



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

(Autonomous)

Kokapet (Village), Gandipet, Hyderabad, Telangana – 500075

www.cbit.ac.in

Criteria I:	<b>CURRICULAR ASPECTS</b>
Key Indicator – 1.3	<b>Curriculum Enrichment</b>
Metric 1.3.3	<b>Average Percentage of students enrolled in the courses under 1.3.2</b>
<b>LIST OF ENROLLED STUDENTS IN VALUE ADDED COURSES</b>	

**Total number of students in this list: 2873**

2019-20						
Name of the value added courses (with 30 or more contact hours) offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course in Hours	Number of students enrolled in the year	Number of Students completing the course in the year
Communicative English	CBIT/19EGV01	2019-20	1	40	239	239
Professional Etiquette Lab	CBIT/20EGV03	2019-20	1	40	239	239
Technical Presentation	CBIT/19EGV04	2019-20	1	40	196	196
Python Data Structures	NA	2019-20	1	40	3	3
Indian Heritage and Culture	CBIT/19EEV05	2019-20	1	40	129	129
Fundamentals of Management	CBIT/19MEV07	2019-20	1	40	129	129
Industrial Exposure	CBIT/19EEV03	2019-20	1	40	129	129
Machine Learning Using Python	NA	2019-20	1	40	60	60
Industrial Administration and Financial Management	NA	2019-20	1	40	61	61
Basics of Engg Simulation	CBIT/19EEV001	2019-20	1	40	104	49
Basics of Electrical vehicles	CBIT/19EEV002	2019-20	1	40	104	104
Introductory Course in Data Science & Machine learning	CBIT/19EEV003	2019-20	1	40	11	11
Fundamentals of PV System Design	CBIT/19EEV004	2019-20	1	40	19	19

AWS for Electrical Engineering	CBIT/19EEV005	2019-20	1	40	1	1
Foundamentals of Substation design	CBIT/19EEV006	2019-20	1	40	14	14
Introduction to Machine learning	CBIT/19EEV007	2019-20	1	40	1	1
Introduction to Engineering Mechanics	NA	2019-20	1	40	1	1
Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading	NA	2019-20	1	40	1	1
How Things Work: An Introduction to Physics	NA	2019-20	1	40	1	1
Speak English Professionally: In Person, Online & On the phone	NA	2019-20	1	40	1	1
A Hands-on Introduction to Engineering Simulations	NA	2019-20	1	40	1	1
Learn to Design your own Solar Home System	NA	2019-20	1	40	1	1
Autocad-Internshala	NA	2019-20	1	40	1	1
Trade Marks, Patents and Copy Rights	CBIT/19MEV08	2019	2	40	29	29
Kony HACKATHON	NA	2019	1	40	170	170
Research Methodologies	NA	2019	2	40	18	18
Recent Advances in Chemical Process Simulation using ASPEN PLUS		2019-20	1	40	35	35
Ancient Indian Knowledge	CBIT/19EEV01	2019-20	1	40	129	129
Environmental Impact and Monitoring	CBIT/19CEV01	2019-20	1	40	51	51
Disaster Mitigation and Management	CBIT/19CEV02	2019-20	1	40	135	135
Indian Heritage and Culture	CBIT/19EEV05	2019-20	1	40	50	50
A Journey towards Entrepreneurship	CBIT/17MEV03	2019-20	1	40	103	103
Disaster Mitigation and Management	CBIT/19CSV01	2019-20	2	40	150	150
Environmental Science	CBIT/19CSV02	2019-20	2	40	198	198
History of Science and Technology	CBIT/19CSV03	2019-20	2	40	169	169
Indian Constitution	CBIT/19CSV04	2019-20	2	40	198	198
Intellectual Property Rights	CBIT/19CSV05	2019-20	2	40	29	29
Research Methodologies	CBIT/19CSV07	2019-20	2	40	18	18


Title of the value added course

Professional Etiquette Lab

Code: CBIT/20EGV03

Duration: 30 Hours

Academic year: 2019 -20


  
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**Time table**


<b>Period</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>L U N C H  B R E A K</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Time</b>	<b>9.10 to 10.10</b>	<b>10.10 to 11.10</b>	<b>11.15 to 12.15</b>		<b>1.00 to 2.00</b>	<b>2.00 to 3.00</b>	<b>3.05 to 4.05</b>
<b>MON</b>	Professional Etiquette lab						
<b>TUE</b>							
<b>WED</b>							
<b>THU</b>							
<b>FRI</b>							
<b>SAT</b>							

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Professional Etiquette lab	CBIT/20EGV03	2019-20	1	30 hrs.	119	119


**List of participants**

  
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S.No	Roll No.	Name of the Student
1	160119734001	KAPARTHI ANGEL SHEEBA
2	160119734002	SANABOYINA DEVIKA RANI
3	160119734003	SEGGAM GNANAPRASANNA
4	160119734004	MOCHI JAYASREE
5	160119734005	KARUNYA RAM S
6	160119734006	PEDDAPALLI LAKSHMI SAHITYA
7	160119734007	GADE LIKHITHA
8	160119734008	YENUGULA MANASA
9	160119734009	VUGGAM MANEESHA
10	160119734010	GUNDU NIHARIKA
11	160119734011	PATIL SAI VAISHNAVI
12	160119734012	MANNE SHINY ROSELEEN
13	160119734013	U SMRIDHI
14	160119734014	NALLURI SNEHA
15	160119734015	M SNEHA SUNDARI
16	160119734016	VELPULA SNEHA
17	160119734017	Medam Soumya
18	160119734018	KATIKAM VAMSHIKA
19	160119734019	VANGAVETI VIJAYA CHANDANA
20	160119734020	KUSA YAMINI
21	160119734021	VATHADI ABHINAV VARMA
22	160119734022	ANANTHULA ADARSH
23	160119734023	D AKSHAY KUMAR
24	160119734024	GOLLA ARAVIND
25	160119734025	RAMAVATH ARAVIND
26	160119734026	ADUVALA ARUN
27	160119734027	DOSAPATI CHRISTOPHER STEVEN MOSES
28	160119734028	DEVULAPALLY DHANUSH CHANDER
29	160119734029	GUNDEBOINA GANESH
30	160119734030	ERRABELLY GYAN VIKAS
31	160119734031	MUCHERLA HARI PRAVEEN
32	160119734032	NALLA JAYANTH REDDY
33	160119734033	OGIRALA NAGAVENKATASAIVISHWANATH
34	160119734034	AYYALASOMAYAJULA NISHANTH
35	160119734035	A NITHIN

  
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36	160119734036	NUTHAN REDDY VADDI REDDY
37	160119734037	KANIKARAPU PAVAN KUMAR
38	160119734038	KADAMALLA PRAPUL
39	160119734039	Rajesh chinta
40	160119734040	MEESALA RISHI PRANEETH
41	160119734041	ROHIT DATTA DIDUGU
42	160119734042	A SAI ABHEESH
43	160119734043	SAI ANVESH CHEVULA
44	160119734044	JATAVATH SAI KISHORE NAIK
45	160119734045	GANDU SAI LIKHITH
46	160119734046	GINJALA SAI RAM REDDY
47	160119734047	POGULA SANJAY KUMAR
48	160119734048	SHAIK FARDEEN AHMED
49	160119734049	BUDEVAR SHIVA KUMAR
50	160119734050	POLYSETTY SHIVA SAI
51	160119734051	USHAKOYALA SHIVA SAI
52	160119734052	KALKURI SHIVA SHANTH
53	160119734053	SHIVA TEJA DARAM
54	160119734054	GODAVARI SRI SAI AKHIL
55	160119734055	BANOTHU SRIKANTH
56	160119734056	LANKALA SRI SANTH
57	160119734057	GAMPA SUHASH
58	160119734058	KETHANAPALLY SUSENA REDDY
59	160119734059	SWAPNIL VAITLA
60	160119734060	DAREDDY THULASI HUSEN REDDY
61	160119734061	KURRI ANITHA
62	160119734062	FIRDOUS ANJUM
63	160119734063	BURRI GOWTHAMI
64	160119734064	V KRISHNA SREE
65	160119734065	CHAKKA LAHARI
66	160119734066	ESLAVATH MANASA
67	160119734067	MUNNOLA POOJA
68	160119734068	NAGAVELLI PRATHYUSHA
69	160119734069	CHELLE SABHYATA
70	160119734070	SINGIREDDY SAI NAGA KEERTHANA
71	160119734071	BHEEMANADHUNI SAIMEGHANA
72	160119734072	B SANDHYA

  
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73	160119734073	CHERUKU SANDHYA
74	160119734074	pasham sharathdeepika
75	160119734075	REGU SHRUTHI
76	160119734076	VINUKULA SUSHMA
77	160119734077	KOLA THARUNI
78	160119734078	KALE VAISHNAVI
79	160119734079	DINTAKURTHI ABHINAY
80	160119734080	POLU ABISHEK REDDY
81	160119734081	AJAY KUMAR MALLETTULA
82	160119734082	YASA AKHIL
83	160119734083	AKSHAY S R N S MARLA
84	160119734084	AMUDALA ARAVIND REDDY
85	160119734085	VAKITI ARJUN
86	160119734086	BHARATH PENTAPARTHY
87	160119734087	G BHARGAV
88	160119734088	EDUMEKALA DUSHYANTH YADAV
89	160119734089	SHAIK HADEEL
90	160119734090	THALARI HAREESH
91	160119734091	PAIDI HARISH
92	160119734092	SAMBARAJU JASHWANTH
93	160119734093	MUSHANOLLA KOUSHIK REDDY
94	160119734094	Vangapally Kousthubh
95	160119734095	N LALU PRASAD
96	160119734096	MALLEPALLY MADHUSUDHANREDDY
97	160119734097	CHAPALAMADUGU MAHENDAR
98	160119734098	MOHAMMAD NIZAMUDDIN AREEF
99	160119734099	MOHAMMED AMAAN
100	160119734100	GEDDAM NEENA NIKHIL
101	160119734101	Y NIKHIL
102	160119734102	ADABALA PAVAN KUMAR
103	160119734103	Y PRANEETH
104	160119734104	RAHUL DHIR
105	160119734105	BODA RAMANA ASURAM
106	160119734106	MANNEM RAVI TEJA
107	160119734107	TAKKAN ROHITH
108	160119734108	CH RUSHIKESH
109	160119734109	PATLOLLA SANDEEP KUMAR

  
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110	160119734110	CHETKURI SHIVA
111	160119734111	POGULA SHIVAMANI
112	160119734112	PUNNA SHIVA TEJA
113	160119734113	SUPREETH AUTI
114	160119734114	K SURYA PRAKASH
115	160119734115	CHINDURALA THARUN TEJA
116	160119734116	ERALLA VENU
117	160119734117	TOKALA VISHNUVARDHAN
118	160119734118	ATIKETI VIVEK CHANDRA
119	160119734119	ARIGE YASHWANTH

  
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**TITLE OF THE VALUE ADDED COURSE:** Technical Presentation

**COURSE CODE:** CBIT/19EGV04

**ACADEMIC YEAR:** 2019 - 20

**TARGET PARTICIPANTS:** Final Year Students - VIII

**DURATION OF THE COURSE:** 40 hours/ 10 weeks



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

**DEPARTMENT OF ENGLISH  
TECHNICAL PRESENTATION**

**Code : CBIT/19EGV04**

Instruction Hours

3 Hours Per Week

CIE

50 Marks

**Course Objectives :**

To expose the students to:

1. Features of technical communication
2. Types of professional correspondence
3. Techniques of report writing
4. Basics of manual writing
5. Aspects of data transfer and presentations.

**Course Outcomes**

On successful completion of the course, the students would be able to:

1. Handle technical communication effectively
2. Use different types of professional correspondence
3. Use various techniques of report writing
4. Acquire adequate skills of manual writing
5. Enhance their skills of information transfer and presentations

**UNIT I**

***Definition and Features of Technical communication*** :Definition and feature so f technical communication (precision, relevance, format, style, use of visual aids),Differences between general writing and technical writing, Types of technical communication(oral and written)

**UNIT II**

***Technical Writing-I(Official correspondence)***:Emails, IOM, Business letters, Business proposals.

**UNIT III**

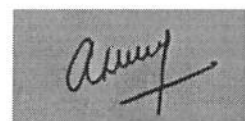
***Technical writing-II(Reports)***:Projectreport,Feasibilityreport,Progressreport,Evaluationreport.

**UNIT IV**

***Technical writing-III***

***(Manuals)***:Typesofmanuals,Usermanual,Productmanual,Operationsmanual.

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## UNIT V

**Information Transfer and Presentations:** Non-verbal (bar diagram, flow chart, pie chart, treediagram)toverbal(writing), Verbal(written)tonon-verbal, Importantaspects oforalandvisualpresentations.

### **Suggested Readings:**

1. Raman, Meenakshi & Sharma, Sangeeta. (2015). *Technical Communication: Principles and Practice* (3rd ed.). New Delhi, OUP.
2. Rizvi, Ashraf, M. (2017). *Effective Technical Communication* (2nd ed.). New Delhi, Tata Mc Graw Hill Education.
3. Sharma, R. C., & Mohan, Krishna. (2017). *Business Correspondence and Report Writing: A Practical Approach to Business & Technical Communication* (4th ed.). New Delhi, Tata McGraw Hill Education.
4. Tyagi, Kavita & Misra, Padma. (2011). *Advanced technical communication*. New Delhi, PHI Learning.
5. Jungk, Dale. (2004). *Applied writing for technicians*. New York, Mc Graw-Hill Higher Education.



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Department of English

CIRCULAR

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Date: 14.12.2019

This is to inform all the VII Semester students that the department of English is offering the Value -Added course **Technical Presentation–CBIT/19EG V04** from **16.12.2019**. The interested students can register in the Department of English.

**Expected Outcomes of the Course:**

To sensitize the students towards the Technical Presentation Skills.  
To make the students aware of the need for effective Technical Presentation.  
To make the students understand the value and importance of Communication in Technical sphere.

**Duration: 40 hours**



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**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY- HYDERABAD -75  
DEPARTMENT OF ENGLISH**

**Time Table, Academic Year: 2019-20**

*Technical Communication*  
SEM-VIII, ~~Gender Equality~~, CBIT/19EGV04

**Name Of The Faculty::**Mr. K. Naveen Kumar,naveenkumar\_english@cbit.ac.in9440944186

Time Day	9.10 - 10.10	10.10- 11.10	11.15- 12.15		1.00-2.00	2.00-3.00	3.05-4.05
MON				L U N C H			
TUE							
WED							
THU	B1 PROD 1 BIOTEC 1		B3 EEE		B2 CHEM EEE		
FRI	B2 CHEM EEE						B1 PROD 1BIOTEC 1
SAT	B3 EEE						

  
**Time Table In-charge**

  
**HoD  
Dept of English**

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Subject: Technical Presentation Code: CBIT/19EGV04 2019 - 20		EVEN SEM TOTAL=196
S.No	NAME	ROLL NUMBER
<b>VIII SEM PROD -1</b>		
1	AMULYA U	1601-16-738-001
2	BALA LAKSHMI PRASANNA K	1601-16-738-002
3	GIRIJA Y SL	1601-16-738-004
4	NANDANA CH	1601-16-738-008
5	PURNIMA E	1601-16-738-009
6	RICHASREE A	1601-16-738-011
7	SHRIYA REDDY B	1601-16-738-012
8	SINDHUJA SAI B	1601-16-738-013
9	SOWMMYA J	1601-16-738-014
10	VIDYA SREE V	1601-16-738-015
11	ANURAG B	1601-16-738-022
12	BALA KRISHNA REDDY H	1601-16-738-023
13	CHANDRA KIRAN REDDY K	1601-16-738-025
14	KIRAN KUMAR G	1601-16-738-030
15	KISHORE KUMAR M	1601-16-738-031
16	KOUSHIK S	1601-16-738-032
17	KRUPAKAR REDDY M	1601-16-738-033
18	NITESH KUMAR REDDY V	1601-16-738-036
19	PRABHAKAR J	1601-16-738-037
20	PRANEETH DATH B	1601-16-738-038
21	PRASHANTH T	1601-16-738-039
22	SAI KARTHIK K	1601-16-738-043
23	SAI KRISHNA PRANEETH A	1601-16-738-044
24	SAI PRAKASH J	1601-16-738-045
25	SAINATH B	1601-16-738-046
26	SHAIK MUBASHEERUDDIN	1601-16-738-049
27	SHIVA KUMAR GOUD S	1601-16-738-050
28	UTTAM VIJAYWARGIYA	1601-16-738-052
29	VENKATA SAI SRIKAR P	1601-16-738-054
30	VIKRAM NAYAK M	1601-16-738-058
31	VISHUNUVARDHAN REDDY B	1601-16-738-059
32	RUKMANGADHA REDDY B	1601-16-738-060
33	ANIL REDDY	1601-16-738-301
34	KADUDURI UDAYKIRAN	1601-16-738-302
35	KOTA HEMANTH	1601-16-738-303
36	HEMANTH REDDY KOMPALLY	1601-16-738-304
37	MOHAMMED SUFIYAN AHMED	1601-16-738-305
38	GURRAM SAI GANESH	1601-16-738-306
39	GUNDETI NAVEEN KUMAR	1601-16-738-308
40	ABDUL SALMAN	1601-16-738-309
41	S CHANDRA SHEKER	1601-16-738-310
42	MORRY SUMANTH KUMAR	1601-16-738-311
43	DUBBAGULLA SAMPATH KUMAR	1601-16-738-312
44	P HEMA CHANDER	1601-15-738-019
45	A DEEPAK NAIK	1601-15-738-309

