented Paper on Design of a Hybrid Intelligent System for a Design Support Systems in Agriculture	International Conference	2500
2017-18	Dr. M. Venugopal Chary	Published Paper titled Location Aware Social User Profiling Using Big Data Analytics	SCOPUS Indexed Journal	8000
2017-18	Dr. T.S Poorna Chandrika	4th International conference on HR Analytics for Effective Organisational Performance	ICFAI Foundation, Hyderabad	2500
2017-18	Dr. N. Alivelu Manga	IEEE WIECON -ECE-2017 and Presented paper	WIT Dehradun	6383
2017-18	Uttama Gosh	IEEE WIECON -ECE-2017 and Presented paper	WIT Dehradun	7972
2017-18	Dr. M.Venugopal Chary	International Journal of Intelligent Engineering and Systems		8000
2017-18	B Lavanya	2nd International Conference on Global Opportunities and challenges in Commerce	St. Joseph's Degree & PG College	2000
2017-18	Ch. Suvarna Ragini	62 nd All India English Teachers Conference on Globalization : Emerging Trends in English Language and Literature	Osmania University Centre for International Programs	3000
2017-18	Dr. K. Jagannadha Rao	Published Paper titled A study on Properties of High Strength Recycled Aggregate Concrete with Synthetic fibres	Published in IJLTET (UGC Listed, ISO Certificate with DOI)	2765
2017-18	Ch. Venkata Krishna Reddy	Paper Presentation on Object Classification Using SIFT Algorithm and Transformation Techniques in International Conference		8550
2017-18	E Rama Lakshmi	IEEE Conference on Electrical, Electronics, Computers, communications, Mechanical and Compiling (EECCMC-2018) and	Priyadarshini Engineering College, Tamilnadu	6500

		Presented Paper		
2017-18	Dr. P. V. R. Ravinder Reddy	Paper Published	International Journal of Mechanical and Production Engineering Research and Development	8000
	E. Padmalatha	Presented Paper on Compact Clusters on Topic Based Data Streams	International Conference on Artificial Intelligence and Cognitive Computing	9000
2017-18	Aswari Sultana	National Conference on Innovations in Civil Engineering Through Sustainable Technologies NICEST-2018 and Presented Paper	MGIT-Hyderabad	1500
2017-18	J Hanumantha Rao	International conference on Engineering Technologies in Data Mining and Information Security	University College of engineering & Management, Kolkata	7500
2017-18	S. Solmon Raj	Published Paper Titled Utilization of Bend-Twist Coupling to Improve the Performance of Hybrid Marine Composite Propeller	Published in International Journal of Mechanical Engineering	8000
2017-18	M.Trupthi	Research Paper Published	Published in International Journal of Intelligent Engineering and Systems	8000
2018	M Kalyani	DAE-BRNS Sponsored Eighth Biennial Symposium on Emerging Trends in Separation Science & Technology (SESTEC-2018) hosted by BITS, Pilani, K.K. Birla Goa Campus, May 23-26, 2018	-	10,000

6.3.2 Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2018	FDP for newly appointed teachers by in-house training centre CBIT			06	0
2017	Power Electronics for Renewable Energy Systems - Present Trends and Future Scope (PERES-2017)	-	13 th to 25 th Nov, 2017	39	-0

2017-2018	One week FDP on “Meeting the challenges of Teacher in Modern Engineering Education” organized by ITC(“In house Training center”),CBIT	---	12 - 17 th June 2017	--	--
6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year					
Title of the professional development programme			Number of teachers who attended	Date and Duration (from – to)	
UGC-HRDC, JNTUH (Orientation Program)			03	08-05-2017 to 03-06-2017	
HRDC, JNTUH (Orientation Program)			01	18-07-2017 to 14-08-2017	
Internet of Things (RC) UGC-HRDC, JNTUH			01	09-10-2017 to 30-10-2017	
1-week FDP on “Principles of GNSS, Applications and Research Areas” jointly organized by CBIT and OU			04	04-06-2018 to 09-06-2018	
Orientation Program by UGC-HRDC, JNTUH			01	04-06-2017 to 02-07-2018	
One week STTP on recent trends in condition monitoring of power apparatus and systems at IIT-Madras Chennai			01	09-02-2018 to 14-02-2018	
One day tutorial program on “High Voltage Testing and Measurement Techniques” organized by CPRI, Hyderabad.			01	18-08-2017	
GIAN course on integration of electrically coupled energy resources and apparatus in electrical power systems at IIT BBU.			01	19-02-2018 to 23-02-2018	
Two week AICTE sponsored FDP on “Power Electronics for Renewable Energy Systems- present trends and Future Scope”, PERES-2017, at CBIT(A),HYD			04	13-11-2017 to 25-11-2017	
Two Day FDP on “SCADA Applications in Power Systems”, at			02	18-08-2017 to 19-08-2017	
One week FDP on professional ethics and human values at JNTUH			03	02-07-2017	
AICTE sponsored two week FDP on power converters, control and grid integration of renewable energy sources at SSN Engg college,			01	15-11-2017 to 29-11-2017	
AICTE sponsored QIP on Integrated Circuits, MOSFET, Op-amps and their Applications held at IISc, Bangalore			01	04-12-2017 to 08-12-2017	
Two day introductory faculty development workshop at Teaching & Learning Centre of IIT-HYD.			01	16-12-2017 to 17-12-2017	
Four day workshop on research methodologies at OU			01	11-12-2017 to 14-12-2017	
Two-day workshop on “E-MATLAB”(Workshop on MATLAB using Simulink & Power Systems) at CBIT, Hyderabad			01	15-09-2017 to 16-09-2017	
One-day workshop on MATLAB Expo-2018 at HICC Hyderabad			01	24-04-2018	
One day workshop on “Intellectual Property Rights” for start-ups in Electronics and ICT sector at ESCI campus, Hyderabad			01	08-09- 2017	
Three months online course on “Design of photovoltaic system” from IISc Bangalore (NPTEL)			01	-	
Two day national workshop on integration of renewable energy sources to micro grids at Vizag			01	18-08-2017 to 19-08-2017	

One day seminar on “BRIDGE 2017 - HYDERABAD (The Largest Industry-Institute Interaction Event of India) organized by ICT academy at Hyderabad.	02	25-10-2017
Short term course on “Big Data Analytics for Humanitarian Causes”, under the scheme of GIAN sponsored by MHRD govt. of	01	20-11-2017 to 27-11-2017
One week FDP on “Avenues for Technology & Research in IoT”	01	11-12-2017 to 16-12-2017
2-days Workshop on “Interface of statistical Analysis using ‘R’”		09-02-2018 to 10-02-2018
Faculty Development Program on “Signal and Image Processing with MATLAB”	01	03-07-2017 to 08-07-2017
one week FDP on "Data Analytics with R" from	01	30-04-2018 to 05-05-2018
Short term course on "Engineering Research Methodology (ERM-2017)"	01	11-12-2017 to 14-12-2017
One week FDP on “ Meeting the Challenges of Teacher in Modern Engineering Education”	01	12-06-2017 to 17-06-2017
One week national level FDP on “ Machine Learning through mathematical modelling supported with python & R- Soft”	01	02-07-2018 to 07-07-2018
RC in life sciences , UoH	01	17-11-2017 to 07-12-2017
Faculty development Programme	03	27-11-2017 to 30-11-2017
AICTE - QIP STC on “Modelling and Computational Techniques for Multiphase Systems”, A Continuing Education Prog. of IIT	01	30-04-2018 to 06-05- 2018
AICTE - QIP STC on “Development of Chemical Engineering thermodynamics Laboratory for undergraduates”, IIT Madras	01	22-01-2018 to 27-01-2018
Research Methodology for Social Sciences	01	01-06-2018 to 21-06-2018
One week FDP on “Meeting the challenges of Teacher in Modern Engineering Education” organized by ITC (“In house Training centre”),CBIT	02	12-06-2017 to 17-06-2017
Faculty-Development Programme "GenNext" on Soft skills and Letter writing at Kasturba College	01	17-06-2017
One day FDP on "Project Management Skills" at Cognizant	01	09-06-2017
STC on “Engineering Research Methodology” held during organized by Dept. of Mechanical Engineering, UCE, OU	01	11-12-2017 to 14-12-2017

6.3.4 Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime
18	62	--	14

6.3.5 Welfare schemes for

Teaching	<ul style="list-style-type: none"> All regular teaching staff members are covered under Group Medical Insurance and 50% of the premium is subsidized Employee Provident Fund(EPF) benefits are extended to all eligible staff Exclusive institute transport facility is provided and an amount equal to RTC bus pass from faculty is collected towards transport charges Health centre is available on the campus to attend to any emergencies during working hours. A staff nurse attends to duty every day and doctor visits every alternate day. An ambulance is also available. Personal counselling is available to overcome stress, depression and other personal issues
Non-teaching	<ul style="list-style-type: none"> All regular non-teaching staff are covered under Group Medical Insurance. Premium is subsidized to the extent of 80% Employee Provident Fund(EPF) and Employee State Insurance (ESI) benefits are extended to

	<p>all eligible staff</p> <ul style="list-style-type: none"> • Exclusive institute transport facility is provided. An amount equal to 1/3rd RTC bus pass is collected towards transport charges • Health centre is available on the campus to attend to any emergencies during working hours. A staff nurse attends to duty every day and doctor visits every alternate day. An ambulance is also available. • Personal counselling is available to overcome stress, depression and other personal issues
Students	<ul style="list-style-type: none"> • Health centre is available on the campus to attend to any emergencies during working hours. A staff nurse attends to duty every day and doctor visits every alternate day. An ambulance is also available. • Personal counselling is available to overcome stress, depression and other personal issues

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Internal audit is conducted regularly every month. The Internal auditors verify the receipts and payments and ensure proper accounting of the same in the books of accounts. Bank reconciliation statements are regularly prepared and the same are verified by the Internal Auditors. The Statutory auditors who sign the final accounts verify all the accounts for the year. They ensure that provisions are made for all outstanding expenses and also that fee receivables pending as on date of the closing of the year are fully accounted.