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VIII SEM BIO -1		
1	AARYA SREE K	1601-16-805-001
2	AKSHITA K	1601-16-805-002
3	ANANYA S	1601-16-805-003
4	APOORVA SARAH P	1601-16-805-004
5	BRINDA D	1601-16-805-005
6	CHANDANA K	1601-16-805-006
7	GAYATHRI G	1601-16-805-008
8	KAVYA Y	1601-16-805-009
9	LAKSHMI NEHA U	1601-16-805-010
10	LAVANYA M	1601-16-805-011
11	MAHEE V	1601-16-805-012
12	MEENAKSHI B	1601-16-805-013
13	MEGHANA REDDY S	1601-16-805-014
14	NAGA HARSHITHA B	1601-16-805-016
15	NARMADA I	1601-16-805-017
16	NIHARIKA B	1601-16-805-018
17	PREETHI N	1601-16-805-019
18	RAGA PRIYA K	1601-16-805-020
19	RESHMITA G	1601-16-805-021
20	SAI CHARITHA B	1601-16-805-023
21	SANA THABASSUM	1601-16-805-024
22	SANJANA G	1601-16-805-026
23	SANJANA V	1601-16-805-027
24	SHRADDHA M	1601-16-805-028
25	SOUMYA R	1601-16-805-029
26	SRAVYA B	1601-16-805-030
27	SREYA V	1601-16-805-031
28	SRI KEERTHI BHAVANI G	1601-16-805-032
29	SRI VIDYA P	1601-16-805-033
30	SUMERA FAIZ	1601-16-805-034
31	ZAINAB	1601-16-805-036
32	ARVIND B	1601-16-805-037
33	EPHIN MONICHAN	1601-16-805-038
34	HARSHAVARDHAN V	1601-16-805-039
35	NAGA SAI Y	1601-16-805-042
36	SAI SRIJEETH REDDY K	1601-16-805-044
37	SAIVENU P	1601-16-805-045
38	SUMANTH S	1601-16-805-048
39	VIVEKREDDY R	1601-16-805-049
40	MUTTAQI AHMAD ALLADIN	1601-16-805-050
41	BYAGARI SREEKANTH	1601-15-805-052

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VII SEM CHEM -1

1	ANJANI M	1601-16-802-001
2	CHANDANA K	1601-16-802-002
3	CHINMAYI P	1601-16-802-003
4	KEERTHANA REDDY CH	1601-16-802-006
5	MEENA P	1601-16-802-007
6	NIKHILA L	1601-16-802-008
7	POOJITHA REDDY G	1601-16-802-010
8	SAI PRAFULLA T	1601-16-802-011
9	SAJITHA B	1601-16-802-012
10	SAMHITHA REDDY K	1601-16-802-013
11	SATHWIKA A	1601-16-802-014
12	SRI NAVYA REDDY P	1601-16-802-015
13	SRILEKHA M	1601-16-802-016
14	SUJITHA J	1601-16-802-017
15	SWARNA LATHA B	1601-16-802-018
16	AKASH REDDY M	1601-16-802-020
17	BHARATH REDDY K	1601-16-802-021
18	CHAITANYA PRUDVI B	1601-16-802-022
19	CHAITANYA V	1601-16-802-023
20	GOPI T	1601-16-802-024
21	GOWTHAM B	1601-16-802-025
22	HARSHITH M	1601-16-802-026
23	HARSH BHARAT YADAV	1601-16-802-030
24	MOHAMMED IBRAHIM ALI	1601-16-802-032
25	PRATHIK KUMAR K	1601-16-802-038
26	SAI SAMPATH K	1601-16-802-042
27	SAI TEJA T	1601-16-802-043
28	SAILENDRA REDDY A	1601-16-802-044
29	SANDEEP KUMAR K	1601-16-802-045
30	SANDEEP P	1601-16-802-046
31	VADITHYA ROHITH NAIK	1601-16-802-049
32	VAMSHI KRISHNA B	1601-16-802-050
33	VARSHIT C V	1601-16-802-051
34	VARUN TEJA M	1601-16-802-052
35	VINEETH SAI A	1601-16-802-053
36	KARANAM SRI HARI	1601-16-802-301
37	MALKAPUR NAGARAJU	1601-16-802-302
38	VANKUDOTH SAI KUMAR	1601-16-802-303
39	BADDA SOLMON RAJU	1601-16-802-304
40	THOTA SHIVA	1601-16-802-305
41	AKKALADEVI VINEETH KUMAR	1601-16-802-307
42	ADULAPURAM BHARATH	1601-16-802-309
43	YENUBARI SUGUNA RATNAM	1601-16-802-312
44	V SHREYA REDDY	1601-15-802-012
45	ANKINTH MAGANTI	1601-15-802-017
46	MOHD MUJTABA HUSSAIN	1601-15-802-030
47	MOTHE RAKESH	1601-15-802-311
48	MOHAMMAD AHMAD	1601-14-802-028

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Head  
Dept. of English  
CBIT (A), Hyderabad-75.



VII SEM EEE -1		
1	AKANKSHA YADAV B	1601-16-734-001
2	AKHILA J	1601-16-734-002
3	CHITKALA M	1601-16-734-003
4	GAYATHRI M	1601-16-734-004
5	GEETHA BHARGAVI K	1601-16-734-005
6	KEERTHI REDDY K	1601-16-734-007
7	LASYA G	1601-16-734-008
8	LAVANYA M	1601-16-734-009
9	MOUNIKA G	1601-16-734-010
10	PRADEEPA CH	1601-16-734-011
11	PRAVALLIKA V	1601-16-734-012
12	SAI PRIYANKA T	1601-16-734-013
13	SHAIK AISHA	1601-16-734-014
14	SHASHIKALA M	1601-16-734-015
15	SHIVANI RAJU T	1601-16-734-016
16	SHRAVYA M	1601-16-734-017
17	SHREEJHA M	1601-16-734-018
18	SHRUTHI REDDY G	1601-16-734-019
19	SHRUTHI SRI T	1601-16-734-020
20	SRILEKHA CH	1601-16-734-021
21	SRINIDHI REDDY B	1601-16-734-022
22	SRIVIDYA B	1601-16-734-023
23	VENNELA REDDY K	1601-16-734-025
24	ABHISHEK NARAYANA D	1601-16-734-026
25	ANWESH K	1601-16-734-027
26	ARUNKUMAR GOUD S	1601-16-734-028
27	BALAKRISHNA REDDY K	1601-16-734-029
28	BARGAV CHAITANYA G	1601-16-734-030
29	HEMANTHKUMAR E	1601-16-734-031
30	INDRA KUMAR REDDY Y	1601-16-734-032
31	JOHN MEDWIN V	1601-16-734-034
32	LALITH CHANDRIL REDDY M	1601-16-734-036
33	MOHAMMED MOIZUDDIN	1601-16-734-037
34	MOHAMMED PARVEZ AMAIR	1601-16-734-038
35	MUKESH S	1601-16-734-039
36	NAGA BRAHMA C	1601-16-734-040
37	PAVAN KUMAR M	1601-16-734-042
38	PAVAN P	1601-16-734-043
39	RAVIVARMA A	1601-16-734-044
40	RUTHVIK P	1601-16-734-045
41	SAI BHARATH N	1601-16-734-046
42	SAI NIKHIL RAO G	1601-16-734-047
43	SAI SASANK REDDY A	1601-16-734-048
44	SAI SUNAYAN G	1601-16-734-049
45	SAIDEBAJI SK	1601-16-734-050
46	SAITEJA E	1601-16-734-051
47	SHIVA CHARAN PRASAD J	1601-16-734-053
48	SUDHEER A	1601-16-734-054

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Head  
Dept. of English  
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49	TARUN K	1601-16-734-056
50	THARUN R	1601-16-734-057
51	VENKATA SAI SAKETH S	1601-16-734-058
52	VENKATASIVA DATTASAI ABHISHEK CH	1601-16-734-059
53	VIDHYASAGAR J	1601-16-734-060
54	K HARIKA	1601-16-734-301
55	M SHARATH	1601-16-734-302
56	CHAATHIRI AVINASH	1601-16-734-303
57	JAKKULA VINAY	1601-16-734-304
58	MOHAMMAD NAJEEB UR RAHAMAN	1601-16-734-305
59	GUDELLI SHIVA KUMAR	1601-16-734-306
60	PULLA RAJU	1601-16-734-307
61	KOYALAKONDA JYOTHIRMAI	1601-16-734-308
62	MUDEDLA SHRUTHI	1601-16-734-309

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Title of the value added course

Python Data Structures

Code: CBIT/COURSERA/01

Duration: 30 Hours

Academic year: 2019 -20

  
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Gandipet, Hyderabad - 75

## Syllabus:

- Chapter 1: Strings
  - In this class, we pick up where we left off in the previous class, starting in Chapter 6 of the textbook and covering Strings and moving into data structures. The second week of this class is dedicated to getting Python installed if you want to actually run the applications on your desktop or laptop. If you choose not to install Python, you can just skip to the third week and get a head start.
- Unit: Installing and Using Python
  - In this module you will set things up so you can write Python programs. We do not require installation of Python for this class. You can write and test Python programs in the browser using the "Python Code Playground" in this lesson. Please read the "Using Python in this Class" material for details.
- Chapter 2: Files
  - Up to now, we have been working with data that is read from the user or data in constants. But real programs process much larger amounts of data by reading and writing files on the secondary storage on your computer. In this chapter we start to write our first programs that read, scan, and process real data.
- Chapter 3: Lists
  - As we want to solve more complex problems in Python, we need more powerful variables. Up to now we have been using simple variables to store numbers or strings where we have a single value in a variable. Starting with lists we will store many values in a single variable using an indexing scheme to store, organize, and retrieve different values from within a single variable. We call these multi-valued variables "collections" or "data structures".
- Chapter 4: Dictionaries
  - The Python dictionary is one of its most powerful data structures. Instead of representing values in a linear list, dictionaries store data as key / value pairs. Using key / value pairs gives us a simple in-memory "database" in a single Python variable.
- Chapter 5 Tuples
  - Tuples are our third and final basic Python data structure. Tuples are a simple version of lists. We often use tuples in conjunction with dictionaries to accomplish multi-step tasks like sorting or looping through all of the data in a dictionary.


## Time table

<b>Period</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>L U N C H  B R E A K</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Time</b>	<b>9.10 to 10.10</b>	<b>10.10 to 11.10</b>	<b>11.15 to 12.15</b>		<b>1.00 to 2.00</b>	<b>2.00 to 3.00</b>	<b>3.05 to 4.05</b>
<b>MON</b>							
<b>TUE</b>							
<b>WED</b>							
<b>THU</b>	Python Data Structures						
<b>FRI</b>							
<b>SAT</b>							

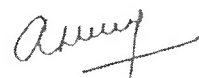
Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Python Data Structures	CBIT/COURSERA/01	2019-2020	1	30 hrs.	2	2

## List of participants

SNO	Roll NO	Registered & completed student Name
1	160118734304	Sai Kumar .Ramavath
2	160118734016	B.Rasagna

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75

**TITLE OF THE VALUE ADDED COURSE:** Indian Heritage and Culture  
**COURSE CODE:** CBIT/19EGV05  
**ACADEMIC YEAR:** 2019 - 20  
**TARGET PARTICIPANTS:** Final Year Students - VII  
**DURATION OF THE COURSE:** 40 hours/ 10 weeks



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

DEPARTMENT OF ENGLISH  
INDIAN HERITAGE AND CULTURE

Course Code: CBIT/19EGV05

Instruction Hours

3 Hours Per Week

CIE

50 Marks

**Course Objectives:**

1. To get a knowledge in Indian Culture
2. To Know Indian Languages and Literature and the fine arts in India
3. To explore the Science and Scientists of Medieval and Modern India

**Course Outcomes:** After completion of this course, students will be able to:

1. Understand philosophy of Indian culture
2. Distinguish the Indian languages and literature
3. Learn the philosophy of ancient, medieval and modern India
4. Acquire the information about the fine arts in India
5. Know the contribution of scientists of different eras.

**UNIT-I**

**Culture and Civilization:** Culture, civilization and heritage, general characteristics of culture, importance of culture in human life, Cultural diversity, Aesthetics, Women seers, Indus culture, Indian cuisine, Martial arts

**UNIT-II**

**Education System:** Education in ancient, medieval and modern India, aims of education, subjects, Languages, Science and Scientists of ancient, medieval and modern India

**UNIT-III**

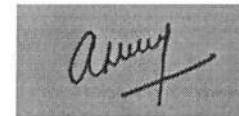
**Linguistic Wealth:** Indian Languages and Literature: the role of Sanskrit, Paleography, Significance of scriptures to current society, Indian semantics and lexicography, Bhakti literature, Darsanas

**UNIT-IV**

**Art, Technology & Engineering:** Sculpture, Painting and Handicrafts, Indian Music, Dance Drama and Theatre, Introduction to Mayamatam, Iron and steel technology, Use of metals in medicinal preparations

**UNIT-V**

**Science and Logic:** Helio-centric system, Sulbasutras, Katapayadi, Hindu calendar, 6 pramanas in Indian logic, Scientific method applied to therapeutics, Fallacies, Tarka – Induction & Deduction, Ayurvedic biology, Definition of health



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**Essential Readings:**

1. Kapil Kapoor, **Text and Interpretation: The Indian Tradition**, ISBN: 81246033375, 2005
2. Samskrita Bharati, **Science in Samskrit**, ISBN-13: 978-8187276333, 2007
4. Satya Prakash, **Founders of sciences in Ancient India**, GovindramHasanand, ISBN-10: 8170770009, 1989
5. Brajendranath Seal, **The Positive Sciences of the Ancient Hindus**, Motilal Banarasidass, ISBN-10: 8120809254, 1915
6. Kanchallaiah, **Turning the Pot, Tilling the Land: Dignity of Labour in Our Times**

**Suggested Readings:**

- Swami Vivekananda, *Caste, Culture and Socialism*, Advaita Ashrama, Kolkata ISBN-9788175050280
- Swami Lokeshwarananda, *Religion and Culture*, Advaita Ashrama, Kolkata ISBN-9788185843384
- Kapil Kapoor, *Language, Linguistics and Literature: The Indian Perspective*, ISBN-10: 8171880649, 1994.
- Karan Singh, *A Treasury of Indian Wisdom: An Anthology of Spiritual Learn*, ISBN: 978-0143426158, 2016
- Swami Vivekananda, *The East and the West*, Advaita Ashrama, Kolkata 9788185301860
- Srivastava R.N., *Studies in Languages and Linguistics*, Kalinga Publications ISBN-13: 978-8185163475
- Subhash Kak and T.R.N. Rao, *Computation in Ancient India*, Mount Meru Publishing ISBN-1988207126
- R.N Misra, *Outlines of Indian Arts Architecture, Painting, Sculpture, Dance and Drama*, IAS, Shimla & Arya Books International, ISBN 8173055149
- S. Narain, *Examinations in ancient India*, Arya Book Depot, 1993
- M. Hiriyanna, *Essentials of Indian Philosophy*, Motilal Banarsidass Publishers, ISBN-13: 978-8120810990, 2014
- Ravi Prakash Arya, *Engineering and Technology in Ancient India*, Indian Foundation for Vedic Science, ISBN-10: 1947593072020
- Shashi Tharoor, *The Hindu Way*
- Amartya Sen, *Argumentative Indian*

**SWAYAM/Nptel:**

History of Indian Science and Technology - [https://onlinecourses.swayam2.ac.in/arp20\\_ap35/preview](https://onlinecourses.swayam2.ac.in/arp20_ap35/preview)  
Introduction to Ancient Indian Technology - [https://onlinecourses.nptel.ac.in/noc19\\_ae07/preview](https://onlinecourses.nptel.ac.in/noc19_ae07/preview)  
Indian Culture & Heritage - [https://onlinecourses.swayam2.ac.in/nos21\\_sc11/preview](https://onlinecourses.swayam2.ac.in/nos21_sc11/preview)  
Language and Society - <https://nptel.ac.in/courses/109/106/109106091/>  
Science, Technology & Society - <https://nptel.ac.in/courses/109/103/109103024/>  
Introduction to Indian Philosophy - <https://nptel.ac.in/courses/109/106/109106059/>  
Introduction to Indian Art - An appreciation - [https://onlinecourses.nptel.ac.in/noc20\\_hs09/preview](https://onlinecourses.nptel.ac.in/noc20_hs09/preview)



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CBIT (A), Hyderabad-75.



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

**Department of English**

**CIRCULAR**

\*\*\*\*\*

**Date: 29.06.2019**

This is to inform all the VII Semester students that the department of English is offering the Value -Added course **Indian Heritage and Culture– CBIT/19EG V05** from **01.07.2019**. The interested students can register in the Department of English.

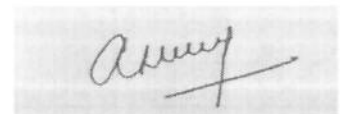
**Expected Outcomes of the course:**

To sensitize the students towards culturally important issues.

To make the students aware of the Great Indian Heritage and Cultural.

To make the students understand the value and importance of our heritage and culture.

**Duration: 40 hours**



**Head**

**Department of English**

Head  
Dept. of English  
CBIT (A), Hyderabad-75.

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY- HYDERABAD -75  
DEPARTMENT OF ENGLISH**

**Time Table, Academic Year: 2019-20**

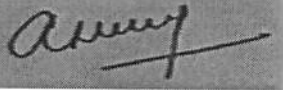
**SEM-VII , Indian Heritage and Culture CBIT/19EGV05  
Research Writing CBIT/19EGV07**

Room No :K 204

**Name Of The Faculty: Dr.N.Madhu**

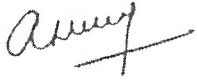
Time Day	9.10 -10.10	10.10-11.10	11.15-12.15		1.00-2.00	2.00-3.00	3.05-4.05
MON				L U N C H			
TUE							
WED							
THU						B1 IHC EEE	
FRI			B1 IHC EEE				B1 EEE RW
SAT						B1 EEE RW	

**Time Table In-charge**



**HoD  
Dept of English**

**TITLE OF THE VALUE ADDED COURSE:** Indian Heritage and Culture  
**COURSE CODE:** CBIT/19EGV05  
**ACADEMIC YEAR:** 2019 - 20  
**TARGET PARTICIPANTS:** Final Year Students - VIII  
**DURATION OF THE COURSE:** 40 hours/ 10 weeks

  
**Head**  
**Dept. of English**  
CBIT (A), Hyderabad-75.

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)**  
**Department of English**

**CIRCULAR**

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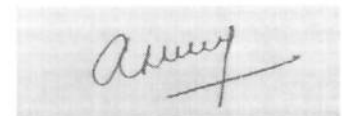
Date: 14.12.2019

This is to inform all the VII Semester students that the department of English is offering the Value -Added course **Indian Heritage and Culture– CBIT/19EG V05** from **16.12.2019**. The interested students can register in the Department of English.

**Expected Outcomes of the course:**

- To sensitize the students towards culturally important issues.
- To make the students aware of the Great Indian Heritage and Cultural.
- To make the students understand the value and importance of our heritage and culture.

**Duration: 40 hours**



**Head**

**Department of English**  
Head  
Dept. of English  
CBIT (A), Hyderabad-75.

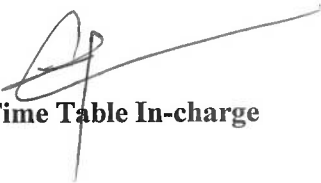
**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY- HYDERABAD -75  
DEPARTMENT OF ENGLISH**

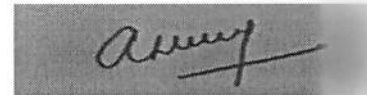
**Time Table, Academic Year: 2019-20**

**SEM-VIII Indian Heritage & Culture CBIT/19EGV05**

**Name Of The Faculty: Dr. Vinaya Ballakur**

Time Day	9.10 -10.10	10.10-11.10	11.15-12.15		1.00-2.00	2.00-3.00	3.05-4.05	
MON				L U N C H				
TUE								
WED								
THU			B2 ECE2				B1 ECE 1	
FRI			B3 CIVIL1			B2 ECE2		B1 ECE1
SAT						B3 CIVIL1		

  
**Time Table In-charge**



**HoD**

**Dept of English**

**Head  
Dept. of English  
CBIT (A), Hyderabad-75.**

Subject: Indian Heritage and Culture Code: CBIT/19EEV05 2019 - 20		ODD SEM TOTAL=50
S.No	NAME	ROLL NUMBER
<b>VII SEM EEE -1</b>		
1	AKANKSHA YADAV B	1601-16-734-001
2	AKHILA J	1601-16-734-002
3	CHITKALA M	1601-16-734-003
4	GAYATHRI M	1601-16-734-004
5	GEETHA BHARGAVI K	1601-16-734-005
6	KEERTHI REDDY K	1601-16-734-007
7	LASYA G	1601-16-734-008
8	LAVANYA M	1601-16-734-009
9	MOUNIKA G	1601-16-734-010
10	PRADEEPA CH	1601-16-734-011
11	PRAVALLIKA V	1601-16-734-012
12	SAI PRIYANKA T	1601-16-734-013
13	SHAIK AISHA	1601-16-734-014
14	SHASHIKALA M	1601-16-734-015
15	SHIVANI RAJU T	1601-16-734-016
16	SHRAVYA M	1601-16-734-017
17	SHREEJHA M	1601-16-734-018
18	SHRUTHI REDDY G	1601-16-734-019
19	SHRUTHI SRI T	1601-16-734-020
20	SRILEKHA CH	1601-16-734-021
21	SRINIDHI REDDY B	1601-16-734-022
22	SRIVIDYA B	1601-16-734-023
23	VENNELA REDDY K	1601-16-734-025
24	ABHISHEK NARAYANA D	1601-16-734-026
25	ANWESH K	1601-16-734-027
26	ARUNKUMAR GOUD S	1601-16-734-028
27	BALAKRISHNA REDDY K	1601-16-734-029
28	BARGAV CHAITANYA G	1601-16-734-030
29	HEMANTHKUMAR E	1601-16-734-031
30	INDRA KUMAR REDDY Y	1601-16-734-032
31	JOHN MEDWIN V	1601-16-734-034
32	LALITH CHANDRIL REDDY M	1601-16-734-036
33	MOHAMMED MOIZUDDIN	1601-16-734-037
34	MOHAMMED PARVEZ AMAIR	1601-16-734-038
35	MUKESH S	1601-16-734-039
36	NAGA BRAHMA C	1601-16-734-040
37	PAVAN KUMAR M	1601-16-734-042
38	PAVAN P	1601-16-734-043
39	RAVIVARMA A	1601-16-734-044
40	RUTHVIK P	1601-16-734-045
41	SAI BHARATH N	1601-16-734-046
42	SAI NIKHIL RAO G	1601-16-734-047
43	SAI SASANK REDDY A	1601-16-734-048
44	SAI SUNAYAN G	1601-16-734-049

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Dept. of English  
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45	SAIDEBAJI SK	1601-16-734-050
46	SAITEJA E	1601-16-734-051
47	SHIVA CHARAN PRASAD J	1601-16-734-053
48	SUDHEER A	1601-16-734-054
49	TARUN K	1601-16-734-056
50	THARUN R	1601-16-734-057

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Head  
Dept. of English  
CBIT (A), Hyderabad-75.

Subject: Indian Heritage and Culture Code: CBIT/19EEV05 2019 - 20		EVEN SEM TOTAL=129
S.No	NAME	ROLL NUMBER
VIII SEM ECE -1		
1	AISHWARYA K	1601-16-735-001
2	ANITHA Y	1601-16-735-002
3	ASHWINI R	1601-16-735-003
4	BHARGAVI G	1601-16-735-004
5	BHAVANA L	1601-16-735-005
6	CHINMAYEE P	1601-16-735-006
7	GEETHIKA C H	1601-16-735-007
8	HARSHINI SRI LALITHA P	1601-16-735-008
9	LAKSHMI SARVANI K	1601-16-735-009
10	LOHITHA M	1601-16-735-010
11	MAHENAZ AMREEN	1601-16-735-011
12	PREETHI V	1601-16-735-012
13	SAHITHI B	1601-16-735-013
14	SAI PRANATHI V	1601-16-735-014
15	SHAGUFTA ANJUM S	1601-16-735-015
16	SHIVANI SHRADDHA B	1601-16-735-016
17	SOHILA KRISHNA P	1601-16-735-017
18	SREEJA P	1601-16-735-018
19	SRI DIVYA B	1601-16-735-019
20	SUSMITHA G	1601-16-735-020
21	VAISHNAVIN	1601-16-735-021
22	VIJAYA LAKSHMI K	1601-16-735-022
23	YOSHITHA G	1601-16-735-023
24	ASHISH K	1601-16-735-024
25	BHARGHAV R	1601-16-735-025
26	BHAVIK PERSHAD P	1601-16-735-026
27	CHAITAN N	1601-16-735-027
28	DEEPAK SAMEER S	1601-16-735-028
29	DILEEPKUMAR V	1601-16-735-029
30	DILIP E	1601-16-735-030
31	GNANA SAMPATH J	1601-16-735-031
32	HARUN RASHEED MOHAMMAD	1601-16-735-032
33	KARTHIK P	1601-16-735-033
34	KIRAN KUMAR B	1601-16-735-034
35	MAHESH N	1601-16-735-035
36	MD KHALID MUDASSIR	1601-16-735-036
37	MOHAMMAD SAAD	1601-16-735-037
38	NAGESH K	1601-16-735-038
39	PARSHARAMULU M	1601-16-735-039
40	PAVANKUMAR REDDY CH	1601-16-735-040
41	RISHI R	1601-16-735-041
42	SAI CHAKRI T	1601-16-735-042
43	SAI PRANAV D	1601-16-735-043
44	SAI SOHAM R	1601-16-735-044

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Head  
Dept. of English  
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Head  
Dept. of English  
CBIT (A), Hyderabad-75.

46	SATISH KUMAR M	1601-16-735-046
47	SHALOMJI U	1601-16-735-047
48	SHIVAKUMAR G	1601-16-735-048
49	SHIVANK AGARWAL	1601-16-735-049
50	SREE NARESH KRISHNA CH	1601-16-735-050
51	SRI HARI CH	1601-16-735-051
52	SRIKAR G	1601-16-735-052
53	SUKESH REDDY N	1601-16-735-054
54	SURESH K	1601-16-735-055
55	VAMSI KRISHNA M	1601-16-735-056
56	VARUN KUMAR REDDY K	1601-16-735-057
57	VARUN P	1601-16-735-058
58	VEERA TEJA B	1601-16-735-059
59	VINITH KUMAR K	1601-16-735-060
60	SRI RAMOJU SHRAVANI	1601-16-735-301
61	ANISHA BOMMA	1601-16-735-302
62	T S RAHUL	1601-16-735-303
63	J VINAY KUMAR	1601-16-735-304
64	RASAGNA VEMULA	1601-16-735-305
65	SHARATH KUMAR	1601-16-735-306
66	AYESHANIKHATH	1601-16-735-307
67	KOTA KAVYA	1601-16-735-308
68	VADLA NAVANEETHA	1601-16-735-309
69	GUGULOTH LAKPATHI	1601-16-735-310
70	THADAGONDA REETA	1601-16-735-311
71	NAUSHEEN	1601-16-735-312
72	GUMMADAVELLI ANJALI	1601-15-735-303
73	MADHYARLA MANISHA	1601-14-735-008
	VIII SEM ECE -2	
1	AMTUL MOHIMIN TAHA	1601-16-735-061
2	AYESHA SAMREEN	1601-16-735-062
3	BHAVANA S	1601-16-735-063
4	BLESSY N	1601-16-735-064
5	SAI NEEHARIKA P	1601-16-735-065
6	HARINI A	1601-16-735-066
7	KEERTHI P	1601-16-735-067
8	LIKHITA Y	1601-16-735-068
9	MAMATHA K	1601-16-735-069
10	MANMITHA J	1601-16-735-070
11	NAGA SANTOSHI N	1601-16-735-071
12	PALLAVI REDDY P	1601-16-735-072
13	PRIYANKA B	1601-16-735-073
14	RAMYATHA P	1601-16-735-074
15	RISHITHA REDDY K	1601-16-735-075
16	SIRISHA J	1601-16-735-076
17	SNEHITHA MADHURIMA M	1601-16-735-077
18	SPANDANA R	1601-16-735-078

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19 | SREYA K

1601-16-735-079

*Amey*

Head  
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CBIT (A), Hyderabad-75.

20	SRINIDHI G	1601-16-735-080
21	SUSHMA N	1601-16-735-081
22	VANAJA S	1601-16-735-082
23	VARTIKA	1601-16-735-083
24	VENKATA LAVANYA Y	1601-16-735-084
25	VIDYA L	1601-16-735-085
26	ABHILASH K	1601-16-735-086
27	AJITH V	1601-16-735-087
28	AKHIL A	1601-16-735-088
29	AKHIL KUMAR V	1601-16-735-089
30	AKHIL N	1601-16-735-090
31	ANJANEYAPRASAD K	1601-16-735-091
32	ARUN KUMAR M	1601-16-735-093
33	BHANU PRASAD M	1601-16-735-094
34	BHAVANI SAI SUNEEL P	1601-16-735-095
35	KAUSHIK B	1601-16-735-096
36	KRISHNA ABHISHITH P	1601-16-735-097
37	MOHAMMED RASHED	1601-16-735-098
38	NIKHIL RAJ K	1601-16-735-100
39	PRAKASH REDDY A	1601-16-735-101
40	PRANAV TEJASVI A	1601-16-735-102
41	RAVI TEJA S	1601-16-735-103
42	ROHITH REDDY M	1601-16-735-104
43	SAI CHARAN P	1601-16-735-105
44	SAI TEJA K	1601-16-735-107
45	SAI VIKAS R	1601-16-735-108
46	SAI VISHWA TEJA T	1601-16-735-109
47	SAIKIRAN K	1601-16-735-110
48	SHASHANK KUMAR M	1601-16-735-111
49	SRINIVAS TEJA B	1601-16-735-112
50	TARUNENDRA M	1601-16-735-114
51	UDAY KIRAN M	1601-16-735-115
52	VAMSHI KRISHNA CH	1601-16-735-116
53	VISHWANATH REDDY Y	1601-16-735-118
54	YATINDRA ROHIT CH	1601-16-735-119
55	KORUMILLI RAGA SAI	1601-16-735-313
56	GOLLAGADDA ROOPALI	1601-16-735-314
VIII SEM CIVIL -1		
1	AKANKSHA REDDY L	1601-16-732-001
2	ALEKHYA P	1601-16-732-002
3	LAASYA M	1601-16-732-003
4	MANISHA D	1601-16-732-004
5	NIKHILA K	1601-16-732-005
6	RADHIKA BRINDAVANI G	1601-16-732-006
7	RAMYA VARSHINI A	1601-16-732-007
8	RITHIKA K	1601-16-732-008
9	SAMPOORNA P	1601-16-732-009

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Head  
Dept. of English  
CBIT (M), Hyderabad-75.

10 SHIVANI B

1601-16-732-011

*Amey*

Head  
Dept. of English  
CBIT (A), Hyderabad-75.