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non-government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
-	-	-

6.4.3 Total corpus fund generated: Total capital fund as on 31.03.2018 is Rs.74.13 crores

6.5 Internal Quality Assurance System

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Senior Professors from the University and other reputed intuitions	Yes	IQAC
Administrative				

6.5.2 Activities and support from the Parent – Teacher Association (at least three)

NIL

6.5.3 Development programmes for support staff (at least three)

1. Learning Management System (LMS),
2. A Two Day Workshop on Moodle, NS2 & Umbrello

6.5.4 Post Accreditation initiative(s) (mention at least three)

6.5.5

- a. Submission of Data for AISHE portal : Yes
- b. Participation in NIRF : Yes
- c. ISO Certification : Yes
- d. NBA or any other quality audit : Yes

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants
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2017	FDP on “meeting the Challenges of Teacher in Modern Engineering Education”	12-06-2017	12-06-2017 to 17-06-2017	60
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES						
7.1 - Institutional Values and Social Responsibilities						
7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)						
Title of the programme		Period (from-to)		Participants		
				Female	Male	
Women’s Day Celebrations		08-03-2018		210	106	
7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources Five percentage of power requirement of the College met by solar energy.						
7.1.3 Differently abled (Divyangjan) friendliness						
Items Facilities			Yes/No	No. of Beneficiaries		
Physical facilities			Yes	01		
Provision for lift			Yes	01		
Ramp/ Rails			Yes	01		
Braille Software/facilities			No	-		
Rest Rooms			Yes	01		
Scribes for examination			No	-		
Special skill development for differently abled students			Yes	01		
Any other similar facility			-	-		
7.1.4 Inclusion and Situatedness						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2017-18	03	03	17 th February 2018	• “Gnanotsav’18” on at CBIT for government school students	• awareness about competitive world	40
				• Providing computers to nearby government schools	• Computer education	20
				• Mentoring and tutoring school children • Open day for school students	• Awareness about higher education	80
7.1.5 Human Values and Professional Ethics						
Code of conduct (handbooks) for various stakeholders						
Title		Date of Publication		Follow up (maximum 100 words each)		
-		-		-		

7.1.6 Activities conducted for promotion of universal Values and Ethics		
Activity	Duration (from-----to-----)	Number of participants
Workshop on “Human Values and Professional Ethics”	20-01-2018 and 21-01-2018	27

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Energy conservation by using LED lamps
- Use of solar energy for lighting and trolleys
- Construction and maintenance of rain water harvesting pits
- Check dam construction
- Plantation drives
- Effective e-waste management

7.2 Best Practices

Describe at least two institutional best practices

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

Two Institutional Best Practices are:

1. Inculcating the spirit of research among faculty for a progressive technological growth
2. Holistic approach for overall development of students by emphasizing co-curricular and extra-curricular activities.

Weblink: http://www.cbit.ac.in/about_post/naac/CBIT-BestPractices

7.3 Institutional Distinctiveness

The institute is very keen and enthusiastic in improving its teaching learning process as it directly helps in overall development of its stake holders, especially in the overall development of all its students. The institute takes care of all aspects of teaching learning process. It takes lot of care in development of its curriculum development where it invites academic and industry experts in its BOS and academic council meetings. The content of the curriculum is being transferred effectively into budding young minds with well qualified, trained and experienced faculty members. The institute is very careful in recruiting right faculty members and imparting quality training for them in the form of FDPs, refresher courses, seminars, workshops, industry visits etc. The institute is liberal in sponsoring its faculty to all value added programs by which faculty are well trained in emerging areas which in turn is being transferred to students. The institute provides all required infrastructural facilities like research facilities by which faculty and students are continuously involved in learning processes. All innovative teaching learning aids and mechanisms are adopted and implemented from time to time. The institute is having around 100 faculty members with Ph.D. qualification and its retention ratio is very high which is attributed to the welfare measures and friendly approach initiated by the management. The institute is having five departments with recognized research centres by which its faculty members are recognized supervisors research scholars in which few of its students are involved students are arranged to take-up innovative projects for which the institute provides all required facilities and financial support. It sponsors its students in attending national and international competitions by which they are exposed to global perspective of technological advancements. Thus the institute strives and takes utmost care in initiating and executing excellent and innovative techniques pertaining to teaching-learning processes for the holistic development of its students.

8. Future Plans of action for next academic year (500 words)

Our Institute Future Plans of action for next academic year are:

- To become Deemed to be University
- To be recognized as Centres of Excellence in Engineering and Technology
- To setup Incubation Centres
- Strengthening of R&D activities in collaboration with reputed Universities and Industries
- More departments to be recognized as Research Centres
- To strengthen the teaching-learning process
- Improving Placements in Core Sector
- Automation of Administrative and Academic Sections
- Construction of Girls Hostel and adequate Staff Quarters
- Strengthening EDC & IIPC

- Construction of state-of-the-art Auditorium

- To initiate collaborative programmes with Foreign Universities
- To improve Industry Institute Interactions
- To encourage faculty to publish technical papers in reputed peer reviewed journals
- To encourage students to take part in National/International conferences and publish their Research work
- To modernize laboratories
- To depute supporting staff for training
- To initiate and strengthen the green initiatives and conduct energy and green audit
- Deployment of closed circuit cameras on the entire campus

Name Dr. Suresh Pabbaju

Name Dr. P. Ravinder Reddy

Suresh
Signature of the Coordinator, IQAC

P. Ravinder Reddy
Signature of the Chairperson, IQAC

Annexure -1

Title of the paper	Name of the author	Title of the journal	Year of publication	CI	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citations
Feature selection to recognize text from palm leaf manuscripts	T.R. Vijaya Lakshmi, P.Narahari Sastry, T.V.Rajinikanth	Signal, Image and Video Processing, Springer	2018		CBIT	01
Detection and Elimination of Wormhole Attacks in a Manet	A Vani	International Journal of Scientific Research in Computer Sciences and Engineering (IJSRCSE)	2017		CBIT	
Literature Review on existing schemes on basic Secure Routing Protocols in Manets.	A Vani	International Journal for Research in Applied science & Engineering Technology (IJRASET)	2017		CBIT	
Attacks and Exploits on the existing Routing Protocols in a MANET	A Vani	International Journal of Advanced Research in Electronics and Communication Engineering (IJAREC)	2017		CBIT	
“An overview of Issues and challenges in MANET”	A Vani	International Journal of Engineering Technology and Computer Research (IJETCR)	2017		CBIT	

Volume 5; Issue 5; September-October: 2017; Page No. 69-73						
“Study of Layering-Based Attacks in a Mobile Ad Hoc Network” Volume: 04 Issue: 09 Sep	A Vani	International Research Journal of Engineering and Technology (IRJET)	2017		CBIT	
“Radio Frequency Identification and Detection (RFID) based e-passport verification scheme using Contactless IC Technology”	N. Jagan Mohan Reddy	International Journal of Research in Electronics and Computer Engineering (IJRECE)	2018		CBIT	
IOT based smart vehicle and smart parking system	T. Aravinda babu and K.S.R.S Jyothsna	International Journal of Electrical Engineering & Technology (IJEET)	2018		CBIT	
Finger vein Authentication using Biometric GraphMethod	A.Krishna Kumar, D. Deepika	International Journal of Research	2017		CBIT	
Nature inspired optimization Algorithms in artificial neural network for speaker recognition	N Dhana Lakshmi	IJEET	2018		CBIT	

Concatenation and Implementation of Reed-Solomon and Convolutional Codes	K. Suman	International journal on recent and innovation trends in computing and communication	2017		CBIT	
Optimization of smart mesh MANET and recovery of link failure using channel assignment and routing	K. Suman	International Journal for Research in Applied Science & Engineering Technology	2017		CBIT	
Delay power performance of 8-bit ALU using carry look ahead adder with high V_T Cell	Bhukya Shankar, E. Chandrsekhar	IJRASET	2018		CBIT	
Comparison of TEC estimation techniques using S1 and L5 signals of IRNSS	Q.J. Mohd, D.S. Achanta, V.K.R. Nalam, T.K. Pant	Radio electronics and Communications Systems	July 2018		CBIT	
A New Technique Based On Grey Model For Forecasting Of Ionospheric GPS Signal Delay Using GAGAN Data	G. Venkateswarlu and A. D. Sarma	Progress in Electromagnetics Research M (PIERM)	2018		CBIT	
Design and	P Sriravali, J	International Conference on Inventive Research in Computing	2018		CBIT	

Implementation Of Low Noise Amplifier For Irnss Receiver	balakrishna, p chandrasekhar, N. Aivelu manga	Applications (ICIRCA 2018)[IEEE conference]				
FPGA based design and Implementation of Micro-ATM	P Sriravali, J. Balakrishna, dr. N. Aivelu manga.	JETIR (ISSN:2349-5162)	2018		CBIT	
Development and Testing of ARNICC429 IP using FPGA for Navigation System	J. Balakrishna K. Suryateja, N. Aivelu manga	International Journal of Research in Electronics AND Computer Engineering (IJRECE),(ISSN:2393-9028)	2018		CBIT	
Design and Synthesis of Combinational Circuits using Reversible Logic Gates	P.swathi,J Balakrishna, N. Aivelu manga	International Journal of Research in Electronics and Computer Engineering (IJRECE),(ISSN:2393-9028)	2018		CBIT	
Development of a Novel Block Matching Algorithm to Improve Motion Estimation Using Summed Area Table	B.Prabhakar, D.Krishnareddy and A.V. Paramkusam	International Journal of Innovative Research & Studies	2018		CBIT	
Performance Analysis of Spline Based Segmentation	David Solomon Raju Y and D. Krishna Reddy	Anveshana's International Journal Research in Engineering and Applied Sciences(AIJREAS)	2018		CBIT	