11	SHIVANI S	1601-16-732-012
12	SRI RAGHA SAI PRIYA N	1601-16-732-013
13	SUPRIYA N C	1601-16-732-014
14	VISHNU PRIYA P	1601-16-732-016
15	YAMINI GUPTA	1601-16-732-017
16	ANIL KUMAR B	1601-16-732-018
17	ANIRUDH REDDY A	1601-16-732-019
18	ANJANI KUMAR NAIK B	1601-16-732-020
19	AVINASH V	1601-16-732-022
20	BHANU KIRAN G	1601-16-732-024
21	BHARADWAJ B	1601-16-732-025
22	DINESHWAR D	1601-16-732-026
23	GANESH B	1601-16-732-027
24	HRUTHIK REDDY N	1601-16-732-030
25	ITHIHAS K	1601-16-732-031
26	JAGADISH REDDY T	1601-16-732-032
27	KARAN BHARAT M	1601-16-732-033
28	MOHAMMED MUSTAFA	1601-16-732-035
29	NIKHIL B	1601-16-732-036
30	PAVAN KUMAR J	1601-16-732-038
31	PHANI KRISHNA REDDY P	1601-16-732-039
32	PRAVEEN CH	1601-16-732-040
33	PRAVEEN M	1601-16-732-041
34	RAHUL N	1601-16-732-042
35	RAMESH S	1601-16-732-044
36	RISHIK REDDY R	1601-16-732-045
37	SAI CHARAN K	1601-16-732-046
38	SAI RUGVEDH K	1601-16-732-047
39	SREE RITISH SUNDAR M	1601-16-732-049
40	SUBASH REDDY B	1601-16-732-050
41	TIRUMAL KUMAR A	1601-16-732-051
42	UTTAM NAIK J	1601-16-732-052
43	VEERESH K	1601-16-732-054
44	VINAY YADAV J	1601-16-732-055
45	VINITH KUMAR P	1601-16-732-056
46	VISHWAKSENA REDDY K	1601-16-732-058
47	ZACHARIAH BENJAMIN K	1601-16-732-060
48	SURAKANTI DIVYA	1601-16-732-301
49	NAGAMALLA DILEEP	1601-16-732-302
50	DEVARUPPALA DIVYA	1601-16-732-303

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Title of the value added course

Fundamentals of Management

Code: CBIT/19MEV07

Duration: 30 Hours

Academic year: 2019 -20

  
**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

**Time table**

<b>Period</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>L U N C H  B R E A K</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Time</b>	<b>9.10 to 10.10</b>	<b>10.10 to 11.10</b>	<b>11.15 to 12.15</b>		<b>1.00 to 2.00</b>	<b>2.00 to 3.00</b>	<b>3.05 to 4.05</b>
<b>MON</b>							
<b>TUE</b>							
<b>WED</b>					Fundamentals of Management		
<b>THU</b>							
<b>FRI</b>							
<b>SAT</b>							


Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Fundamentals of Management	CBIT/ 19MEV07	2019-20	1	30 hrs.	129	129

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75




### List of participants


S.No	Hall Ticket No	Name of students
1	160117734019	K ABHIRAM
2	160117734022	GULAGATTU BHARATH KUMAR
3	160117734037	G MOHAN
4	160117734307	B MAHESH KUMAR
5	160118734001	KUMMARI CHANDRAKALA
6	160118734002	PUTLA DHARANI
7	160118734003	GUJJA INDRANI
8	160118734004	KAVYA TAMMALI
9	160118734005	CHIMARLA KEERTHANA
10	160118734006	SOLIPURAM KEERTHANA REDDY
11	160118734007	KHYATI BHAREDWAJ
12	160118734008	JAGATHKARI LAXMIPRIYA
13	160118734009	KASHA MAHATHI
14	160118734010	MYAKA MANIDEEPIKA REDDY
15	160118734011	NAZIYA BEGUM
16	160118734012	P NEHASREE
17	160118734013	PRAVEENA BOBBALA
18	160118734014	BAKKAREDDY PRIYANKA
19	160118734015	ERPULA RANI
20	160118734016	BATTULA RASAGNA
21	160118734017	KANDANELLY SAHITHI PRIYA RATHOD
22	160118734018	DARAPU SAI AKSHAYA
23	160118734019	SHIVARATHRI SRAVANI
24	160118734020	NARAYANA SRINIDHI REDDY
25	160118734021	VATTIKONDA SUSHMITHA
26	160118734022	SANIKOMMU VAISHNAVI
27	160118734023	BURRA VARSHITHA

  
**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75


28	160118734024	THODUPUNURI VASAVI
29	160118734025	VINUTHNA REDDY GUTHA
30	160118734026	KANTHALA ADITH CHANDRA
31	160118734027	KULAKARNI ADITHYA
32	160118734028	MOHAMMED AMAAN FAROOQUI
33	160118734029	K CHINNA RAMUDU
34	160118734030	KOBBAI DILEEP KUMAR
35	160118734031	KSHITEISSH BHARADWAJ
36	160118734032	AGGADI MANI DEEP
37	160118734033	NABEEL KHAN
38	160118734034	NAMAN GUPTA
39	160118734035	AMANCHI NAVEEN
40	160118734036	NAVID PABANI
41	160118734037	NARAYANA NITHIN
42	160118734039	GUGGILLA RAGHAVESHWAR
43	160118734040	MOTUPALLI RAMA KRISHNA SAI
44	160118734041	ARRA RASHMITH REDDY
45	160118734042	CHILLAMCHARLA SAI RAGHU
46	160118734043	D SAI SIDHARTH KSHYAP
47	160118734044	MOTHUKURI SAI SRINIVAS
48	160118734045	VANGALA SAI SRUJAN
49	160118734046	GUDIMALLA SANJAY
50	160118734047	M SHANMUKHESH
51	160118734049	BOGE SIDDARTH
52	160118734050	SUHAS REDDY M
53	160118734051	G TARUN
54	160118734052	NUGURI TARUN
55	160118734053	VEERAPRADYUN GONUGONDLA
56	160118734054	KALVA VENU
57	160118734055	KATAKAM VINAY KUMAR
58	160118734056	CHENNA VINEETH
59	160118734057	VISHWAS P
60	160118734058	ZIYAD AHMED MOHAMMED

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75

61	160118734061	BHARGAVI SINGAJOGI
62	160118734062	CHELLA MEENAKSHI S
63	160118734063	KAVYA PINNEBOINA
64	160118734064	LOHITHA REDDY ANNADI
65	160118734065	MANASVINI KOTTAPALLY
66	160118734066	SURUKANTI NISHITHA
67	160118734067	NISHMA REDDY KASTURI
68	160118734068	RACHEL A
69	160118734069	RISHITHA ARIKOTLA
70	160118734070	SAI VARSHA MAKTHAL
71	160118734071	SANDHYA KORRA
72	160118734072	THUMU SNEHA BHANDHAVI
73	160118734073	SOUMYA BANDLA
74	160118734074	GUDIVENUKA SRAVANTHI
75	160118734075	SADINENI SRAVANTHI
76	160118734076	SANKARNENI SRAVYA
77	160118734077	SREE VIDYA GOLLA
78	160118734078	SUNITHA RANI PITLA
79	160118734079	UMMAY SALMA
80	160118734080	M ABHISHEK
81	160118734081	MUTHYALA ABHISHEKH
82	160118734082	AJAY GUNNALA
83	160118734083	MORE AKSHAY
84	160118734084	CHAKRAVARTHY DANGATLA
85	160118734085	CHERUPALLY CHARAN KUMAR
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87	160118734087	ESWAR TEJA CHAVA
88	160118734088	HARI KIRAN VAGIRI
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90	160118734090	JEEVAN KUMAR G
91	160118734091	GULLAPALLI LOKESH
92	160118734092	PANDULA MANIDEEP
93	160118734094	DONTHULA NAVEEN
94	160118734095	PRUDHVI MURUKUTLA
95	160118734097	RAKESH ANNAM
96	160118734099	SAI LOKESH REDDY NANDAVARAPU
97	160118734100	KOTHAKONDA SAI TEJA
98	160118734101	SAIKIRAN KOLLOJU
99	160118734102	LAKKARSU SAITEJA VARMA
100	160118734103	MD SAMEER KHAN
101	160118734104	SHERANK DASARATH

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75

102	160118734105	SHIVA ANIMESH REDDY CHITTI
103	160118734106	SOHAN KUMAR RUSTUMPET
104	160118734107	SRI SAI WENKAT NIZAMPATNAM
105	160118734108	SRI VAMSI DEEVI
106	160118734109	SRINIVAS GAURAV JAMALPUR
107	160118734110	SUJITH REDDY MUTHYLA
108	160118734111	SUMANTH SETTY
109	160118734112	TARUN CH NSNS
110	160118734113	DODDI UDAY SHANKAR
111	160118734114	VENKATA MANIKANTA SAI AMALAKANTI
112	160118734115	VENKATA SAI VARUN P
113	160118734116	THADURI VENKATESH BABU
114	160118734117	MOVVA VINAY
115	160118734118	BODDU YESHWANTH KUMAR
116	160118734119	VENKANNAGARI YOGESH
117	160118734301	BIRRU VEDAVYAS
118	160118734302	T KARTHIK
119	160118734303	MUNJA YAMINI
120	160118734304	RAMAVATH SAIKUMAR
121	160118734305	AJAY KUMAR SAHANI
122	160118734306	KURMA RAVI
123	160118734307	DOKILE UMESH
124	160118734308	RAYABARAPU NAVYA
125	160118734309	VADDADI VIKAS
126	160118734310	VALUPADASU BUDDIK VARARAJ
127	160118734311	NENAVATH PRASHANTH
128	160118734312	GANASALA HEPSIBA RANI
129	160118734313	P CHAKRADHAR

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75


Title of the value added course

Industrial Exposure

Code: CBIT/19EEV03

Duration: 30 Hours


Academic year: 2019 -20

  
**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

**Time table**


<b>Period</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>L U N C H  B R E A K</b>	<b>4</b>	<b>5</b>	<b>6</b>
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<b>MON</b>							
<b>TUE</b>							
<b>WED</b>							
<b>THU</b>						Industrial Exposure	
<b>FRI</b>							
<b>SAT</b>							

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Industrial Exposure	CBIT/19EEV03	2019-20	1	30 hrs.	129	129


  
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 Gandipet, Hyderabad - 75

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10	160118734006	SOLIPURAM KEERTHANA REDDY
11	160118734007	KHYATI BHAREDWAJ
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21	160118734017	KANDANELLY SAHITHI PRIYA RATHOD
22	160118734018	DARAPU SAI AKSHAYA
23	160118734019	SHIVARATHRI SRAVANI
24	160118734020	NARAYANA SRINIDHI REDDY
25	160118734021	VATTIKONDA SUSHMITHA
26	160118734022	SANIKOMMU VAISHNAVI
27	160118734023	BURRA VARSHITHA
28	160118734024	THODUPUNURI VASAVI
29	160118734025	VINUTHNA REDDY GUTHA
30	160118734026	KANTHALA ADITH CHANDRA


  
**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

31	160118734027	KULAKARNI ADITHYA
32	160118734028	MOHAMMED AMAAN FAROOQUI
33	160118734029	K CHINNA RAMUDU
34	160118734030	KOBBAI DILEEP KUMAR
35	160118734031	KSHITEISSH BHARADWAJ
36	160118734032	AGGADI MANI DEEP
37	160118734033	NABEEL KHAN
38	160118734034	NAMAN GUPTA
39	160118734035	AMANCHI NAVEEN
40	160118734036	NAVID PABANI
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58	160118734056	CHENNA VINEETH
59	160118734057	VISHWAS P
60	160118734058	ZIYAD AHMED MOHAMMED
61	160118734061	BHARGAVI SINGAJOGI
62	160118734062	CHELLA MEENAKSHI S
63	160118734063	KAVYA PINNEBOINA


  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75



64	160118734064	LOHITHA REDDY ANNADI
65	160118734065	MANASVINI KOTTAPALLY
66	160118734066	SURUKANTI NISHITHA
67	160118734067	NISHMA REDDY KASTURI
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88	160118734088	HARI KIRAN VAGIRI
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93	160118734094	DONTHULA NAVEEN
94	160118734095	PRUDHVI MURUKUTLA
95	160118734097	RAKESH ANNAM
96	160118734099	SAI LOKESH REDDY NANDAVARAPU
97	160118734100	KOTHAKONDA SAI TEJA
98	160118734101	SAIKIRAN KOLLOJU
99	160118734102	LAKKARSU SAITEJA VARMA
100	160118734103	MD SAMEER KHAN
101	160118734104	SHERANK DASARATH
102	160118734105	SHIVA ANIMESH REDDY CHITTI
103	160118734106	SOHAN KUMAR RUSTUMPET
104	160118734107	SRI SAI WENKAT NIZAMPATNAM

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75

105	160118734108	SRI VAMSI DEEVI
106	160118734109	SRINIVAS GAURAV JAMALPUR
107	160118734110	SUJITH REDDY MUTHYLA
108	160118734111	SUMANTH SETTY
109	160118734112	TARUN CH NSNS
110	160118734113	DODDI UDAY SHANKAR
111	160118734114	VENKATA MANIKANTA SAI AMALAKANTI
112	160118734115	VENKATA SAI VARUN P
113	160118734116	THADURI VENKATESH BABU
114	160118734117	MOVVA VINAY
115	160118734118	BODDU YESHWANTH KUMAR
116	160118734119	VENKANNAGARI YOGESH
117	160118734301	BIRRU VEDAVYAS
118	160118734302	T KARTHIK
119	160118734303	MUNJA YAMINI
120	160118734304	RAMAVATH SAIKUMAR
121	160118734305	AJAY KUMAR SAHANI
122	160118734306	KURMA RAVI
123	160118734307	DOKILE UMESH
124	160118734308	RAYABARAPU NAVYA
125	160118734309	VADDADI VIKAS
126	160118734310	VALUPADASU BUDDIK VARARAJ
127	160118734311	NENAVATH PRASHANTH
128	160118734312	GANASALA HEPSIBA RANI
129	160118734313	P CHAKRADHAR


  
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Title of the value added course  
Machine Learning Using Python

Code: 16CS O10

Duration: 30 Hours

Academic year: 2019 -20

  
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## Syllabus:

CBIT (A)

With Effect from the Academic Year 2019-2020

16CS O10

### MACHINE LEARNING USING PYTHON

Instruction	3 Hours per week
Duration of Semester End Examination	3 Hours
Semester End Examination	70 Marks
CIE	30 Marks
Credits	3

**Course Objectives:** The main objectives of this course are:

1. Get an idea of Machine Learning algorithms to solve real world problems.
2. Study various machine learning algorithms.
3. Analyze data using machine learning techniques.

**Course Outcomes:** On Successful completion of this course, student will be able to

1. Understand the basics concepts of Machine Learning and Python.
2. Apply feature engineering techniques and visualization tools to the data.
3. Analyze the various types of data by using python based machine learning techniques.
4. Identify and evaluate various recommender systems.
5. Design solutions to real world problems using deep learning algorithms.

#### UNIT -I

**Introduction to Machine Learning:** Introduction, Machine Learning process.

**Introduction to Python:** Features, sources and installation of Python, IDEs, Basics of Python, Data Structures and loops.


#### UNIT -II

**Feature Engineering:** Introduction to Features and need of feature Engineering, Feature extraction and selection, Feature Engineering Methods, Feature Engineering with Python. **Data Visualization:** Various charts, histograms, plots.

#### UNIT -III

**Regression:** Simple and multiple regressions, Model assessment, various types of errors, errors, ridge regression, Lasso regression, non-parameter regression.

**Classification:** Linear classification, logistic regression, Decision Trees, Random Forest, Naïve Bayes.

  
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**UNIT -IV**

**Unsupervised Learning:** Clustering, K-Means clustering, Hierarchical clustering.

**Text Analysis:** Basic text analysis with Python, regular expressions, NLP, text classification. **Time Series Analysis:** Date and time handling, window functions, correlation, time series forecasting.

**UNIT -V**

**Neural Network and Deep Learning:** Neural network- gradient descent, activation functions, parameter initialization, optimizer, loss function, deep learning, deep learning architecture, memory, deep learning framework. **Recommender System:** Recommendation engines, collaborative filtering.

**Text Books:**


1. Abhishek Vijavargia "Machine Learning using Python", BPB Publications, 1<sup>st</sup> Edition, 2018
2. Tom Mitchel "Machine Learning", Tata McGraWHill, 2017
3. Reema Thareja "Python Programming", Oxford Press, 2017.