Algorithm For Natural Image Segmentation						
Video Enhancement Using Contrast Limited Adaptive Histogram Equalization	B. Prabhakar and D. Krishna Reddy	International Journal of Innovative Research Explorer	2017		CBIT	
Parallel ICI Cancellation of MC-CDMA System Under Typical Urban Channel	K. V. Murali Mohan and Dr D Krishna Reddy	Middle-East Journal of Scientific Research, Volume 25, Issue 12	2017		CBIT	
MC-CDMA Performance Analysis with RNS Precoding Under Different Channels	K. V. Murali Mohan and Dr D Krishna Reddy	International Journal of Research	2017		CBIT	
Modeling and Performance Comparison of two different Hybrid Multi Level Topologies	T.MuraliKrishna, C.Bharghav Kumar	Procedia Computer Science, vol. 85, pp. 641-647,	2016.	1	CBIT	1
Review on different control strategies of LLC series resonant converters,	P. Kowstubha, K. Krishnaveni, K. R. Reddy,	Proc. IEEE Int. Conf. Advances in Electrical Engineering (ICAEE), pp. 1-4,	2014.	2	CBIT	2
A novel load flow method for radial	K. Nagaraju, S. Sivanagaraju,	Electr. Power Systems & Components 39(2), 128–141	2011	1	CBIT	1

distribution systems for realistic loads.	T. Ramana, P. V. Prasad					
Performance comparison of DVR by various compensation methods	S. R. Reddy, P. V. Prasad, G. N. Srinivas,	6th IEEE Power India International Conference (PIICON), pp. 1-6	2014	1	CBIT	1
A Novel Method for Optimal Distributed Generator Placement in Radial Distribution Systems	K. Nagaraju, S. Sivanagaraju, T. Ramana, S. Satyanarayana P. V. Prasad	Taylor & Francis Vol 26 Issue1 pp. 7-19	2010	1	CBIT	1
A Novel Approach in the Design of Optimal Tuning Frequency of a Single Tuned Harmonic Filter for an Alternator with Rectifier Loads	G. Suresh Babu, U.K. Choudhury, G. Tulasi Ramdas	Journal of Theoretical & Applied Information Technology, pp. 65-70,	2010	1	CBIT	1
Innovative of Risk Analysis in Requirement Engineering	Mr.Suresh Pabboju, Shankar NayakBhukya	Materials today proceedings	2017	-	CBIT	
Handwritten Digit Recognition Using Multilayer Neural Network	Ms.K.Sugamya, Sneha and Tanishka	International Journal of Computer & Mathematical Sciences	2018	-	CBIT	

A Content Based Image Retrieval using Relevance Feedback	Ms.K.Sugamya, Suresh Pabboju and VinayaBabu	International Journal of Computer & Mathematical Sciences	2017	-	CBIT	
Comparison of Text Classification methods for Twitter Sentiment Analysis	Ms. M. Trupthi, Prof. Suresh Pabboju and Dr. G. Narasimha	International Journal of Computer & Mathematical Sciences	2017	-	CBIT	
Classification of breast cancer into benign and malignant using support vector machines	Ms. M. Trupthi,K.S.N.S. Gopala Krishna, B.L.S. Suraj	International Journal of Advance Research in Science and Engineering	2017	-	CBIT	
Hexagonal Image Processing and Transformations: A Practical Approach using R	Ms. E. Rama Lakshmi	Springer Briefs in Applied Science and Technology	2017	-	CBIT	
Performance Analysis of Image Retrieval Techniques using Multi feature Extraction	Ms. E. Rama Lakshmi	IJCMS (UGC approved)	2017	-	CBIT	
Hexagonal Grid Sampling and Image Representation	Ms. E. Rama Lakshmi	IEEE Xplore Digital Library	2018	-	CBIT	
Internet of Things and Big Data Analytics for	Mr. S.Rakesh	IJCET (International Journal of Computer Engineering Technology)	2018	-	CBIT	

developing Smart Cities: A Review						
Cloud Computing: Governance, Risk Management and Audit of IT Services	Prof. Suresh Pabboju	Journal of Network Communications and Emerging Technologies (JNCET)	2017	-	CBIT	
A Comparative Analogy of CBIR Using Spatial and Spectral Domains	Katta Sugamya, Suresh Pabboju,	Journal of Advanced Research in Dynamical and Control Systems	2018	-	CBIT	
A Dynamic Web based colour Image Encryption using Latin Square Image cipher	Katta Sugamya, Suresh Pabboju	International Journal of Engineering and Technology	2018	-	CBIT	
SNAP and SPLIT: An ANDROID Application for Bill Payment Using TESSERACT OCR	Ms. Katta Sugamya , Suresh Pabboju	International Journal of Engineering and Technology	2018	-	CBIT	
Studies on Nusselt Number for Corrugated Plate Heat Exchanger using Oil	B Sreedhar Rao, G Srivalli, S Premkumar D, B Sharika, G B SaiKumar, K Samanvitha, G Kamaneeeya	International Journal on Recent Technologies in Mechanical and Electrical Engineering	2018	-	CBIT	-
Heat Transfer	B Sreedhar Rao,	International Research Journal of Engineering and Technology	2018	-	CBIT	-

Studies of Corrugated Plate Heat Exchanger using Oil	S Premkumar D, B Sharika, M Raju, B Prasanna, M Shashank, G Srivalli					
Drinking Water And Associated Diseases of Freshwater Reservoirs In The Tourist District of Nanded	Dr. R Sreedhar Rao, Garimella Gyananath	International Journal of Current Research	2018	-	CBIT	-
Batch and column studies for removal of Cu and Zn using industrial solid waste as new adsorbent	P.V. Naga Prapurna and M. Viswanatham	International Advanced Research Journal in Science, Engineering and Technology	2017	-	CBIT	-
Simulation of a Catalytic Membrane Reactor for Oxidative Coupling of Methane –A Comparative Study for Isothermal and Non-isothermal Conditions	M Kalyani, Gopal R Nemmani, V Ramesh Kumar, Suggala V Satyanarayana	International Journal of Engineering Technology Science and Research	2017	-	CBIT	-
Effects of operating Parameters on	K.Prasad Babu, K.S.K Rao Patnaik, R.Shyam Sunder	International Journal of Applied Engineering Research	2018	-	CBIT	-

Recovery of non-floatable Coal by Column flotation						
Role of Viscosity in Hydro-forming Process	R.Uday Kumar, P.Ravinder Reddy , A.V.SitaRamaraju	Materials Today: Proceedings	2017		Chaitanya Bharathi Institute of Technology	Role of Viscosity in Hydro-forming Process
Effect of Welding Parameters on Mechanical Properties of Friction Stir Welded Joints of Aa6082 and Aa6061 Aluminum Alloys	P. Radha Krishna Prasad , P. Ravinder Reddy, K. Eshwar Prasad	International Journal of Mechanical Engineering and Technology (IJMET)	June 2017		Chaitanya Bharathi Institute of Technology	Effect of Welding Parameters on Mechanical Properties of Friction Stir Welded Joints of Aa6082 and Aa6061 Aluminum Alloys
Finite Element Analysis Of A Fractured Mandible Fixed With Micro Plates	L Siva Rama Krishna, B Karthik Anand, Ritesh Rajan, T Hima Bindu, P.Ravinder Reddy	International Journal of Engineering Science and Technology (IJEST)	Jul 2017		Chaitanya Bharathi Institute of Technology	Finite Element Analysis Of A Fractured Mandible Fixed With Micro Plates
On the determination of interlaminar fracture toughness of carbon/epoxy cross-ply composites	P. Ashok Kumar, P. Ravinder Reddy , AVSSKS. Gupta	International Journal of Emerging Trends in Science and Technology	September 2017		Chaitanya Bharathi Institute of Technology	On the determination of interlaminar fracture toughness of carbon/epoxy cross-ply composites
Three Dimensional Modeling and	T. Hima Bindu , L. Siva Ramakrishna , P. Ravinder Reddy	International Journal on Recent Researches In Science, Engineering & Technology	September 2017		Chaitanya Bharathi Institute of	Three Dimensional Modeling and Finite Element Analysis of

Finite Element Analysis of Conventional Type Miniplates Fixed at Mandibular Fractures	, M.Tejdeep , B. Karthik Anand				Technology	Conventional Type Miniplates Fixed at Mandibular Fractures
Effects of Ply Sequence of Adjacent Plies on The Determination of Delamination Fracture Toughness in Carbon/Epoxy Composites	P. Ashok Kumar, P. Ravinder Reddy , AVSSKS. Gupta	International Journal of Fracture and Damage Mechanics	2017		Chaitanya Bharathi Institute of Technology	Effects of Ply Sequence of Adjacent Plies on The Determination of Delamination Fracture Toughness in Carbon/Epoxy Composites
A Study of the Secondary Flow in Aircraft Engine Compressor Disks using Computational Fluid Dynamics	Syed Naveed Ahmed, Dr. P Ravinder Reddy , Dr Sri Ram Venkatesh	International Journal for Innovation Education and Research	2018		Chaitanya Bharathi Institute of Technology	A Study of the Secondary Flow in Aircraft Engine Compressor Disks using Computational Fluid Dynamics
Influence of Tool Coatings on Distortion of 2014A T651 Aluminum Alloy during Machining	S.V.Prasad , Dr.P.Laxminarayana , Dr.P.Ravinder Reddy	International Journal of Innovative Research in Science, Engineering and Technology	October 2017		Chaitanya Bharathi Institute of Technology	Influence of Tool Coatings on Distortion of 2014A T651 Aluminum Alloy during Machining
Numerical Analysis of SIC Reinforced and Unreinforced Friction Stir Welding of	Md. Aleem Pasha, P. Ravinder Reddy	International Journal of Mechanical and Production Engineering	January-2018		Chaitanya Bharathi Institute of Technology	Numerical Analysis of SIC Reinforced and Unreinforced Friction Stir Welding of AA6061

AA6061						
A Study of the Secondary Flow in Aircraft Engine Compressor Disks using Computational Fluid Dynamics	Syed Naveed Ahmed, Dr. P Ravinder Reddy , Dr Sri Ram Venkatesh	International Journal for Innovation Education and Research	January-2018		Chaitanya Bharathi Institute of Technology	A Study of the Secondary Flow in Aircraft Engine Compressor Disks using Computational Fluid Dynamics
Utilization of Bend Twist Coupling to Improve the Performance of Hybrid Marine Composite Propeller	S.Solomon Raj, Dr.P.Ravinder Reddy	International Journal of Mechanical Engineering Technology	March 2018		Chaitanya Bharathi Institute of Technology	Utilization of Bend Twist Coupling to Improve the Performance of Hybrid Marine Composite Propeller
Finite Element Analysis of SiC Reinforced and Unreinforced Friction Stir Welding of Mg Alloy AZ31B	Dr. Md. Aleem Pasha, Dr. P. Ravinder Reddy, Dr.P.Laxminarayana	International Journal of Engineering Technology Science and Research	March 2018		Chaitanya Bharathi Institute of Technology	Finite Element Analysis of SiC Reinforced and Unreinforced Friction Stir Welding of Mg Alloy AZ31B
Characterization of Delamination Behaviour of Carbon/Epoxy laminates Using Double Cantilever Beam(DCB) Specimens	P. Ashok Kumar, P. Ravinder Reddy , AVSSKS. Gupta	International Journal of Mechanical Engineering Technology	April 2018		Chaitanya Bharathi Institute of Technology	Characterization of Delamination Behaviour of Carbon/Epoxy laminates Using Double Cantilever Beam(DCB) Specimens
Study of influence of tool geometry on	Pavan Kumar Thimmaraju, Krishnaiah Arakanti,	International Journal of Mechanical and Production Engineering Research and Development	Dec 2017		Chaitanya Bharathi Institute of	Study of influence of tool geometry on material flow pattern

material flow pattern in friction stir welding process using finite element simulation	G. Chandra Mohan Reddy				Technology	in friction stir welding process using finite element simulation
Evaluation of microstructure and mechanical properties of Titanium alloy OT 4-1	Ananda Mohan Vemula, G. Chandra Mohan Reddy, M. Manzoor Hussain	International Journal of Mechanical and Production Engineering Research and Development	Jun 2017		Chaitanya Bharathi Institute of Technology	Evaluation of microstructure and mechanical properties of Titanium alloy OT 4-1
Analytical study for unsteady MHD radiating heat and mass transport in a Darcian porous regime	B.Santhosh, M V Ramana Murthy, G Chandra Mohan Reddy and P Suresh	International journal of basic and applied research	June 2018		Chaitanya Bharathi Institute of Technology	Analytical study for unsteady MHD radiating heat and mass transport in a Darcian porous regime
Influences of process parameters on weld strength of low carbon alloy steel in purged SAW	M. Sailender, G. Chandra Mohan Reddy, S. Venkatesh	Materials Today: Proceedings	2018		Chaitanya Bharathi Institute of Technology	Influences of process parameters on weld strength of low carbon alloy steel in purged SAW
Experimental investigations on DI diesel engine with high grade insulated combustion chamber with varied injection timing	N.Janardhan, M. Ravi Chandra and M.V.S.Murali Krishna	International Journal of Current Engineering and Technology	2017		Chaitanya Bharathi Institute of Technology	Experimental investigations on DI diesel engine with high grade insulated combustion chamber with varied injection timing

Experimental investigations on pollution levels of low heat rejection diesel engine with varied air gap thickness	D.Srikanth, M.V.S. Murali Krishna, P.Usha Sri and M.Ravi Chandra	International Journal of Innovation in Engineering and Management	2017		Chaitanya Bharathi Institute of Technology	Experimental investigations on pollution levels of low heat rejection diesel engine with varied air gap thickness
Influence of injection pressure on performance parameters of semi adiabatic diesel engine with crude vegetable oil with magnetic induction	D.S.Madhuri, M.Ravi Chandra and M.V.S. Murali Krishna	International Journal of Research in Science, Engineering and Technology	2017		Chaitanya Bharathi Institute of Technology	Influence of injection pressure on performance parameters of semi adiabatic diesel engine with crude vegetable oil with magnetic induction
Experimental investigations on low grade low heat rejection diesel engine with crude cottonseed oil with butanol	R.Chanakya, D.Srikanth, M.Ravi Chandra and M.V.S. Murali Krishna	International Journal of Current Engineering and Technology	2017		Chaitanya Bharathi Institute of Technology	Experimental investigations on low grade low heat rejection diesel engine with crude cottonseed oil with butanol
Experimental investigations on performance parameters with low heat rejection diesel engine with varied air gap thickness	D.Srikanth, M.V.S. Murali Krishna, P.Usha Sri and M.Ravi Chandra	International Journal of Current Engineering and Technology	2017		Chaitanya Bharathi Institute of Technology	Experimental investigations on performance parameters with low heat rejection diesel engine with varied air gap thickness
Experimental investigations on exhaust emissions with low heat rejection diesel	D.S.Madhuri, M.Ravi Chandra and M.V.S. Murali Krishna	International Journal of Thermal Technologies	2017		Chaitanya Bharathi Institute of Technology	Experimental investigations on exhaust emissions with low heat rejection diesel engine

engine with crude vegetable oil with magnetic induction						with crude vegetable oil with magnetic induction
Control of exhaust emissions of low grade low heat rejection diesel engine with cottonseed oil blended with butanol	D.Srikanth, M.Ravi Chandra and M.V.S. Murali Krishna	International Journal for Research in Science, Engineering and Technology	2017		Chaitanya Bharathi Institute of Technology	Control of exhaust emissions of low grade low heat rejection diesel engine with cottonseed oil blended with butanol
Investigation on performance and emission characteristics of EGR coupled semi adiabatic diesel engine fuelled by DEE blended rubber seed biodiesel	K. Vamsi Krishna, G Ravi Kiran Sastry, M.V.S. Murali Krishna, John Deb Barma	International Journal (Scopus Journal)l of Engineering Science & Technology	2018		Chaitanya Bharathi Institute of Technology	Investigation on performance and emission characteristics of EGR coupled semi adiabatic diesel engine fuelled by DEE blended rubber seed biodiesel
Analysis of EGR coupled less heat rejection model of diesel engine with blends of jatropha biodiesel, diesel and diethyl ether: an experimental approach	K.V.Krishna, G.R.K.Sastry and M.V.S.M.Krishna	International Journal of Automotive and Mechanical Engineering	2018		Chaitanya Bharathi Institute of Technology	Analysis of EGR coupled less heat rejection model of diesel engine with blends of jatropha biodiesel, diesel and diethyl ether: an experimental approach
Effect of copper coated piston on thermal and structural stability	Ch.Indira Priyadarsini, M.V.S.Murali Krishna and P.Usha	International Journal of Innovating Research & Studies	2018		Chaitanya Bharathi Institute of	Effect of copper coated piston on thermal and structural stability of four stroke

of four stroke SI engine combustion chamber	Sri				Technology	SI engine combustion chamber
Experimental investigations on performance parameters on DI diesel engine with alternative fuels	R.P.Chowdary and M.V.S. Murali Krishna	International Journal of Emerging Technologies and Innovative Research	2018		Chaitanya Bharathi Institute of Technology	Experimental investigations on performance parameters on DI diesel engine with alternative fuels
Theoretical analysis of off design performance characteristics of single shaft gas turbine for power generation using biomass gasified fuel	Gangaraju Srinivasa Sharma and M.V. S. Murali Krishna	International Journal of Modern Engineering and Research Technology	2018		Chaitanya Bharathi Institute of Technology	Theoretical analysis of off design performance characteristics of single shaft gas turbine for power generation using biomass gasified fuel
Numerical Analysis on Influence of Various Parameters and their Interactions on Drawability of Cylindrical cups	P.V.R.Ravindra Reddy, A.A. Sriramakrishna	International Journal of Mechanical and Production Engineering Research and development	Feb 2018		Chaitanya Bharathi Institute of Technology	Numerical Analysis on Influence of Various Parameters and their Interactions on Drawability of Cylindrical cups
Taguchi Parameter Design for MIG Welding of Al-65032 Alloy in as Weld Condition	Dr. P.Prabhakar Reddy, Dr. P.V.R.Ravindra Reddy, Dr. A.A.Sriramkrishna and Dr.	International Journal of Applied Engineering Research	2018		Chaitanya Bharathi Institute of Technology	Taguchi Parameter Design for MIG Welding of Al-65032 Alloy in as Weld Condition