**Suggested Reading:**

1. Yuxi Liu, Python Machine Learning by Example, 2<sup>nd</sup> Edition, PACT, 2017

**Online Resources:**

1. <https://www.guru99.com/machine-learning-tutorial.html>
2. [https://www.tutorialspoint.com/machine\\_learning\\_with\\_python/index.htm](https://www.tutorialspoint.com/machine_learning_with_python/index.htm)
3. <https://www.tutorialspoint.com/python/>
4. <https://docs.python.org/3/tutorial/>
5. <https://www.geeksforgeeks.org/machine-learning/>




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Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

**Time table**


<b>Period</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>L U N C H  B R E A K</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Time</b>	<b>9.10 to 10.10</b>	<b>10.10 to 11.10</b>	<b>11.15 to 12.15</b>		<b>1.00 to 2.00</b>	<b>2.00 to 3.00</b>	<b>3.05 to 4.05</b>
<b>MON</b>	Machine Learning Using Python						
<b>TUE</b>							
<b>WED</b>							
<b>THU</b>							
<b>FRI</b>							
<b>SAT</b>							

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Machine Learning Using Python	16CS O10	2019-20	1	30 hrs.	60	60


  
**HEAD**  
 Dept. of EEE, CBIT (A)  
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### List of participants

<b>S.N O</b>	<b>Roll No.</b>	<b>Name of the Student</b>
1	160116734061	AKANKSHA REDDY A
2	160116734063	ALEKHYA UPPUTURI
3	160116734064	AMULYA R
4	160116734065	ANUHYA B
5	160116734080	CHINTHAKINDI RAMANI
6	160116734084	SANJANA S
7	160116734087	BHATTA SRI RAGA
8	160116734088	SRICHANDANA K
9	160116734092	ANDRUS SANATH ROY O
10	160116734093	GADDAM ARUNTEJA
11	160116734094	LENKALAPELLI BALAJI
12	160116734097	GOKUL CHANDRA P
13	160116734101	KIRAN KUMAR T
14	160116734103	NIKHIL KUMAR G
15	160116734105	PRUTHVI RAJ A
16	160116734106	RAHUL B
17	160116734108	RANADHEERREDDY K
18	160116734109	ROHAN A
19	160116734110	PANJALA ROHITH
20	160116734116	N VENKATA RAMANA ROHITH
21	160116734118	VENKATESH CH
22	160116734119	VIJAY ASHRITH KUMAR B
23	160116734120	YASH SHARMA
24	160116734314	MUTHYALA RISHIKESH
25	160116734315	ALLAM SRIJA
26	160116734316	M BHAVYA SRI
27	160116734318	KAVATI MADHAV
28	160116734321	BHUKYA BALRAM
29	160116734322	REDDYPELLI SUPRITHA
30	160116734061	AKANKSHA REDDY A
31	160116734063	ALEKHYA UPPUTURI
32	160116734065	ANUHYA B
33	160116734080	CHINTHAKINDI RAMANI
34	160116734082	RITIKA SINGH
35	160116734083	SAI KRITHI J
36	160116734084	SANJANA S
37	160116734087	BHATTA SRI RAGA
38	160116734088	SRICHANDANA K
39	160116734092	ANDRUS SANATH ROY O
40	160116734093	GADDAM ARUNTEJA

  
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 Gandipet, Hyderabad - 75

41	160116734094	LENKALAPELLI BALAJI
42	160116734095	TELLA BHARATH KUMAR
43	160116734097	GOKUL CHANDRA P
44	160116734101	KIRAN KUMAR T
45	160116734104	PRANAY P
46	160116734105	PRUTHVI RAJ A
47	160116734107	RAJA REDDY P
48	160116734108	RANADHEERREDDY K
49	160116734109	ROHAN A
50	160116734110	PANJALA ROHITH
51	160116734116	N VENKATA RAMANA ROHITH
52	160116734118	VENKATESH CH
53	160116734119	VIJAY ASHRITH KUMAR B
54	160116734120	YASH SHARMA
55	160116734314	MUTHYALA RISHIKESH
56	160116734315	ALLAM SRIJA
57	160116734316	M BHAVYA SRI
58	160116734318	KAVATI MADHAV
59	160116734321	BHUKYA BALRAM
60	160116734322	REDDYPELLI SUPRITHA

  
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Title of the value added course

Industrial Administration and Financial Management


Code: 16 ME 008

Duration: 30 Hours

Academic year: 2019 -20

  
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**Syllabus:**

  
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**16ME O08****INDUSTRIAL ADMINISTRATION AND FINANCIAL MANAGEMENT**

Instruction	3 Hours per week
Duration of Semester End Examination	3 Hours
Semester End Examination	70 Marks
CIE	30 Marks
Credits	3

**Objectives:** Students able to learn

1. Various types of business organizations and organization structures and importance of plant location and plant layout.
2. Importance of industrial engineering techniques like method study and work measurement.
3. The significance of quality control and production planning and control
4. The importance of project management techniques
5. The total cost of a product based on elements of cost

**Outcomes:** At the end of the course, the students will be able to

1. Understand the role of different types of business organizations along with the need and importance of various types of layouts used in manufacturing industries
2. Apply the techniques of method study and work measurement in industry to enhance productivity
3. Understand the importance of quality control and plot the control charts
4. Apply the techniques of project management in industry
5. Calculate the total cost of the product based on its elements.


**UNIT-I**

**Industrial Organization:** Definition of an organization, types of various business organizations, organization structures and their relative merits and demerits, functions of management.

**Plant location and layouts:** Factors affecting the location of plant and layout, types of layouts and their merits and demerits.

**UNIT-II**

**Work study:** Definitions, objectives of method study and time study, steps in conducting method study, symbols and charts used in method study, principles of motion economy, calculation of standard time by time study and work sampling, performance rating factor, types of ratings, jobs evaluation and performance appraisal, wages, incentives, bonus, wage payment plans

  
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**UNIT-III**

**Inspection and quality control:** Types and objectives of inspection, S.Q.C., its principles. Quality control chart and sampling plans, quality circles, introduction to ISO.

**Production planning and control:** Types of manufacture, types of production, principles of PPC and its function, production control charts.

**UNIT-IV**

**Optimization:** Introduction to linear programming and graphical solutions, assignment problems.

**Project Management:** Introduction to CPM and PERT, determination of critical path.

**Material Management:** Classification of materials, materials planning, duties of purchase manager, determination of economic ordering quantities, types of materials purchase.

**UNIT-V**


**Cost accounting:** Elements of cost, various costs, types of overheads, break even analysis and its applications, depreciation, methods of calculating depreciation fund, nature of financial management, time value of money, techniques of capital budgeting and methods, cost of capital, financial leverage.

**Text Books:**

1. Pandey I.M. , “Elements of Financial Management”, Vikas Publ. House, New Delhi, 1994.
2. James C Van Horne, John M Wachowicz, Jr., “Fundamentals of Financial Management”, 13/e, Prentice Hall Financial Times.
3. Khanna O.P., “Industrial Engineering and Management”, Dhanapat Rai & Sons.

**Suggested Reading:**


1. S.N. Chary, “Production and Operations Management”, 3/e, Tata McGraw Hill, 2006.
2. Paneer Selvam, “Production and Operations Management”, Pearson Education, 2007.
3. Joseph Monk, “Operations Management”, TMH Publishers, New Delhi, 2004.
4. Buffa Elwood S, “Modern Production /Operations Management”, John Wiley Publishers, Singapore, 2002

  
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Dept. of EEE, CBIT (A)  
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### Time table


Period	1	2	3	L U N C H	4	5	6
Time	9.10 to 10.10	10.10 to 11.10	11.15 to 12.15			1.00 to 2.00	2.00 to 3.00
MON				B R E A K	Industrial Administration and Financial Management		
TUE							
WED							
THU							
FRI							
SAT							

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Industrial Administration and Financial Management	16 ME O08	2019-20	1	30 hrs.	61	61


  
**HEAD**  
 Dept. of EEE, CBIT (A)  
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### List of participants

<b>S.N O</b>	<b>Roll No.</b>	<b>Name of the Student</b>
1	160113734026	KETHAVATH HEMACHANDRA NAIK
2	160114734053	SOUMITH REDDY
3	160114734054	SREEVASTHSAVA GOUD MAMIDI
4	160116734001	BOYINI AKANKSHA YADAV
5	160116734004	MAMILLAPALLY GAYATHRI
6	160116734005	GEETHA BHARGAVI K
7	160116734007	KEERTHI REDDY K
8	160116734009	MUKKA LAVANYA
9	160116734010	MOUNIKA G
10	160116734011	PRADEEPA CH
11	160116734013	SAI PRIYANKA T
12	160116734014	SHAIK AISHA
13	160116734015	SHASHIKALA M
14	160116734016	SHIVANI RAJU T
15	160116734017	SHRAVYA M
16	160116734019	GADDAMIDI SHRUTHI REDDY
17	160116734020	TAKKOLI SHRUTHI SRI
18	160116734021	SRILEKHA CH
19	160116734022	BYREDDY SRINIDHI REDDY
20	160116734023	SRIVIDYA B
21	160116734025	VENNELA REDDY K
22	160116734026	ABHISHEK NARAYANA D
23	160116734028	SURYA ARUNKUMAR GOUD
24	160116734030	GAINI BARGAV CHAITANYA
25	160116734039	SUREPALLI MUKESH
26	160116734040	NAGA BRAHMA C
27	160116734043	PAVAN P
28	160116734045	RUTHVIK P
29	160116734048	ARIMANDA SAI SASANK REDDY
30	160116734049	SAI SUNAYAN G
31	160116734050	SAIDBAJI SK
32	160116734051	EMMADI SAITEJA
33	160116734054	SUDHEER A

  
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34	160116734056	TARUN K
35	160116734057	THARUN R
36	160116734059	V S DATTASAI ABHISHEK CH
37	160116734060	VIDHYASAGAR J
38	160116734301	K HARIKA
39	160116734302	M SHARATH
40	160116734303	CHAATHIRI AVINASH
41	160116734304	JAKKULA VINAY
42	160116734306	GUDELLI SHIVA KUMAR
43	160116734307	PULLA RAJU
44	160116734308	KOYALAKONDA JYOTHIRMAI
45	160116734309	MUDEDLA SHRUTHI
46	160116734310	SAPPIDI PAVAN KALYAN
47	160116734311	KONAM AMULYA
48	160116734312	EPPA RAMNIVAS
49	160115734119	POLE YADAGIRI
50	160116734061	AKANKSHA REDDY A
51	160116734063	ALEKHYA UPPUTURI
52	160116734078	PRATYUSHA REDDY V
53	160116734080	CHINTHAKINDI RAMANI
54	160116734081	BADETI RATNA MANJUSHA
55	160116734082	RITIKA SINGH
56	160116734084	SANJANA S
57	160116734116	N VENKATA RAMANA ROHITH
58	160116734120	YASH SHARMA
59	160116734315	ALLAM SRIJA
60	160116734323	KATIKA LAVANYA
61	160116734324	KOMMU SANDHYARANI

  
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Title of the value added course

Basics of Electrical Vehicles

Code: CBIT/19EEV002

Duration: 30hrs.

Academic year: 2019 -20

  
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## Syllabus:

- Fundamentals of Electric Vehicles
- Principles of Electric machines
- Energy Storage Systems for HEV, BEV
- Battery Management System
- Certifications and Standards of EV Battery
- Analysis of Battery Failure
- EV Charging Stations


<b>Period</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>L U N C H B R E A K</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Time</b>	<b>9.10 to 10.10</b>	<b>10.10 to 11.10</b>	<b>11.15 to 12.15</b>		<b>1.00 to 2.00</b>	<b>2.00 to 3.00</b>	<b>3.05 to 4.05</b>
<b>MON</b>							
<b>TUE</b>							
<b>WED</b>					Basics of Electrical Vehicles		
<b>THU</b>							
<b>FRI</b>							
<b>SAT</b>							

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Basics of Electrical Vehicles	CBIT/19EEV002	2019-20	1	30hrs.	104	104


  
**HEAD**  
 Dept. of EEE, CBIT (A)  
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### List of participants


SNO	Registered & completed student Name	Total no. of students registered & completed
1	DEVIKA RANI SANABOINA	104
2	SNEHA NALLURI	
3	M SNEHA SUNDARI	
4	A NITHIN	
5	MEESALA RISHI PRANEETH	
6	KADAVAKOLLU ABHIRAM	
7	THAMMALI KAVYA	
8	P NEHASREE	
9	PRAVEENA BOBBALA	
10	BATHULA RASAGNA	
11	SUSMITHA VATTIKONDA	
12	BURRA VARSHITHA	
13	VASAVI THODUPUNURI	
14	KANTHA ADITH CHANDRA	
15	KULAKARNI ADITHYA	
16	MOHAMMED AMAN FAROOQUI	
17	K CHINNA RAMUDU	
18	KOBBAIU DILEEP KUMAR	
19	KSHITESH B	
20	A MANIDEEP	
21	NABEE KHAN	
22	NAMAN GUPTA	
23	NAVID P	
24	A RASHMITH REDDY	
25	M SAI SRINIVAS	
26	V SAI SRUJAN	
27	K VINAY KUMAR	
28	CH VINEETH	
29	ZIYAD AHMED MD	
30	M ABHISHEIK	
31	D CHAKRAVARTHY	
32	V HARI KIRAN	
33	P MANIDEEP	
34	RAKESH	
35	SAITEJA VARMA	
36	R SAI KUMAR	
37	B AKSHITHA	
38	P ISHWARYA	
39	M. JHANSI	
40	K NAVEENA	
41	PRIYANKA MUDAVATH	
42	G.SADHANA	

  
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 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75

43	A.SAIKEERTHI
44	DHEERAVATH SHRAVYA
45	D HRISHIKES SAI
46	I. SANKEERTH
47	MAHESH NETHA
48	B.MAHESH REDDY
49	GURRALA NAVEEN REDDY
50	NIKHIL REDDY VAKITI
51	PAVAN PULIMAMIDI
52	SAIHARSHA REDDY P
53	SHUBHANKAR GAUR
54	P SRIKANTH
55	SRIKAR SENADHIPATHI
56	L SRIVIBHAVAN
57	S.YOGANAD SAGAR
58	AMMULU KONDETI
59	GLSV.JAHNAVI
60	T.LAVANYA
61	A.MOUNIKA NAYAK
62	SAIHARSHA REDDY P
63	T.PRIYANKA
64	A.SAI TEJASWINI
65	G.SHRINIJA
66	M.ABHIROOP
67	AKSHITH.NAGELLY
68	M ARUN KUMAR
69	BHARATH T
70	ARUMULLA DHEERAJ
71	HARSHITH MOLUGU
72	M. HIMANTH KUMAR
73	VUKANTI INDRASENA REDDY
74	M KALYAN SAI VINAY
75	KARTHIK S
76	NANAVATH KISHAN
77	YELURIPATI S V KRISHNA KARTHIK
78	VIJAGIRI MANIDEEP
79	MANIVER REDDY
80	PMS MAHAVEER
81	PAVAN L
82	RAKESH GORATI
83	TIWARI SAGAR
84	SAI DEEKSHITH.R
85	K.SAI KRISHNA
86	SAI KUMAR CHINNAM
87	AARE SAI PRANAY REDDY
88	K.SAI ROHIT
89	NARAHARI SAITEJA

  
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90	BSD.VARDHAN	
91	B.YASHWANTH	
92	YESHWANTH RAYANKULA	
93	ELLANDULA SHIVA KUMAR	
94	B MAHESH KUMAR	
95	K MALLESH	
96	A.NAREN	
97	K MALLESH	
98	P NAGARAJU	
99	YENUGANDULA RANADHEER	
100	KARNATI NAGANJANI	
101	K. AKARSH	
102	KANDUKURI SAI SHEETAL	
103	KARISHMA BEGUM	
104	ABBAGOWNI AKASH	


  
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Title of the value added course

Introductory course in Data Science and  
machine Learning Code: CBIT/19EEV003

Duration: 30 Hours


Academic year : 2019 -20

  
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## Syllabus:

- Introduction to Data Science
- Mathematical and Statistical Skills
- Machine Learning
- Artificial Intelligence
- Coding
- Applied Mathematics and Informatics
- Machine Learning Algorithms
- Data Warehousing
- Data Mining
- Data Visualization
- Cloud Computing
- Data Structures
- Scientific Computing
- Scholastic Models
- Project Deployment Tools
- Predictive Analytics and Segmentation
- Exploratory Data Analysis


Period	1	2	3	L	4	5	6
Time	9.10 to 10.10	10.10 to 11.10	11.15 to 12.15	U N C	1.00 to 2.00	2.00 to 3.00	3.05 to 4.05
MON				H			
TUE		Introductory course in Data Science and machine Learning		B			
WED				R			
THU				E			
FRI				A			
SAT				K			

  
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Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Introductory course in Data Science and machine Learning	CBIT/16MB C01	2018-19	1		11	11

### List of participants

SNO	Registered & completed student Name	Total no. of students registered & completed
1	U Smridhi	11
2	Kusa YAMINI	
3	V ABINAV VARMA	
4	KADAMALLA PRAPUL	
5	MATUPALLI RAMAKRISHNA SAI	
6	SUMANTH SHETTY	
7	RAVALI LANKAPALLI	
8	RISHIKA DASARI	
9	Y. J.N SOWMYA	
10	MD AMAN	
11	C.H.N.S.N.S.TARUN	