	N.V.Srinivasulu					
Non Destructive Analysis of FSW Process and comparison with simulation and microstructural Analysis	T.Pavan kumar, P.Prabhakar Reddy	International journal for research in Applied science and Engineering Technology	November 2017		Chaitanya Bharathi Institute of Technology	Non Destructive Analysis of FSW Process and comparison with simulation and microstructural Analysis
Analysis of Material flow in Friction Stir Welding using digital Image Processing	Pavan kumar .T, P. Prabhakar Reddy, T.P.Kumar	International Journal of recent trends in engineering and research	2017		Chaitanya Bharathi Institute of Technology	Analysis of Material flow in Friction Stir Welding using digital Image Processing
Non destructive Analysis of FSW Welds using Ultrasonic Signal Analysis	Pavan kumar.T, P. Prabhakar reddy	Material science and engineering	2017		Chaitanya Bharathi Institute of Technology	Non destructive Analysis of FSW Welds using Ultrasonic Signal Analysis
Parametric Simulation and Optimization of FSW Process	Pavan kumar.T, P. Prabhakar reddy	International journal for Engineering and Manufacturing Science	2017		Chaitanya Bharathi Institute of Technology	Parametric Simulation and Optimization of FSW Process
Nondestructive Analysis of FSW Process and comparison with simulation and microstructural Analysis	Pavan kumar.T, P. Prabhakar reddy	International journal for Material Manufacturing and Design Engineering	2018		Chaitanya Bharathi Institute of Technology	Nondestructive Analysis of FSW Process and comparison with simulation and microstructural Analysis
Design and Implementation of autonomous 2D mapping	Dr. G Laxmaiah, Rishi Teja Madduri	IOSR Journal of Mechanical and Civil Engineering	2017		Chaitanya Bharathi Institute of	Design and Implementation of autonomous 2D mapping robots

robots using the principles of swarm intelligence					Technology	using the principles of swarm intelligence
Hot Deformation behavior studies on 58Ni-39Cr Nickel Super alloy by Thermo mechanical simulation and Finite element Method	Prof. B. Suryanarayana, B.S.R Venu Madhav, Abdul Ahad Mohiuddin, Mohammad Atifuddin Siddhiqui				Chaitanya Bharathi Institute of Technology	Hot Deformation behavior studies on 58Ni-39Cr Nickel Super alloy by Thermo mechanical simulation and Finite element Method
Analysis of Slosh in Tank with Different Filling Percentage	Dr.T.Ratna Reddy	International Journal of Management, IT & Engineering	May 2018		Chaitanya Bharathi Institute of Technology	Analysis of Slosh in Tank with Different Filling Percentage
Effect of Air Flow Rate on Performance of Natural Draft Wet Cooling Tower	T. Ratna Reddy	International journal of management technology and engineering IJMTE	January 2019		Chaitanya Bharathi Institute of Technology	Effect of Air Flow Rate on Performance of Natural Draft Wet Cooling Tower
Comparitive analysis of crude jatropa oil-methanol operation in DI diesel engine	V.V.R.Seshagiri rao	International journal of recent innovation in engineering and research	June 2018		Chaitanya Bharathi Institute of Technology	Comparitive analysis of crude jatropa oil-methanol operation in DI diesel engine
Experimental Investigations on performance evaluations of DI	V.V.R.Seshagiri rao	journal of emerging technologies and innovative research,	April 2018		Chaitanya Bharathi Institute of	Experimental Investigations on performance evaluations of DI

diesel engine with crude jatropha oil with varying injection timings and injection pressures					Technology	diesel engine with crude jatropha oil with varying injection timings and injection pressures
Experimental Investigations on performance, emissions and combustion characteristics of conventional diesel engine with non edible vegetable oil operation at varying injection timings	V.V.R.Seshagiri rao	International Journal of Creative Research Thoughts (IJCRT),	March 2018		Chaitanya Bharathi Institute of Technology	Experimental Investigations on performance, emissions and combustion characteristics of conventional diesel engine with non edible vegetable oil operation at varying injection timings
Effects of preheated crude jatropha oil on performance and emissions of DI diesel engine	V.V.R.Seshagiri rao	International Journal of latest trends in engineering and Technology			Chaitanya Bharathi Institute of Technology	Effects of preheated crude jatropha oil on performance and emissions of DI diesel engine
Effect of stacking sequence on the performance of gas turbine casing using modal analysis	Dr. S. Solomon Raj	International Journal of Mechanical Engineering and Technology (IJMET)	March 2018		Chaitanya Bharathi Institute of Technology	Effect of stacking sequence on the performance of gas turbine casing using modal analysis
Analysis of Base excited stainless steel cylindrical shell subjected to horizontal	P. Kiran Kumar, K. Gurubrahmam, J. V Subrahmanyam	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) Issue 4	June 2018		Chaitanya Bharathi Institute of Technology	Analysis of Base excited stainless steel cylindrical shell subjected to horizontal

acceleration						acceleration
Automated Speed Control Using Throttle Valve	Dr L. Suresh Kumar	Journal of Electronic control systems and Control Instrumentation Engineering			Chaitanya Bharathi Institute of Technology	Automated Speed Control Using Throttle Valve
Velocity Effect On Wind Turbine Blade Using CFD , National Conference on Engineering Science	Ch. Indira Priyadarsini , V.Lakshmi Shilpa, A.Akhil	Technology in Industrial Application and Significance of Free Open Source Softwares, National Conference Proceeding NCESTFOSS	Dec 2017		Chaitanya Bharathi Institute of Technology	Velocity Effect On Wind Turbine Blade Using CFD , National Conference on Engineering Science
Design and Performance Analysis of Vapour Compression Refrigeration System using R12&R134a	Ch.Indira Priyadarsini, Tanveer Ahmead, Banoth Sathish, Venkata Prasad Goka	International Journal of Management, IT & Engineering	June 2018		Chaitanya Bharathi Institute of Technology	Design and Performance Analysis of Vapour Compression Refrigeration System using R12&R134a
Flow Analysis Of Cooling Tower Using CFD, National Conference on Engineering Science, Technology in Industrial Application and Significance of Free Open Source Softwares	Ch.Indira Priyadarsini, A.Akhil, V.Lakshmi Shilpa	National Conference Proceeding (NCESTFOSS)	Dec 2017		Chaitanya Bharathi Institute of Technology	Flow Analysis Of Cooling Tower Using CFD, National Conference on Engineering Science, Technology in Industrial Application and Significance of Free Open Source Softwares

Gas-turbine Bladecooling Using CFD	Ch.Indira priyadarsini, N.Chandrasekhar, M.Rajitha	National Conference on NASCENT Technologies in Mechanical Engineering for Sustainable Research			Chaitanya Bharathi Institute of Technology	Gas-turbine Bladecooling Using CFD
Performance and exhaust emissions analysis of ceramic coated diesel engine with linseed oil based biodiesel	Dr.S.Narasimha kumar	International Journal of Creative Research Thoughts (IJCRT)	March 2018		Chaitanya Bharathi Institute of Technology	Performance and exhaust emissions analysis of ceramic coated diesel engine with linseed oil based biodiesel
Performance Parameters And Combustion Characteristics Of Ethanol-Gasoline Blends in Modified Two Stroke Spark	Dr. S. Narasimha Kumar	Ignition Engine, International Journal of Creative Research Thoughts (IJCRT)	March 2018		Chaitanya Bharathi Institute of Technology	Performance Parameters And Combustion Characteristics Of Ethanol-Gasoline Blends in Modified Two Stroke Spark
Performance and emissions characteristics of two stroke copper coated spark ignition engine with alcohol blended gasoline with catalytic converter	S. Narasimha Kumar,	International Journal of Recent Innovation in Engineering and Research	March – 2018		Chaitanya Bharathi Institute of Technology	Performance and emissions characteristics of two stroke copper coated spark ignition engine with alcohol blended gasoline with catalytic converter
Experimental investigation of the performance and emission characteristics of gasoline and	S. Narasimha Kumar	Journal of Emerging Technologies and Innovative Research (JETIR)	April 2018		Chaitanya Bharathi Institute of Technology	Experimental investigation of the performance and emission characteristics of gasoline and gasohol

gasohol in modified two stroke spark ignition engine						in modified two stroke spark ignition engine
Experimental Measurements on Exhaust emissions on Modified two stroke Spark Ignition engine with Alcohol Blended Gasoline using Catalytic Converter	S. Narasimha Kumar	National Conference on advances in Mechanical Engineering and Nano Technology	29th to 30th June, 2018		Chaitanya Bharathi Institute of Technology	Experimental Measurements on Exhaust emissions on Modified two stroke Spark Ignition engine with Alcohol Blended Gasoline using Catalytic Converter
Introducing Robots without Creating Fear of Unemployment and High Cost in Industries	N. Keerthi Shravani, B.V.S. Rao	International Journal of Engineering Technology Science and Research (IJETSR)	January 2018		Chaitanya Bharathi Institute of Technology	Introducing Robots without Creating Fear of Unemployment and High Cost in Industries
Optimization of machining parameters in turning operation using Taguchi approach	G. Prasanna Kumar, B.V.S. Rao	International Journal of Engineering & Science Research(IJESR)	April 2018		Chaitanya Bharathi Institute of Technology	Optimization of machining parameters in turning operation using Taguchi approach
Design and Vibration Analysis of steam turbine low pressure blade-3 to enhance efficiency	G. Prasanna Kumar, B.V.S. Rao, V. Suwrana Kumar	International Journal of Engineering & Science Research (IJESR)	May 2018		Chaitanya Bharathi Institute of Technology	Design and Vibration Analysis of steam turbine low pressure blade-3 to enhance efficiency

Impact of drawing ratio and shape on thickness distribution along the walls of deep drawn cups	B. V. S. Rao	Manufacturing Technology Today	June 2018		Chaitanya Bharathi Institute of Technology	Impact of drawing ratio and shape on thickness distribution along the walls of deep drawn cups
Influence of Varied Injection Timing on Exhaust Emissions With Crude Jatropa Oil on Direct Diesel Engine with High High Grade Insulated Combustion,	N. Janardhan	Iconic Research and Engineering Journal	December 2017		Chaitanya Bharathi Institute of Technology	Influence of Varied Injection Timing on Exhaust Emissions With Crude Jatropa Oil on Direct Diesel Engine with High High Grade Insulated Combustion,
Experimental Investigations on DI Diesel Engine With High Grade Insulated Combustion Chamber With Varied Injection Pressure	N. Janardhan	Iconic Research and Engineering Journal	December 2017		Chaitanya Bharathi Institute of Technology	Experimental Investigations on DI Diesel Engine With High Grade Insulated Combustion Chamber With Varied Injection Pressure
Studies On Influence Of Injection Pressure On Exhaust Emissions Of Diesel Engine With Medium Grade Insulated Combustion Chamber With	N. Janardhan	International Journal of Engineering Research and General Science	December - 2017		Chaitanya Bharathi Institute of Technology	Studies On Influence Of Injection Pressure On Exhaust Emissions Of Diesel Engine With Medium Grade Insulated Combustion Chamber With Crude Jatropa Oil Operation

Crude Jatropa Oil Operation						
Effect Of Injection Timing On Exhaust Emissions And Combustion Characteristics Of Direct Injection Diesel Engine With Air Gap Insulation	N. Janardhan	International Journal of Engineering Research and General Science	December - 2017		Chaitanya Bharathi Institute of Technology	Effect Of Injection Timing On Exhaust Emissions And Combustion Characteristics Of Direct Injection Diesel Engine With Air Gap Insulation
Reduction of NOx levels in Diesel Engine with Alternative Fuel Using Selective Catalytic Reduction Technique	N. Janardhan	International Journal of Engineering Science & Reseach Technology			Chaitanya Bharathi Institute of Technology	Reduction of NOx levels in Diesel Engine with Alternative Fuel Using Selective Catalytic Reduction Technique
Experimental and Numerical Investigations on Crack Propagation in Titanium Alloys	Jyothirmayi Narne, Varimadugu Sandhya, Nagini Yarramsetty, V. Jaipal Reddy	International Journal of Current Engineering and Technology	June, 2018		Chaitanya Bharathi Institute of Technology	Experimental and Numerical Investigations on Crack Propagation in Titanium Alloys
Vibration Isolation of the Wind Tunnel Drive System	Gopal, Dr. L. Suresh Kumar, V. Jaipal Reddy, M. Umamaheswara Rao, K. Pavan Kumar	Materials today Proceedings 4	2017		Chaitanya Bharathi Institute of Technology	Vibration Isolation of the Wind Tunnel Drive System
Investigation of Mechanical	Venkata Sushma	International Journal of Mechanical and Production Engineering	June, 2018		Chaitanya	Investigation of Mechanical Properties

Properties of Bidirectional Carbon/ Glass Reinforced Epoxy Hybrid Composites	Chinta, Y.Nagini, V.Sandhya, E.Hima Nandini, Shaheen, J.Suteja	Research and Development			Bharathi Institute of Technology	of Bidirectional Carbon/ Glass Reinforced Epoxy Hybrid Composites
Augmentation of heat transfer in forced convection using twisted tape inserts	Venkata Sushma Chinta, kokkula Monika	International Journal of Creative Research Thoughts	March 2018		Chaitanya Bharathi Institute of Technology	Augmentation of heat transfer in forced convection using twisted tape inserts
Influence of LASER CMM Process Parameters on Dimensional Inspection of Standard Spheres	Satyanarayana A, M. Krishna, A. Chandrakanth, Pradyumna R,	ICMPC 2017, Materials Today: Proceedings 5	2018		Chaitanya Bharathi Institute of Technology	Influence of LASER CMM Process Parameters on Dimensional Inspection of Standard Spheres
Investigation on the Performance of Photovoltaic Panel with various Filters	D.Ravi, Samson Yohennes, Habtamu Mitiku Feyissa, B.Koteswara rao	International conference on energy, Communication, Data Analytics and Soft Computing	2017		Chaitanya Bharathi Institute of Technology	Investigation on the Performance of Photovoltaic Panel with various Filters
A hybrid PSO-BFO evolutionary algorithm for optimization of fused deposition modeling process parameters	Maraboina Raju, Munish Kumar Gupta, Neeraj Bhanot, Vishal S.Sharma	Journal of intelligent manufacturing	February 2018		Dr. B. R. Ambedkar NIT Jalandhar	A hybrid PSO-BFO evolutionary algorithm for optimization of fused deposition modeling process parameters

ANNEXURE -2

3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations	Institutional affiliation as
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					excluding self citations	mentioned in the publication
Acid Resistance of Quaternary blended recycled aggregate concrete	Dr. K.Jagannadha Rao	"Case studies in construction materials"	March 2018		2	CBIT
Feature selection to recognize text from palm leaf manuscripts	T.R. Vijaya Lakshmi, P.Narahari Sastry, T.V.Rajinikanth	Signal, Image and Video Processing, Springer	2018	24	01	
A 2.4 GHz low noise amplifier design at 130nm CMOS technology using common gate topology for wifi/wimax application	M.Ramana Reddy, Dr. N.S. Murthy Sharma, Dr. P. Chandra Shekar	International journal of engineering and technology	2018			
SPWM Based Matrix Converter for Industrial Application – MATLAB Simulation	K. Krishnaveni T. Murali Krishna Y. LakshmiPriyanka	International Journal of Mechanical Engineering and Technology (IJMET)	2018	10		
Performance analysis of SPV module using solar PVTR system	G. Suresh Babu B. Prem Charan T. Murali Krishna	International Journal of Engineering & Technology (UAE)	2018	1		
Finding of various faults by	B. Suresh Kumar	International Journal of Pure and Applied Mathematics	2018	21		

using phasor measurement units	S. Praveena K. Divyasree					
Power eminence augmentation with hybrid power filter along with thyristor controlled reactor	B. Suresh kumar S. Praveena	Journal Of Advanced Research In Dynamical And Control Systems	2018	6		
Analysis of partial discharge due to moment of spherical particle in power transformers using computational fluid dynamics	N. Vasantha Gowri	International Journal Of Engineering & Technology	2018	1		
Enhancement of power quality in wind power distribution system by using hybrid PSO-firefly based D-STATCOM	M. Thirupathaiiah P. Venkata Prasad V. Ganesh	International Journal Of Renewable Energy Research-(IJRER)	2018	18		
Innovative of Risk Analysis in Requirement Engineering	Mr.Suresh Pabboju,	Materials today proceedings	2017			CBIT
Handwritten Digit Recognition Using Multilayer Neural Network	Ms.K.Sugamya, Sneha and Tanishka	International Journal of Computer & Mathematical Sciences	2018			CBIT

A Content Based Image Retrieval using Relevance Feedback	Ms.K.Sugamya, Suresh Pabboju	International Journal of Computer & Mathematical Sciences	2017			CBIT
Comparison of Text Classification methods for Twitter Sentiment Analysis	Ms. M. Trupthi, Prof. Suresh Pabboju	International Journal of Computer & Mathematical Sciences	2017			CBIT
Classification of breast cancer into benign and malignant using support vector machines	Ms. M. Trupthi,K.S.N.S. Gopala Krishna, B.L.S. Suraj	International Journal of Advance Research in Science and Engineering	2017			CBIT
Hexagonal Image Processing and Transformations: A Practical Approach using R	Ms. E. Rama Lakshmi	Springer Briefs in Applied Science and Technology	2017			CBIT
Performance Analysis of Image Retrieval Techniques using Multi feature Extraction	Ms. E. Rama Lakshmi	IJCMS (UGC approved)	2017			CBIT
Hexagonal Grid Sampling and Image Representation	Ms. E. Rama Lakshmi	IEEE Xplore Digital Library	2018			CBIT
Internet of Things and Big Data Analytics for	Mr. S.Rakesh	IJCET (International Journal of Computer Engineering Technology)	2018			CBIT

developing Smart Cities: A Review						
Cloud Computing: Governance, Risk Management and Audit of IT Services	Prof. Suresh Pabboju	International Journal of Network Communications and Emerging Technologies (JNCET)	2017			CBIT
A Comparative Analogy of CBIR Using Spatial and Spectral Domains	Katta Sugamya, Suresh Pabboju,	Journal of Advanced Research in Dynamical and Control Systems	2018	6		CBIT
A Dynamic Web based colour Image Encryption using Latin Square Image cipher	Katta Sugamya, Suresh Pabboju	International Journal of Engineering and Technology	2018	1		CBIT
SNAP and SPLIT: An ANDROID Application for Bill Payment Using TESSERACT OCR	Ms. Katta Sugamya , Suresh Pabboju	International Journal of Engineering and Technology	2018	1		CBIT
A Two Way Validation Framework for Cloud Storage Security	Dr.B.Indira	IJET	2018	1	-Nil-	--
Implementation of Hindi word Recognition and	Dr.B.Indira	IJPAM	2018	21	-Nil-	--