  
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Title of the value added course  
Fundamentals of PV System Design  
Code: CBIT/19EEV004  
Duration: 30 Hours

Academic year: 2019 -20

  
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**Syllabus:**

- Introduction and types of substations
- Selection and sizing of Equipment's
- Bus bar arrangements
- Substation Clearances
- SLD and Layout preparation for 132/33kV Substation


<b>Period</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>L U N C H  B R E A K</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Time</b>	<b>9.10 to 10.10</b>	<b>10.10 to 11.10</b>	<b>11.15 to 12.15</b>		<b>1.00 to 2.00</b>	<b>2.00 to 3.00</b>	<b>3.05 to 4.05</b>
<b>MON</b>							
<b>TUE</b>							
<b>WED</b>					Fundamentals of PV System Design		
<b>THU</b>							
<b>FRI</b>							
<b>SAT</b>							

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Fundamentals of PV System Design	CBIT/19EEV004	2019-20	1	30 hrs.	19	19

List of participants

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75

SNO	Registered & completed student Name	Total no. of students registered & completed
1	ADUVULA ARUN	19
2	P SHIVA SAI	
3	SHIVA TEJA D	
4	L SRISANTH	
5	K CHANDRAKALA	
6	NISHITHA S	
7	SNEHA BHANDAVI	
8	G SRAVANTHI	
9	JAYANTH	
10	NAVEEN	
11	D SRI VAMSI	
12	PRAMEELA P	
13	Y VEDITHA LAKSHMI	
14	RAJENDER RUCHITDAR D	
15	A SAI NAVEEN	
16	K SURYA RAJ	
17	K SURA RAMYA	
18	P RAMYA	
19	S BHARGAVI	

  
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 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75

Title of the value added course

AWS for Electrical Engineering

Code: CBIT/19EEV005

Duration: 30 Hours

Academic year: 2019 -20

Syllabus:

  
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- Introduction and types of substations
- Selection and sizing of Equipment's
- Bus bar arrangements
- Substation Clearances
- SLD and Layout preparation for 132/33kV Substation


<b>Period</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>L U N C H  B R E A K</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Time</b>	<b>9.10 to 10.10</b>	<b>10.10 to 11.10</b>	<b>11.15 to 12.15</b>		<b>1.00 to 2.00</b>	<b>2.00 to 3.00</b>	<b>3.05 to 4.05</b>
<b>MON</b>							
<b>TUE</b>							
<b>WED</b>					AWS for Electrical Engineering		
<b>THU</b>							
<b>FRI</b>							
<b>SAT</b>							

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
AWS for Electrical Engineering	CBIT/19EEV005	2019-20	1	30 hrs.	01	01

List of participants


  
**HEAD**  
 Dept. of EEE, CBIT (A)  
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SNO	Registered & completed student Name	Total no. of students registered & completed
1	DOSAPATI CHRISTOPHER STEVEN MOSES	01

  
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Title of the value added course  
Fundamentals of Substation design  
Code: CBIT/19EEV006  
Duration: 30 Hours

Academic year: 2019 -20

  
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Gandipet, Hyderabad - 75


<b>Period</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>L U N C H  B R E A K</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Time</b>	<b>9.10 to 10.10</b>	<b>10.10 to 11.10</b>	<b>11.15 to 12.15</b>		<b>1.00 to 2.00</b>	<b>2.00 to 3.00</b>	<b>3.05 to 4.05</b>
<b>MON</b>					Fundamentals of Substation design		
<b>TUE</b>							
<b>WED</b>							
<b>THU</b>							
<b>FRI</b>							
<b>SAT</b>							

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Fundamentals of Substation design	CBIT/19EEV006	2019-20	1	30 hrs.	14	14

  
**HEAD**  
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 Gandipet, Hyderabad - 75

## List of participants

SNO	Registered & completed student Name	Total no. of students registered & completed
1	PUTLA DHARANI	14
2	A NAVEEN	
3	CH SAI RAGHU	
4	G SANJAY	
5	M YAMINI	
6	SUHAS REDDY M	
7	G TARUN	
8	N TARUN	
9	VEERAPRADYUN G	
10	K VENU	
11	G VUDYA	
12	ANIMESH	
13	B VEDAVYAS	
14	T KARTHIK	

  
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Title of the value added course

Machine learning

Code: CBIT/19ITV007

Duration: 30 Hours

Academic year: 2019 -20




**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

**Syllabus:**

- Introduction to Machine Learning
- What is Machine Learning
- How Machine Learning Works
- Types of Machine Learning – Supervised and Unsupervised
- Types of Data
- Graphical and Analytical Representation of Data
- Limitations of Traditional Data Analysis
- Introduction to Python and Installing Jupyter Notebook
- Basic Libraries in Python (Pandas, Numpy, Matplotlib)
- Understanding Basics of Python Programming (Conditional- Iterative Statements and Function)
- Basic Data Exploration
- Advanced Functions for Data Manipulation
- Context Setting and Problem Statement
- Data exploration - Target Variable
- Data Exploration - Independent Numerical Variables
- Data Exploration - Categorical Variables
- Splitting of Data
- Feature Scaling of Data
- Building Your First Predictive Model (Regression) and Evaluate Performance
- Introduction to Linear Regression
- Understanding Gradient Descent
- Assumptions of Linear Regression
- Implementing Linear Regression
- Feature Engineering
- Introduction to Dimensionality Reduction
- Common Dimensionality Reduction Techniques
- Advanced Dimensionality Reduction Techniques


Period	1	2	3	L U N C H B R E A K	4	5	6
Time	9.10 to 10.10	10.10 to 11.10	11.15 to 12.15			1.00 to 2.00	2.00 to 3.00
MON	Machine learning						
TUE							
WED							
THU							
FRI							
SAT							

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
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Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Machine learning	CBIT/19ITV007	2018-19	1	30 hrs.	1	1

### List of participants

SNO	Registered & completed student Name	Total no. of students registered & completed
1	VINUTHNA REDDY	01

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY Department of Mechanical Engineering 1.3.2 and 1.3.3 – details and proofs								
SI No	Key Indicator -1.3 Curriculum Enrichment (40)							Proof page no
	1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years (10)							
	1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above (10)							
	Year - 3 (2019-20)							
	Name of the value added courses (with 30 or more contact hours) offered during last five years	Course Code	Year of offering	No. of times offered during the same year	Year of discontinuation	Number of students enrolled in the year	Number of students completing the course in the year	
1	AI for Everyone	CBIT/19M EV001	May, 2020	1	Still Continued	1	1	3-4
2	Programming for Everybody (Getting Started with Python)	CBIT/19M EV002	May, 2020	1	Still Continued	3	3	5-6
3	Python Data Structures	CBIT/19M EV003	May, 2020	1	Still Continued	2	2	7-8
4	Numerical Methods for Engineers - NPTEL	CBIT/19M EV004	Sep-Dec 2020	1	Still Continued	1	1	9-11
5	Introduction to Engineering Mechanics	CBIT/19M EV005	May, 2020	1	Still Continued	1	1	12-14
6	Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading	CBIT/19M EV006	Aug, 2020	1	Still Continued	1	1	15-17
7	How Things Work: An Introduction to Physics	CBIT/19M EV007	June, 2020	1	Still Continued	1	1	18-19
8	Speak English Professionally: In Person, Online & On the phone	CBIT/19M EV008	June, 2020	1	Still Continued	1	1	20-21
9	A Hands-on Introduction to Engineering Simulations	CBIT/19M EV009	May, 2020	1	Still Continued	1	1	22-23
10	Learn to Design your own Solar Home System	CBIT/19M EV010	June, 2020	1	Still Continued	1	1	24-26
11	Autocad - Internshala	CBIT/19M EV011	May, 2020	1	Still Continued	1	1	27-28


  
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**Chaitanya Bharathi institute of Technolgy, Gandipet, Hyderabad**  
**Departement of Mechanical Engineering**  
**Circular**

29/11/2019

Sub : Value added courses of 2019-20 Even semester- Announcement

To enhance the knowledge in various areas beyond curriculam the MOOC courses are recommended from NPTEL, COUSERA, UDEMY etc. In this regard I am herewith forwarding the NPTEL Jan-Apr 2020 Semester Courses Information. The interested students may register for the same and the same may be intimated to the under signed so that a mentor will be allotted to you.

  
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**Head**  
**Mechanical Engineering Department**

Title of the value added course:

AI for Everyone

Code: CBIT/19MEV001

Duration: 32 hrs

Target participants: All UG students

Academic year: 2019 -20

  
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# Syllabus

- Week 1:** AI and Problem Solving by Search  
**Week 2:** Problem Solving by Search  
**Week 3:** Problem Solving by Search  
**Week 4:** Knowledge Representation and Reasoning  
**Week 5:** Knowledge Representation and Reasoning  
**Week 6:** Knowledge Representation and Reasoning  
**Week 7:** Reasoning under Uncertainty  
**Week 8:** Planning  
**Week 9:** Planning and Decision Making  
**Week 10:** Machine Learning  
**Week 11:** Machine Learning  
**Week 12:** Machine Learning

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
AI for Everyone	CBIT/19MEV001	2019-20	1	32 hrs	1	1

  
 P. Shetty  
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Title of the value added course:

**Programming for Everybody  
(Getting Started with Python)**

Code: CBIT/19MEV002

Duration: 32 hrs

Target participants: All UG students

Academic year: 2019 -20

  
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# Syllabus

These are the course-wide materials as well as the first part of Chapter One where we explore what it means to write programs. We finish Chapter One and have the quiz and first assignment in the third week of the class. In this module you will set things up so you can write Python programs. Not all activities in this module are required for this class so please read the "Using Python in this Class" material for details.

In the first chapter "big picture" of programming will be covered. This chapter is quite broad and you would benefit from reading the chapter in the book in addition to watching the lectures to help it all sink in. You might want to come back and re-watch these lectures after you have finished a few more chapters.

In this chapter we cover how a program uses the computer's memory to store, retrieve and calculate information.

## Modules:

Programming for Everybody

The syllabus is a combination of different types of knowledge, (concepts, processes, contexts) skills and values, and includes the following:

Structure and components of programming languages


Programming Fundamentals: Variables, Procedures and Subroutines

Decision Making: If then statements

Loops: For Loop and While Loops

Data Structures: Lists and Strings

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Programming for every body	CBIT/19MEV002	2019-20	1	32 hrs	1	1

  
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Title of the value added course:

**Python Data Structures**

Code: CBIT/19MEV003

Duration: 32 hrs

Target participants: All UG students

Academic year: 2019 -20

  
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# Syllabus

## Python for data structures

Week 01 : Informal introduction to programming, algorithms and data structures via gcd, Downloading and installing Python, gcd in Python: variables, operations, control flow - assignments, condition-als, loops, functions.

Week 02 : Python: types, expressions, strings, lists, tuples | Python memory model: names, mutable and immutable values | List operations: slices etc| Binary search | Inductive function definitions: numerical and structural induction | Elementary inductive sorting: selection and insertion sort | In-place sorting.

Week 03 : Basic algorithmic analysis: input size, asymptotic, complexity,  $O()$  notation | Arrays vs lists | Merge sort | Quicksort | Stable sorting.

Week 04 : Dictionaries | More on Python functions: optional arguments, default values | Passing functions as arguments | Higher order functions on lists: map, lter, list comprehension.

Week 05 : Exception handling | Basic input/output | Handling files | String processing.

Week 06 : Backtracking: N Queens, recording all solutions | Scope in Python: local, global, nonlocal names | Nested functions | Data structures: stack, queue | Heaps.

Week 07 : Abstract datatypes | Classes and objects in Python | "Linked" lists: find, insert, delete | Binary search trees: find, insert, delete | Height-balanced binary search trees.

Week 08 : Efficient evaluation of recursive definitions: memoization | Dynamic programming: examples | Other programming languages: C and manual memory management | Other programming paradigms: functional programming.

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Python for data structures	CBIT/19MEV003	2019-20	1	32hrs	1	1

  
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Title of the value added course:


**Numerical Methods for Engineers**

Code: CBIT/19MEV004

Duration: 36 hrs

Target participants: All UG students

Academic year: 2019 -20

  
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# Syllabus

## NUMERICAL METHODS FOR ENGINEERS

### COURSE OUTLINE :

The development of fast, efficient and inexpensive computers has significantly increased the range of engineering problems that can be solved reliably. Numerical Methods use computers to solve problems by step-wise, repeated and iterative solution methods, which would otherwise be tedious or unsolvable by hand-calculations. This course is designed to give an overview of numerical methods of interest to scientists and engineers. However, the focus being on the techniques themselves, rather than specific applications, the contents should be relevant to varied fields such as engineering, management, economics, etc.

### COURSE PLAN :

Week-1: Introduction & Approximations Motivation and Applications

Accuracy and precision; Truncation and round-off errors; Binary Number System; Error propagation

Week-2: Linear Systems and Equations Matrix representation; Cramer's rule; Gauss Elimination; Matrix Inversion; LU Decomposition;

Week-3: Linear Systems and Equations Iterative Methods; Relaxation Methods; Eigen Values

Week-4: Algebraic Equations: Bracketing Methods Introduction to Algebraic Equations Bracketing methods: Bisection, Reguli-Falsi;

Week-5: Algebraic Equations: Open Methods Secant; Fixed point iteration; Newton-Raphson; Multivariate Newton's method

Week-6: Numerical Differentiation Numerical differentiation; error analysis; higher order formulae

Week-7: Integration and Integral Equations Trapezoidal rules; Simpson's rules; Quadrature

Week-8: Regression Linear regression; Least squares; Total Least Squares;

Week-9: Interpolation and Curve Fitting Interpolation; Newton's Difference Formulae; Cubic Splines

Week-10: ODEs: Initial Value Problems Introduction to ODE-IVPEuler's methods; Runge-Kutta methods; Predictor-corrector methods;

  
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Week-11: ODE-IVP (Part-2) Extension to multi-variable systems; Adaptive step size; Stiff ODEs

Week-12: ODEs: Boundary Value Problems Shooting method; Finite differences; Over/Under Relaxation (SOR)

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Numerical Methods For Engineers	CBIT/19MEV004	2019-20	1	36hrs	1	1

  
 P. Sreeddy  
 PROFESSOR & HEAD  
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 Chaitanya Bharathi Institute of Technology (A)  
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Title of the value added course:

**Introduction to Engineering Mechanics**

Code: CBIT/19MEV005

Duration: 32 hrs

Target participants: All UG students

Academic year: 2019 -20

  
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# Syllabus

## Introduction to Engineering Mechanics

### COURSE OUTLINE:

This is a basic first level course to learn rigid body mechanics covering both statics and dynamics. Statics covers free body diagrams, equilibrium of rigid bodies, analysis of trusses and beams, discussion on friction, virtual work and stability. Dynamics deals with general plane motion of rigid bodies, use of translating and rotating frames of reference for analysis, plane kinetics and 3D kinematics.

### COURSE PLAN :

Week 1: Introduction and Force Systems

Week 2: Equilibrium of Rigid Bodies and Introduction to Trusses

Week 3: Analysis of Trusses and Introduction to Beams

Week 4: Analysis of Beams

Week 5: Virtual work and Energy relations

Week 6: Review so far and Friction

Week 7: Belt friction, Review of particle dynamics, Circular motion

Week 8: Plane kinematics of rigid bodies, absolute motion and relative motion

Week 9: Instantaneous centre, Rotating frame of reference

Week 10: Choice of rotating frame and understanding Coriolis acceleration

Week 11: Plane kinetics

Week 12: 3D kinematics

  
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Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Introduction to Engineering Mechanics	CBIT/19MEV005	2019-20	1	32hrs	1	1

  
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Title of the value added course:

**Mechanics of Materials I: Fundamentals of Stress &  
Strain and Axial Loading**

Code: CBIT/19MEV006

Duration: 36 hrs

Target participants: All UG students

Academic year: 2019 -20

  
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# Syllabus

## Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading

### COURSE OUTLINE :

This first course in mechanics of deformable bodies introduces the four concepts – Force, stress, strain, displacement – and the four equations that connect them, namely equilibrium equations, constitutive relation, compatibility condition and strain displacement relation. Systematic procedure to solve problems of engineering interest is outlined. In particular, force and displacement relation of structural elements subjected to uniaxial stress, bending, twisting and inflation is studied. Estimation of possible modes of failure of these structural elements and the failure load is outlined.