Classification using Artificial Neural network					
Role of Viscosity in Hydro-forming Process	R.Uday Kumar, P.Ravinder Reddy , A.V.SitaRamaraju	Materials Today: Proceedings	2017		Chaitanya Bharathi Institute of Technology
Effect of Welding Parameters on Mechanical Properties of Friction Stir Welded Joints of Aa6082 and Aa6061 Aluminum Alloys	P. Radha Krishna Prasad , P. Ravinder Reddy, K. Eshwar Prasad	International Journal of Mechanical Engineering and Technology (IJMET)	June 2017		Chaitanya Bharathi Institute of Technology
Finite Element Analysis Of A Fractured Mandible Fixed With Micro Plates	L Siva Rama Krishna, B Karthik Anand, Ritesh Rajan, T Hima Bindu, P.Ravinder Reddy	International Journal of Engineering Science and Technology (IJEST)	Jul 2017		Chaitanya Bharathi Institute of Technology
On the determination of interlaminar fracture toughness of carbon/epoxy cross-ply composites	P. Ashok Kumar, P. Ravinder Reddy , AVSSKS. Gupta	International Journal of Emerging Trends in Science and Technology	September 2017		Chaitanya Bharathi Institute of Technology
Three Dimensional Modeling and Finite Element Analysis of	T. Hima Bindu , L. Siva Ramakrishna , P. Ravinder Reddy , M.Tejdeep , B.	International Journal on Recent Researches In Science, Engineering & Technology	September 2017		Chaitanya Bharathi Institute of Technology

Conventional Type Miniplates Fixed at Mandibular Fractures	Karthik Anand					
Effects of Ply Sequence of Adjacent Plies on The Determination of Delamination Fracture Toughness in Carbon/Epoxy Composites	P. Ashok Kumar, P. Ravinder Reddy , AVSSKS. Gupta	International Journal of Fracture and Damage Mechanics	2017			Chaitanya Bharathi Institute of Technology
A Study of the Secondary Flow in Aircraft Engine Compressor Disks using Computational Fluid Dynamics	Syed Naveed Ahmed, Dr. P Ravinder Reddy , Dr Sri Ram Venkatesh	International Journal for Innovation Education and Research	2018			Chaitanya Bharathi Institute of Technology
Influence of Tool Coatings on Distortion of 2014A T651 Aluminum Alloy during Machining	S.V.Prasad , Dr.P.Laxminarayana , Dr.P.Ravinder Reddy	International Journal of Innovative Research in Science, Engineering and Technology	October 2017			Chaitanya Bharathi Institute of Technology
Numerical Analysis of SIC Reinforced and Unreinforced Friction Stir Welding of AA6061	Md. Aleem Pasha, P. Ravinder Reddy	International Journal of Mechanical and Production Engineering	January-2018			Chaitanya Bharathi Institute of Technology

A Study of the Secondary Flow in Aircraft Engine Compressor Disks using Computational Fluid Dynamics	Syed Naveed Ahmed, Dr. P Ravinder Reddy , Dr Sri Ram Venkatesh	International Journal for Innovation Education and Research	January-2018			Chaitanya Bharathi Institute of Technology
Utilization of Bend Twist Coupling to Improve the Performance of Hybrid Marine Composite Propeller	S.Solomon Raj, Dr.P.Ravinder Reddy	International Journal of Mechanical Engineering Technology	March 2018			Chaitanya Bharathi Institute of Technology
Finite Element Analysis of SiC Reinforced and Unreinforced Friction Stir Welding of Mg Alloy AZ31B	Dr. Md. Aleem Pasha, Dr. P. Ravinder Reddy, Dr.P.Laxminarayana	International Journal of Engineering Technology Science and Research	March 2018			Chaitanya Bharathi Institute of Technology
Characterization of Delamination Behaviour of Carbon/Epoxy laminates Using Double Cantilever Beam(DCB) Specimens	P. Ashok Kumar, P. Ravinder Reddy , AVSSKS. Gupta	International Journal of Mechanical Engineering Technology	April 2018			Chaitanya Bharathi Institute of Technology
Study of influence of tool geometry on material flow pattern in friction	Pavan Kumar Thimmaraju, Krishnaiah Arakanti, G. Chandra Mohan	International Journal of Mechanical and Production Engineering Research and Development	Dec 2017			Chaitanya Bharathi Institute of Technology

stir welding process using finite element simulation	Reddy					
Evaluation of microstructure and mechanical properties of Titanium alloy OT 4-1	Ananda Mohan Vemula, G. Chandra Mohan Reddy, M. Manzoor Hussain	International Journal of Mechanical and Production Engineering Research and Development	Jun 2017			Chaitanya Bharathi Institute of Technology
Analytical study for unsteady MHD radiating heat and mass transport in a Darcian porous regime	B.Santhosh, M V Ramana Murthy, G Chandra Mohan Reddy and P Suresh	International journal of basic and applied research	June 2018			Chaitanya Bharathi Institute of Technology
Influences of process parameters on weld strength of low carbon alloy steel in purged SAW	M. Sailender, G. Chandra Mohan Reddy, S. Venkatesh	Materials Today: Proceedings	2018			Chaitanya Bharathi Institute of Technology
Experimental investigations on DI diesel engine with high grade insulated combustion chamber with varied injection timing	N.Janardhan, M. Ravi Chandra and M.V.S.Murali Krishna	International Journal of Current Engineering and Technology	2017			Chaitanya Bharathi Institute of Technology
Experimental investigations on	D.Srikanth, M.V.S. Murali Krishna,	International Journal of Innovation in Engineering and Management	2017			Chaitanya Bharathi

pollution levels of low heat rejection diesel engine with varied air gap thickness	P.Usha Sri and M.Ravi Chandra					Institute of Technology
Influence of injection pressure on performance parameters of semi adiabatic diesel engine with crude vegetable oil with magnetic induction	D.S.Madhuri, M.Ravi Chandra and M.V.S. Murali Krishna	International Journal of Research in Science, Engineering and Technology	2017			Chaitanya Bharathi Institute of Technology
Experimental investigations on low grade low heat rejection diesel engine with crude cottonseed oil with butanol	R.Chanakya, D.Srikanth, M.Ravi Chandra and M.V.S. Murali Krishna	International Journal of Current Engineering and Technology	2017			Chaitanya Bharathi Institute of Technology
Experimental investigations on performance parameters with low heat rejection diesel engine with varied air gap thickness	D.Srikanth, M.V.S. Murali Krishna, P.Usha Sri and M.Ravi Chandra	International Journal of Current Engineering and Technology	2017			Chaitanya Bharathi Institute of Technology
Experimental investigations on exhaust emissions with low heat rejection diesel engine with crude vegetable oil with	D.S.Madhuri, M.Ravi Chandra and M.V.S. Murali Krishna	International Journal of Thermal Technologies	2017			Chaitanya Bharathi Institute of Technology

magnetic induction						
Control of exhaust emissions of low grade low heat rejection diesel engine with cottonseed oil blended with butanol	D.Srikanth, M.Ravi Chandra and M.V.S. Murali Krishna	International Journal for Research in Science, Engineering and Technology	2017			Chaitanya Bharathi Institute of Technology
Investigation on performance and emission characteristics of EGR coupled semi adiabatic diesel engine fuelled by DEE blended rubber seed biodiesel	K. Vamsi Krishna, G Ravi Kiran Sastry, M.V.S. Murali Krishna, John Deb Barma	International Journal (Scopus Journal) of Engineering Science & Technology	2018			Chaitanya Bharathi Institute of Technology
Analysis of EGR coupled less heat rejection model of diesel engine with blends of jatropha biodiesel, diesel and diethyl ether: an experimental approach	K.V.Krishna, G.R.K.Sastry and M.V.S.M.Krishna	International Journal of Automotive and Mechanical Engineering	2018			Chaitanya Bharathi Institute of Technology
Effect of copper coated piston on thermal and structural stability of four stroke SI engine	Ch.Indira Priyadarsini, M.V.S.Murali Krishna and P.Usha Sri	International Journal of Innovating Research & Studies	2018			Chaitanya Bharathi Institute of Technology

combustion chamber						
Experimental investigations on performance parameters on DI diesel engine with alternative fuels	R.P.Chowdary and M.V.S. Murali Krishna	International Journal of Emerging Technologies and Innovative Research	2018			Chaitanya Bharathi Institute of Technology
Theoretical analysis of off design performance characteristics of single shaft gas turbine for power generation using biomass gasified fuel	Gangaraju Srinivasa Sharma and M.V. S. Murali Krishna	International Journal of Modern Engineering and Research Technology	2018			Chaitanya Bharathi Institute of Technology
Numerical Analysis on Influence of Various Parameters and their Interactions on Drawability of Cylindrical cups	P.V.R.Ravindra Reddy, A.A. Sriramakrishna	International Journal of Mechanical and Production Engineering Research and development	Feb 2018			Chaitanya Bharathi Institute of Technology
Taguchi Parameter Design for MIG Welding of Al-65032 Alloy in as Weld Condition	Dr. P.Prabhakar Reddy, Dr. P.V.R.Ravindra Reddy, Dr. A.A.Sriramkrishna and Dr. N.V.Srinivasulu	International Journal of Applied Engineering Research	2018			Chaitanya Bharathi Institute of Technology