### COURSE PLAN :

Week 1: Mathematical Preliminaries

Week 2: Concept of Force, Displacement and stress

Week 3: Transformation of stress and equilibrium equation

Week 4: Concept of strain

Week 5: Governing equations in mechanics

Week 6: Displacement due to uniaxial loading, temperature and bending

Week 7: Stresses and deflection in homogeneous beams loaded about one principal axis

Week 8: Stresses and deflection in beams loaded about principal axis

Week 9: Stresses and deflection in beams not loaded about principal axis

Week 10: Stresses and displacement due to torsion

Week 11: Pressure vessels and Failure criteria

Week 12: Buckling

  
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Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading	CBIT/19MEV006	2019-20	1	36 hrs	1	1

  
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Title of the value added course:


**How Things Work: An Introduction to Physics**

Code: CBIT/19MEV007

Duration: 30 hrs

Target participants: All UG students

Academic year: 2019 -20


  
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# Syllabus

## How Things Work: An Introduction to Physics

the principle of inertia through skate boarding. Objects at rest tend to remain at rest while objects in motion, tend to remain in motion. Why does a stationary skater remain stationary? Why does a moving skater tend to continue moving? How can we describe the fluid, effortless motion of a coasting skater? How does a skater start, stop, or turn? Why does a skater need ice or wheels in order to skate? Physics concepts covered include Newton's first and second laws and 5 physical quantities: position, velocity, acceleration, force, and mass.

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
How Things Work: An Introduction to Physics	CBIT/19MEV007	2019-20	1	30hrs	1	1

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

Title of the value added course:

**Speak English Professionally: In Person, Online & On  
the phone**

Code: CBIT/19MEV008

Duration: 30hrs

Target participants: All UG students

Academic year: 2019 -20

  
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# Syllabus

## Speak English Professionally: In Person, Online & On the phone

### Communicate in Person: The Power of Face to Face Connections

Through the lessons this module, you will be able to work on professional conversational vocabulary and proper word stress and intonation. After the final lesson you will be able to present a short "Elevator Speech."

### Meet and Talk Online

This module looks at group discussion situations with the focus on video conferencing. By looking at various scenarios, you will learn key language for group discussion as well as gain some business etiquette.

### Powerful Phone Talk

In this module, you will improve language use and pronunciation for phone conversations. Trickier pronunciation distinctions in can/can't and numbers will be the focus for pronunciation.

### Keys to a Strong Interview

Through the lessons in this module, you will be able to prepare yourself better for an interview in English. The three lesson will focus on improving your body language, pronunciation for -ed and -s ending words, and a practice interview questions.

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Speak English Professionally: In Person, Online & On the phone	CBIT/19MEV008	2019-20	1	30hrs	1	1

  
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Title of the value added course:

**A Hands-on Introduction to Engineering Simulations**

Code: CBIT/19MEV009

Duration: 30hrs

Target participants: All UG students

Academic year: 2019 -20

  
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# Syllabus

## A Hands-on Introduction to Engineering Simulations

### Prerequisites:

- High school physics including Newton's second law
- Differential and integral calculus
- Basic matrix algebra

### Contents

- Big ideas in finite-element analysis and computational fluid dynamics
- Fluid dynamics simulations using Ansys Fluent™
- Structural mechanics simulations using Ansys Mechanical™
- Mathematical models underlying simulations
- Building simulations of real-world applications using Ansys® software
- Verification and validation of simulations including checking against hand calculations
- How to approach engineering analysis and simulations like an expert

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
A Hands-on Introduction to Engineering Simulations	CBIT/19MEV009	2019-20	1	30hrs	1	1

  
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Title of the value added course:

**Learn to Design your own Solar Home System**

Code: CBIT/19MEV010

Duration: 30hrs

Target participants: All UG students

Academic year: 2019 -20

  
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# Syllabus

## Learn to Design your own Solar Home System

- Understand how PV cells work
- Learn the difference between parallel and series connection of PV cells
- Understand the advantages and disadvantages of PV cells
- Understand difference between solar cells, modules and arrays
- Learn about the different types of solar cells and their efficiency
- Understand the effect of temperature and insolation on power
- Learn about different methods of charge controllers
- Learn about half cell technology in PV system
- Understand the grid connected system , its components ,advantages and disadvantages
- Understand the off grid system , its components ,advantages and disadvantages
- Learn how to determine PV array maximum system voltage
- Understand the junction box
- Learn how to wire the junction box
- Learn how to size your PV system
- Learn how to determine power consumption demands
- Learn how to size the PV modules
- Learn how to size your inverter
- Understand how to size your battery
- Understand how to size your solar charge controller
- Learn how to size your MPPT charge controller
- Learn about protection of PV system
- Understand how to select fuses to protect strings
- Learn the protection of arrays
- Understand difference between 3 busbars and 5 busbars
- Select the AC busbar and DC Busbar
- Understand the Protection devices for Transformer
- Understand the Inverter Protection
- Learn the grounding of PV system and solar kit
- Understand the surge protection device
- Learn on grid system design by hand calculations.
- Understand how to design on grid system by PVsyst program.
- Understand how to design off grid system by PVsyst program.
- Design an off grid system
- Learn about construction and types of batteries

  
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- Learn how to charge of Lead acid batteries and hydrometer usage
- Learn the maintenance of batteries and methods of charging
- Understand cycle of batteries
- Understand the importance of charge controller
- Select and understand datasheet of the panel
- How to select inverter
- Calculate PV energy according to area
- Understand shading and tilt angle
- Learn mounting of PV system

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Learn to Design your own Solar Home System	CBIT/19MEV010	2019-20	1	30hrs	1	1

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

Title of the value added course:


Autocad - Internshala

Code: CBIT/19MEV011

Duration: 30hrs

Target participants: All UG students

Academic year: 2019 -20

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

# Syllabus

## Autocad - Internshala


**Interface, Drawing Aids & Basic Objects:** Getting Started , Introduction to interface Units and limits, Creating Lines Points, Circle and Arcs Methods to Achieve Precision, Selecting objects, Select and understand datasheet of the panel, How to select inverter, Calculate PV energy according to area, Understand shading and tilt angle

**Complex Objects & Object editing:** Editing commands, Polylines, Rectangles, Polygons and Ellipses ,Grip Editing, Normal and associative arrays, Properties and Properties panel , layers

**Blocks & Annotations:** Blocks Hatching Text and formatting Tables Isometric planes and drawing

**Plotting & Introduction to 3D :** Dimensions Plotting Introduction to 3D Creating 3D Model

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Autocad - Internshala	CBIT/19MEV011	2019-20	1	30hrs	1	1


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

**TITLE OF THE VALUE ADDED COURSE**  
Engineering Economics and Accountancy

Code: CBIT/ 18MBC01

Duration: 30 Hours

Academic year: 2020-21

  
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Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75



# Syllabus

18MB C01

## ENGINEERING ECONOMICS AND ACCOUNTANCY

Instruction	3 L Hours per week
Duration of SEE	3 Hours
SEE	70 Marks
CIE	30 Marks
Credits	3

### Course Objectives:

This course aims to:

1. To demonstrate the importance of Managerial Economics in Decision Making.
2. To explain the concept of Accountancy and provide basic knowledge on preparation of Final accounts.
3. To understand the importance of Project Evaluation in achieving a firm's Objective.

### Course Outcomes:

After completion of the course, student will be able to:

1. Apply fundamental knowledge of Managerial Economics concepts and tools.
2. Analyze various aspects of Demand Analysis, Supply and Demand Forecasting.
3. Understand Production and Cost relationships to make best use of resources available.
4. Apply Accountancy Concepts and Conventions and preparation of Final Accounts.
5. Evaluate Capital and Capital Budgeting decision based on any technique.

### Unit-I

#### Introduction to Managerial Economics

Introduction to Economics and its evolution - Managerial Economics - its Nature and Scope, Importance; Relationship with other Subjects. Its usefulness to Engineers; Basic concepts of Managerial economics - Incremental, Time perspective, Discounting Principle, Opportunity Cost, Equimarginal Principle, Contribution, Negotiation Principle.

### Unit-II

#### Demand and Supply Analysis

Demand Analysis - Concept of Demand, Determinants, Law of demand - Assumptions and Exceptions; Elasticity of demand - Price, Income and Cross elasticity - simple numerical problems; Concept of Supply - Determinants of Supply, Law of Supply; Demand Forecasting - Methods.

### Unit-III

#### Production and Cost Analysis

Theory of Production - Production function - Isoquants and Isocosts, MRTS, Input-Output Relations; Laws of returns; Internal and External Economies of Scale.

Cost Analysis: Cost concepts – Types of Costs, Cost-Output Relationship – Short Run and Long Run; Market structures – Types of Competition, Features, Price Output Determination under Perfect Competition, Monopoly and Monopolistic Competition; Break-even Analysis – Concepts, Assumptions, Limitations, Numerical problems.


### Unit-IV

#### Accountancy

Book-keeping, Principles and Significance of Double Entry Book Keeping, Accounting Concepts and Conventions, Accounting Cycle, Journalization, Subsidiary books, Ledger accounts, Trial Balance concept and preparation of Final Accounts with simple adjustments. Ratio Analysis.


### Unit-V

**Capital and Capital Budgeting:** Capital and its Significance, Types of Capital, Estimation of Fixed and Working capital requirements, Methods and sources of raising finance. Capital Budgeting, Methods: Traditional and Discounted Cash Flow Methods - Numerical problems.

  
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## Time Table

Brach: EEE							
Day	9:10 - 10:10	10:10- 11:10	11:15- 12:15	12:15- 13:00	13:00- 14:00	14:00- 15:00	15:05- 16:05
Monday				<b>LUNCH</b>			
Tuesday							
Wednesday	Engineering Economics and Accountancy						
Thursday							
Friday							
Saturday							


  
**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

**List of Participants**


<b>S. No</b>	<b>Registered and completed student name</b>	<b>Total no.of students Registered and completed</b>
1.	K ABHIRAM	131
2.	G JASWANTH KUMAR YADAV	
3.	PULIPATI KAUSHAL	
4.	KUMMARI CHANDRAKALA	
5.	PUTLA DHARANI	
6.	GUJJA INDRANI	
7.	KAVYA TAMMALI	
8.	CHIMARLA KEERTHANA	
9.	SOLIPURAM KEERTHANA REDDY	
10.	KHYATI BHAREDWAJ	
11.	JAGATHKARI LAXMIPRIYA	
12.	KASHA MAHATHI	
13.	MYAKA MANIDEEPIKA REDDY	
14.	NAZIYA BEGUM	
15.	P NEHASREE	
16.	PRAVEENA BOBBALA	
17.	BAKKAREDDY PRIYANKA	
18.	ERPULA RANI	
19.	BATTULA RASAGNA	
20.	KANDANELLY SAHITHI PRIYA RATHOD	
21.	DARAPU SAI AKSHAYA	
22.	SHIVARATHRI SRAVANI	
23.	NARAYANA SRINIDHI REDDY	
24.	VATTIKONDA SUSHMITHA	
25.	SANIKOMMU VAISHNAVI	
26.	BURRA VARSHITHA	
27.	THODUPUNURI VASAVI	
28.	GUTHA VINUTHNA REDDY	
29.	KANTHALA ADITH CHANDRA	
30.	KULAKARNI ADITHYA	
31.	MOHAMMED AMAAN FAROOQUI	

  
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32.	K CHINNA RAMUDU
33.	KOBBAI DILEEP KUMAR
34.	KSHITEISSH BHARADWAJ
35.	AGGADI MANI DEEP
36.	NABEEL KHAN
37.	NAMAN GUPTA
38.	AMANCHI NAVEEN
39.	NAVID PABANI
40.	NARAYANA NITHIN
41.	GUGGILLA RAGHAVESHWAR
42.	MOTUPALLI RAMA KRISHNA SAI
43.	ARRA RASHMITH REDDY
44.	CHILLAMCHARLA SAI RAGHU
45.	D SAI SIDHARTH KASHYAP
46.	MOTHUKURI SAI SRINIVAS
47.	VANGALA SAI SRUJAN
48.	GUDIMALLA SANJAY
49.	M SHANMUKHESH
50.	BOGE SIDDARTH
51.	M SUHAS REDDY
52.	G TARUN
53.	NUGURI TARUN
54.	VEERAPRADYUN GONUGONDLA
55.	KALVA VENU
56.	KATAKAM VINAY KUMAR
57.	CHENNA VINEETH
58.	VISHWAS P
59.	ZIYAD AHMED MOHAMMED
60.	BIRRU VEDAVYAS
61.	T KARTHIK
62.	MUNJA YAMINI
63.	RAMAVATH SAIKUMAR
64.	AJAY KUMAR SAHANI
65.	KURMA RAVI

  
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66.	NAREN KUMAR A
67.	KONDETI AMMULU
68.	GUDURI LAKSHMI SRI VENKATA JAHNAVI
69.	LAVANYA TELAPUDI
70.	AMGOTH MOUNIKA NAYAK
71.	A NEHA SARASWATHI
72.	TUPPATHI PRIYANKA
73.	RAVALI L
74.	DASARI RISHIKA
75.	A SAI TEJASWINI
76.	GILAKATHULA SHRINIJA
77.	Y J M SOWMYA
78.	ABHILASH BUDHARAPU
79.	MANIKONDA ABHIROOP
80.	NAGELLY AKSHITH
81.	M ARUN KUMAR
82.	TODUPUNOORI BHARATH
83.	ARUMULLA DHEERAJ
84.	HARSHITH MOLUGU
85.	MATHALAPURAM HIMANTH KUMAR
86.	VUKANTI INDRASENA REDDY
87.	M KALYAN SAI VINAY
88.	S KARTHIK
89.	NANAVATH KISHAN
90.	CHOPPAKATLA KOUSHIK
91.	YELURIPATI S V KRISHNA KARTHIK
92.	VIJAGIRI MANIDEED
93.	G MANIKANTH REDDY
94.	TUMMALA MANIVER
95.	CHINDAM MANOJ KUMAR
96.	MOHAMMED AMAAN
97.	PASUPULETI MOHIT SRINIVAS MAHAVEER
98.	P PHANI MUDIGONDA
99.	LAVUDYA PAVAN

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
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100.	DHARMOJU PAVAN KUMAR
101.	RAMAGIRI POOJITH
102.	RAKESH GORATI
103.	G RAKESH GOUD
104.	T SAGAR
105.	R SAI DEEKSHITH
106.	KAVALI SAI KRISHNA
107.	VOGGU SAI KRISHNA
108.	CHINNAM SAI KUMAR
109.	AARE SAI PRANAY REDDY
110.	SAI ROHIT KAPPALA
111.	NARAHARI SAI TEJA
112.	KUNREDDY SHYAM SUNDER REDDY
113.	D SRINIVASA REDDY
114.	K SURYA RAJ
115.	CHITTI SURYATEJA REDDY
116.	BANDARI SWAMY DEVENDER VARDHAN
117.	NULIGONDA VASHIST
118.	V VISWANATH REDDY
119.	A S N YASHWANTH
120.	B YASHWANTH
121.	RAYANKULA YESHWANTH
122.	D RATHANAKAR REDDY
123.	K MALLESH
124.	P NAGARAJU
125.	YENUGANDULA RANADHEER
126.	KARNATI NAGANJANI
127.	KOTHAKONDA AKARSH
128.	AMBATI ANIL KUMAR
129.	KANDUKURI SAI SHEETAL
130.	KARISHMA BEGUM
131.6	ABBAGOWNI AKASH

  
**HEAD**  
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 Gandipet, Hyderabad - 75

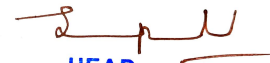
**TITLE OF THE VALUE ADDED COURSE**

Basics of Cyber Security (BCS)

Code: CBIT/ 18CSO07

Duration: 30 Hours


Academic year: 2020-21



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## Time Table

Brach: EEE							
Day	9:10 - 10:10	10:10- 11:10	11:15- 12:15	12:15- 13:00	13:00- 14:00	14:00- 15:00	15:05- 16:05
Monday	Basics of Cyber Security (BCS)			LUNCH			
Tuesday							
Wednesday							
Thursday							
Friday							
Saturday							


  
**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75




## List of Participants

S. No	Name of the Student
1.	G JASWANTH KUMAR YADAV
2.	PULIPATI KAUSHAL
3.	KUMMARI CHANDRAKALA
4.	PUTLA DHARANI
5.	GUJJA INDRANI
6.	KAVYA TAMMALI
7.	CHIMARLA KEERTHANA
8.	SOLIPURAM KEERTHANA REDDY
9.	JAGATHKARI LAXMIPRIYA
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11.	MYAKA MANIDEEPIKA REDDY
12.	P NEHASREE
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14.	BATTULA RASAGNA
15.	DARAPU SAI AKSHAYA
16.	SHIVARATHRI SRAVANI
17.	NARAYANA SRINIDHI REDDY
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20.	THODUPUNURI VASAVI
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23.	KULAKARNI ADITHYA
24.	MOHAMMED AMAAN FAROOQUI
25.	K CHINNA RAMUDU
26.	KOBBAI DILEEP KUMAR
27.	AGGADI MANI DEEP
28.	NABEEL KHAN
29.	NAMAN GUPTA