Non Destructive Analysis of FSW Process and comparison with simulation and microstructural Analysis	T.Pavan kumar, P.Prabhakar Reddy	International journal for research in Applied science and Engineering Technology	November 2017			Chaitanya Bharathi Institute of Technology
Analysis of Material flow in Friction Stir Welding using digital Image Processing	Pavan kumar .T, P. Prabhakar Reddy, T.P.Kumar	International Journal of recent trends in engineering and research	2017			Chaitanya Bharathi Institute of Technology
Non destructive Analysis of FSW Welds using Ultrasonic Signal Analysis	Pavan kumar.T, P. Prabhakar reddy	Material science and engineering	2017			Chaitanya Bharathi Institute of Technology
Parametric Simulation and Optimization of FSW Process	Pavan kumar.T, P. Prabhakar reddy	International journal for Engineering and Manufacturing Science	2017			Chaitanya Bharathi Institute of Technology
Nondestructive Analysis of FSW Process and comparison with simulation and microstructural Analysis	Pavan kumar.T, P. Prabhakar reddy	International journal for Material Manufacturing and Design Engineering	2018			Chaitanya Bharathi Institute of Technology
Design and Implementation of autonomous 2D mapping robots using the principles of	Dr. G Laxmaiah, Rishi Teja Madduri	IOSR Journal of Mechanical and Civil Engineering	2017			Chaitanya Bharathi Institute of Technology

swarm intelligence						
Hot Deformation behavior studies on 58Ni-39Cr Nickel Super alloy by Thermo mechanical simulation and Finite element Method	Prof. B. Suryanarayana, B.S.R Venu Madhav, Abdul Ahad Mohiuddin, Mohammad Atifuddin Siddhiqui					Chaitanya Bharathi Institute of Technology
Analysis of Slosh in Tank with Different Filling Percentage	Dr.T.Ratna Reddy	International Journal of Management, IT & Engineering	May 2018			Chaitanya Bharathi Institute of Technology
Effect of Air Flow Rate on Performance of Natural Draft Wet Cooling Tower	T. Ratna Reddy	International journal of management technology and engineering IJMTE	January 2019			Chaitanya Bharathi Institute of Technology
Comparitive analysis of crude jatropa oil-methanol operation in DI diesel engine	V.V.R.Seshagiri rao	International journal of recent innovation in engineering and research	june 2018			Chaitanya Bharathi Institute of Technology
Experimetal Investigations on performance evaluations of DI diesel engine with crude jatropa oil with varying	V.V.R.Seshagiri rao	journal of emerging technologies and innovative research,	april 2018			Chaitanya Bharathi Institute of Technology

injection timings and injection pressures						
Experimental Investigations on performance, emissions and combustion characteristics of conventional diesel engine with non edible vegetable oil operation at varying injection timings	V.V.R.Seshagiri rao	International Journal of Creative Research Thoughts (IJCRT),	March 2018			Chaitanya Bharathi Institute of Technology
Effects of preheated crude jatropha oil on performance and emissions of DI diesel engine	V.V.R.Seshagiri rao	International Journal of latest trends in engineering and Technology				Chaitanya Bharathi Institute of Technology
Effect of stacking sequence on the performance of gas turbine casing using modal analysis	Dr. S. Solomon Raj	International Journal of Mechanical Engineering and Technology (IJMET)	March 2018			Chaitanya Bharathi Institute of Technology
Analysis of Base excited stainless steel cylindrical shell subjected to horizontal acceleration	P. Kiran Kumar, K. Gurubrahmam, J. V Subrahmanyam	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) Issue 4	June 2018			Chaitanya Bharathi Institute of Technology

Automated Speed Control Using Throttle Valve	Dr L. Suresh Kumar	Journal of Electronic control systems and Control Instrumentation Engineering				Chaitanya Bharathi Institute of Technology
Velocity Effect On Wind Turbine Blade Using CFD, National Conference on Engineering Science	Ch. Indira Priyadarsini, V.Lakshmi Shilpa, A.Akhil	Technology in Industrial Application and Significance of Free Open Source Softwares, National Conference Proceeding NCESTFOSS	Dec 2017			Chaitanya Bharathi Institute of Technology
Design and Performance Analysis of Vapour Compression Refrigeration System using R12&R134a	Ch.Indira Priyadarsini, Tanveer Ahmead, Banoth Sathish, Venkata Prasad Goka	International Journal of Management, IT & Engineering	June 2018			Chaitanya Bharathi Institute of Technology
Flow Analysis Of Cooling Tower Using CFD, National Conference on Engineering Science, Technology in Industrial Application and Significance of Free Open Source Softwares	Ch.Indira Priyadarsini, A.Akhil, V.Lakshmi Shilpa	National Conference Proceeding (NCESTFOSS)	Dec 2017			Chaitanya Bharathi Institute of Technology
Gas-turbine Bladecooling	Ch.Indira priyadarsini,	National Conference on NASCENT Technologies in Mechanical Engineering for Sustainable Research				Chaitanya Bharathi

Using CFD	N.Chandrasekhar, M.Rajitha					Institute of Technology
Performance and exhaust emissions analysis of ceramic coated diesel engine with linseed oil based biodiesel	Dr.S.Narasimha kumar	International Journal of Creative Research Thoughts (IJCRT)	March 2018			Chaitanya Bharathi Institute of Technology
Performance Parameters And Combustion Characteristics Of Ethanol-Gasoline Blends in Modified Two Stroke Spark	Dr. S. Narasimha Kumar	Ignition Engine, International Journal of Creative Research Thoughts (IJCRT)	March 2018			Chaitanya Bharathi Institute of Technology
Performance and emissions characteristics of two stroke copper coated spark ignition engine with alcohol blended gasoline with catalytic converter	S. Narasimha Kumar,	International Journal of Recent Innovation in Engineering and Research	March – 2018			Chaitanya Bharathi Institute of Technology
Experimental investigation of the performance and emission characteristics of gasoline and gasohol in modified two	S. Narasimha Kumar	Journal of Emerging Technologies and Innovative Research (JETIR)	April 2018			Chaitanya Bharathi Institute of Technology

stroke spark ignition engine						
Experimental Measurements on Exhaust emissions on Modified two stroke Spark Ignition engine with Alcohol Blended Gasoline using Catalytic Converter	S. Narasimha Kumar	National Conference on advances in Mechanical Engineering and Nano Technology	29th to 30th June, 2018			Chaitanya Bharathi Institute of Technology
Introducing Robots without Creating Fear of Unemployment and High Cost in Industries	N. Keerthi Shravani, B.V.S. Rao	International Journal of Engineering Technology Science and Research (IJETSR)	January 2018			Chaitanya Bharathi Institute of Technology
Optimization of machining parameters in turning operation using Taguchi approach	G. Prasanna Kumar, B.V.S. Rao	International Journal of Engineering & Science Research(IJESR)	April 2018			Chaitanya Bharathi Institute of Technology
Design and Vibration Analysis of steam turbine low pressure blade-3 to enhance efficiency	G. Prasanna Kumar, B.V.S. Rao, V. Suwrana Kumar	International Journal of Engineering & Science Research (IJESR)	May 2018			Chaitanya Bharathi Institute of Technology
Impact of drawing ratio and shape on	B. V. S. Rao	Manufacturing Technology Today	June 2018			Chaitanya Bharathi Institute of

thickness distribution along the walls of deep drawn cups						Technology
Influence of Varied Injection Timing on Exhaust Emissions With Crude Jatropa Oil on Direct Diesel Engine with High Grade Insulated Combustion,	N. Janardhan	Iconic Research and Engineering Journal	December 2017			Chaitanya Bharathi Institute of Technology
Experimental Investigations on DI Diesel Engine With High Grade Insulated Combustion Chamber With Varied Injection Pressure	N. Janardhan	Iconic Research and Engineering Journal	December 2017			Chaitanya Bharathi Institute of Technology
Studies On Influence Of Injection Pressure On Exhaust Emissions Of Diesel Engine With Medium Grade Insulated Combustion Chamber With Crude Jatropa Oil Operation	N. Janardhan	International Journal of Engineering Research and General Science	December - 2017			Chaitanya Bharathi Institute of Technology

Effect Of Injection Timing On Exhaust Emissions And Combustion Characteristics Of Direct Injection Diesel Engine With Air Gap Insulation	N. Janardhan	International Journal of Engineering Research and General Science	December - 2017			Chaitanya Bharathi Institute of Technology
Reduction of NOx levels in Diesel Engine with Alternative Fuel Using Selective Catalytic Reduction Technique	N. Janardhan	International Journal of Engineering Science & Reseach Technology				Chaitanya Bharathi Institute of Technology
Experimental and Numerical Investigations on Crack Propagation in Titanium Alloys	Jyothirmayi Narne, Varimadugu Sandhya, Nagini Yarramsetty, V. Jaipal Reddy	International Journal of Current Engineering and Technology	June, 2018			Chaitanya Bharathi Institute of Technology
Vibration Isolation of the Wind Tunnel Drive System	Gopal, Dr. L. Suresh Kumar, V. Jaipal Reddy, M. Umamaheswara Rao, K. Pavan Kumar	Materials today Proceedings 4	2017			Chaitanya Bharathi Institute of Technology
Investigation of Mechanical Properties of Bidirectional Carbon/ Glass Reinforced	Venkata Sushma Chinta, Y. Nagini, V. Sandhya, E. Hima Nandini, Shaheen,	International Journal of Mechanical and Production Engineering Research and Development	June, 2018			Chaitanya Bharathi Institute of Technology

Epoxy Hybrid Composites	J.Suteja					
Augmentation of heat transfer in forced convection using twisted tape inserts	Venkata Sushma Chinta, kokkula Monika	International Journal of Creative Research Thoughts	March 2018			Chaitanya Bharathi Institute of Technology
Influence of LASER CMM Process Parameters on Dimensional Inspection of Standard Spheres	Satyanarayana A, M. Krishna, A. Chandrakanth, Pradyumna R,	ICMPC 2017, Materials Today: Proceedings 5	2018			Chaitanya Bharathi Institute of Technology
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