30.	AMANCHI NAVEEN
31.	NAVID PABANI
32.	GUGGILLA RAGHAVESHWAR
33.	MOTUPALLI RAMA KRISHNA SAI
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37.	M SHANMUKHESH
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42.	CHENNA VINEETH
43.	VISHWAS P
44.	ZIYAD AHMED MOHAMMED
45.	MUNJA YAMINI
46.	RAMAVATH SAIKUMAR
47.	SHAIK NEHA GULSHAN
48.	PAPIGARI AKSHAY KUMAR
49.	BHARGAVI SINGAJOGI
50.	CHELLA MEENAKSHI S
51.	LOHITHA REDDY ANNADI
52.	MANASVINI KOTTAPALLY
53.	SURUKANTI NISHITHA
54.	NISHMA REDDY KASTURI
55.	RACHEL A
56.	RISHITHA ARIKOTLA
57.	SAI VARSHA MAKTHAL
58.	SANDHYA KORRA
59.	THUMU SNEHA BHANDHAVI
60.	SOUMYA BANDLA

  
**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

61.	GUDIVENUKA SRAVANTHI
62.	SADINENI SRAVANTHI
63.	SANKARNENI SRAVYA
64.	SREE VIDYA GOLLA
65.	SUNITHA RANI PITLA
66.	KURMA RAVI
67.	UMMAY SALMA
68.	M ABHISHEK
69.	MUTHYALA ABHISHEKH
70.	AJAY GUNNALA
71.	MORE AKSHAY
72.	CHAKRAVARTHY DANGATLA
73.	CHERUPALLY CHARAN KUMAR
74.	DINESH BUKYA
75.	HARI KIRAN VAGIRI
76.	JAYANTH DARAMALLA
77.	JEEVAN KUMAR G
78.	PANDULA MANIDEEP
79.	RAKESH ANNAM
80.	SAILLOKESH REDDY NANDAVARAPU
81.	KOTHAKONDA SAI TEJA
82.	SAIKIRAN KOLLOJU
83.	LAKKARSU SAITEJA VARMA
84.	SOHAN KUMAR RUSTUMPET
85.	SRI SAI WENKAT NIZAMPATNAM
86.	SRI VAMSI DEEVI
87.	SRINIVAS GAURAV JAMALPUR
88.	MUTHYALA SUJITH REDDY

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75

89.	SUMANTH SETTY
90.	DODDI UDAY SHANKAR
91.	VENKATA MANIKANTA SAI AMALAKANTI
92.	THADURI VENKATESH BABU
93.	BODDU YESHWANTH KUMAR
94.	VENKANNAGARI YOGESH
95.	DOKILE UMESH
96.	RAYABARAPU NAVYA
97.	VADDADI VIKAS
98.	NENAVATH PRASHANTH
99.	GANASALA HEPSIBA RANI
100.	P CHAKRADHAR

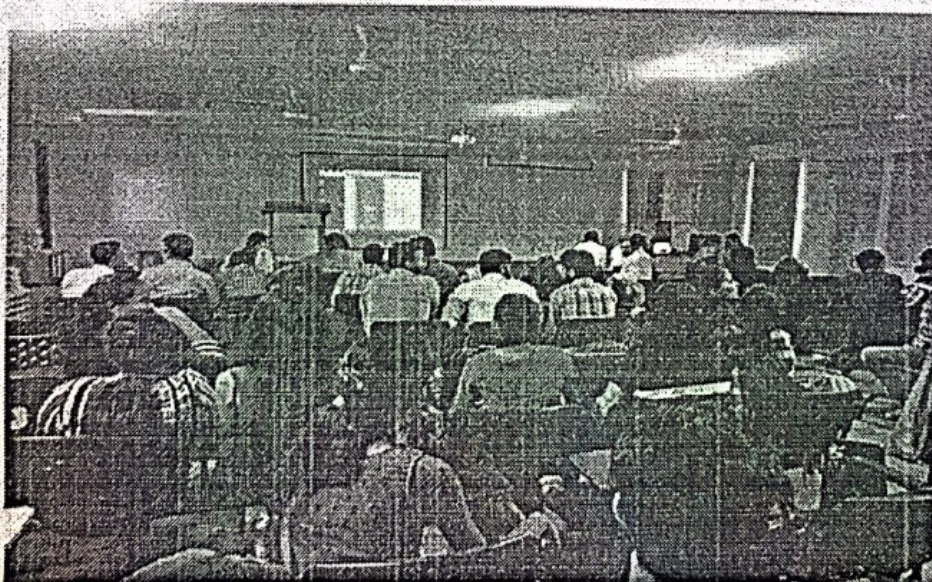
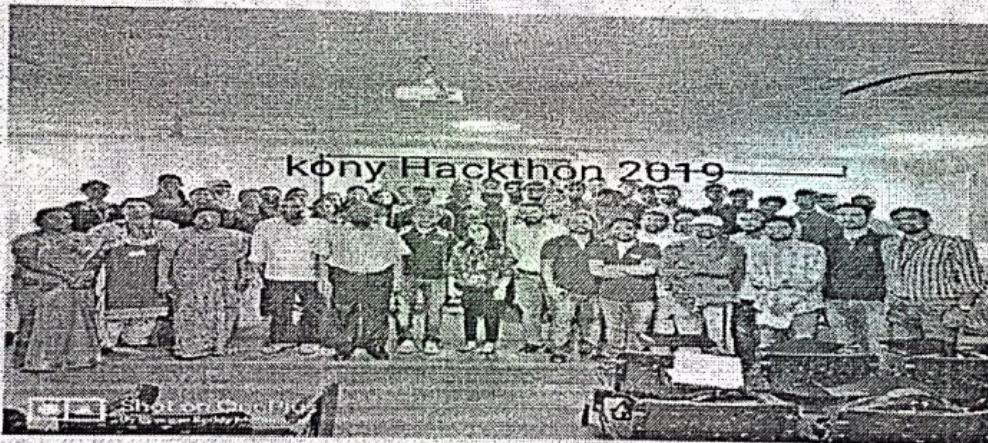
  
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**A Report on Kony Hackathon App Challenge 2019 organized in  
CBIT  
during 18.02.2019 to 20.02.2019**

**A Report on Kony Hackathon App Challenge  
2019  
organized in CBIT during 18.02.2019 to 20.02.2019  
Staff Coordinator: Smt G.VANITHA  
Asst Professor CSE Dept**

**A Report on Kony Hackathon App Challenge 2019 organized in  
CBIT  
during 18.02.2019 to 20.02.2019**

**Some Pictures covered during Hackathon:**



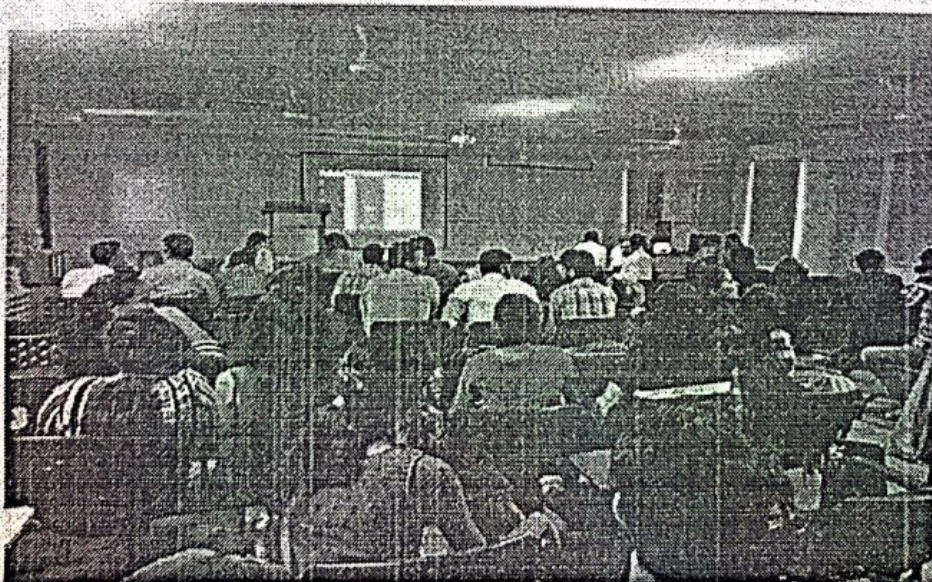
Name of the faculty	Title	Description	Resource Person	Type of Training	Training Methodology	Total No. of Participants	Duration	Place	Month & Year
Vanitha Guda, Coordinator	Three day KonyHackathon	Student Hackathon					3days	CBIT(A)	18 <sup>th</sup> -20 <sup>th</sup> FEB, 2019

**A Report on Kony Hackathon App Challenge 2019 organized in  
CBIT  
during 18.02.2019 to 20.02.2019**

**A Report on Kony Hackathon App Challenge  
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Staff Coordinator: Smt G.VANITHA  
Asst Professor CSE Dept**

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**Some Pictures covered during Hackathon:**



Name of the faculty	Title	Description	Resource Person	Type of Training	Training Methodology	Total No. of Participants	Duration	Place	Month & Year
Vanitha Guda, Coordinator	Three day KonyHackathon	Student Hackathon					3days	CBIT(A)	18 <sup>th</sup> -20 <sup>th</sup> FEB, 2019



**TITLE OF THE VALUE ADDED COURSE**

Machine Learning Using Python

Code: CBIT/ 18CSO07

Duration: 30 Hours


Academic year: 2020-21



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Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75


## Time Table

Brach: EEE							
Day	9:10 - 10:10	10:10- 11:10	11:15- 12:15	12:15- 13:00	13:00- 14:00	14:00- 15:00	15:05- 16:05
Monday				<b>LUNCH</b>			
Tuesday							
Wednesday							
Thursday							
Friday							
Saturday							Machine Learning Using Phyton


  
**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

**List of Participants**

<b>S.NO</b>	<b>Registered and completed student name</b>	<b>Total no.of students Registered and completed</b>
1.	KETHAVATH HEMACHANDRA NAIK	53
2.	MUKKA LAVANYA	
3.	SURYA ARUNKUMAR GOUD	
4.	BALAKRISHNA REDDY K	
5.	GAINI BARGAV CHAITANYA	
6.	YASA INDRA KUMAR REDDY	
7.	LALITH CHANDRIL REDDY M	
8.	SUREPALLI MUKESH	
9.	PAVAN P	
10.	ANKATHI RAVIVARMA	
11.	RUTHVIK P	
12.	SAI NIKHIL RAO G	
13.	ARIMANDA SAI SASANK REDDY	
14.	SAI SUNAYAN G	
15.	SAIDEBAJI SK	
16.	SHIVA CHARAN PRASAD J	
17.	SUDHEER A	
18.	THARUN R	
19.	VIDHYASAGAR J	
20.	M SHARATH	
21.	JAKKULA VINAY	
22.	MOHAMMAD NAJEEB UR RAHAMAN	
23.	GUDELLI SHIVA KUMAR	
24.	PULLA RAJU	
25.	MUDEDLA SHRUTHI	
26.	SAPPIDI PAVAN KALYAN	
27.	AKANKSHA REDDY A	
28.	ALEKHYA UPPUTURI	
29.	ANUHYA B	
30.	CHINTHAKINDI RAMANI	
31.	BADETI RATNA MANJUSHA	

  
**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

32.	SAI KRITHI J
33.	SANJANA S
34.	BHATTA SRI RAGA
35.	SRICHANDANA K
36.	ANDRUS SANATH ROY O
37.	GADDAM ARUNTEJA
38.	LENKALAPELLI BALAJI
39.	TELLA BHARATH KUMAR
40.	GOKUL CHANDRA P
41.	HARISH T
42.	KIRAN KUMAR T
43.	NIKHIL KUMAR G
44.	PRANAY P
45.	PRUTHVI RAJ A
46.	RAHUL B
47.	VENKATESH CH
48.	VIJAY ASHRITH KUMAR B
49.	YASH SHARMA
50.	MUTHYALA RISHIKESH
51.	ALLAM SRIJA
52.	BHUKYA BALRAM
53.	REDDYPELLI SUPRITHA

  
**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75


**TITLE OF THE VALUE ADDED COURSE**

Industrial Administration and Financial Management (IAFM)

Code: CBIT/ 16 ME O08

Duration: 30 Hours

Academic year: 2020-21

  
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Gandipet, Hyderabad - 75

**16ME 008****INDUSTRIAL ADMINISTRATION AND FINANCIAL MANAGEMENT**

Instruction	3 Hours per week
Duration of Semester End Examination	3 Hours
Semester End Examination	70 Marks
CIE	30 Marks
Credits	3

**Objectives:** Students able to learn

1. Various types of business organizations and organization structures and importance of plant location and plant layout.
2. Importance of industrial engineering techniques like method study and work measurement.
3. The significance of quality control and production planning and control
4. The importance of project management techniques
5. The total cost of a product based on elements of cost

**Outcomes:** At the end of the course, the students will be able to

1. Understand the role of different types of business organizations along with the need and importance of various types of layouts used in manufacturing industries
2. Apply the techniques of method study and work measurement in industry to enhance productivity
3. Understand the importance of quality control and plot the control charts
4. Apply the techniques of project management in industry
5. Calculate the total cost of the product based on its elements.

**UNIT-I**

**Industrial Organization:** Definition of an organization, types of various business organizations, organization structures and their relative merits and demerits, functions of management.

**Plant location and layouts:** Factors affecting the location of plant and layout, types of layouts and their merits and demerits.

**UNIT-III**

**Inspection and quality control:** Types and objectives of inspection, S.Q.C., its principles. Quality control chart and sampling plans, quality circles, introduction to ISO.

**Production planning and control:** Types of manufacture, types of production, principles of PPC and its function, production control charts.

**UNIT-IV**

**Optimization:** Introduction to linear programming and graphical solutions, assignment problems.

**Project Management:** Introduction to CPM and PERT, determination of critical path.

**Material Management:** Classification of materials, materials planning, duties of purchase manager, determination of economic ordering quantities, types of materials purchase.

**UNIT-V**

**Cost accounting:** Elements of cost, various costs, types of overheads, break even analysis and its applications, depreciation, methods of calculating depreciation fund, nature of financial management, time value of money, techniques of capital budgeting and methods, cost of capital, financial leverage.

**Text Books:**


1. Pandey I.M. , "Elements of Financial Management", Vikas Publ. House, New Delhi, 1994.
2. James C Van Horne, John M Wachowicz, Jr., "Fundamentals of Financial Management", 13/e, Prentice Hall Financial Times.
3. Khanna O.P., "Industrial Engineering and Management", Dhanapat Rai & Sons.

**Suggested Reading:**

1. S.N. Chary, "Production and Operations Management", 3/e, Tata McGraw Hill, 2006.
2. Paneer Selvam, "Production and Operations Management", Pearson Education, 2007.
3. Joseph Monk, "Operations Management", TMH Publishers, New Delhi, 2004.

**Time Table**


<b>Brach: EEE</b>							
<b>Day</b>	<b>9:10 - 10:10</b>	<b>10:10- 11:10</b>	<b>11:15-12:15</b>	<b>12:15- 13:00</b>	<b>13:00- 14:00</b>	<b>14:00- 15:00</b>	<b>15:05- 16:05</b>
<b>Monday</b>				<b>LUNCH</b>			
<b>Tuesday</b>							
<b>Wednesday</b>							
<b>Thursday</b>							
<b>Friday</b>							
<b>Saturday</b>			<b>Industrial Administration and Financial Management (IAFM)</b>				

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75




**List of Participants**

S.NO	Registered and completed student name	Total no.of students Registered and completed
1.	ISMAIL AHMED	39
2.	BOYINI AKANKSHA YADAV	
3.	MAMILLAPALLY GAYATHRI	
4.	GEETHA BHARGAVI K	
5.	KEERTHI REDDY K	
6.	MUKKA LAVANYA	
7.	MOUNIKA G	
8.	PRADEEPA CH	
9.	SAI PRIYANKA T	
10.	SHAIK AISHA	
11.	SHASHIKALA M	
12.	SHIVANI RAJU T	
13.	SHRAVYA M	
14.	GADDAMIDI SHRUTHI REDDY	
15.	TAKKOLI SHRUTHI SRI	
16.	SRILEKHA CH	
17.	BYREDDY SRINIDHI REDDY	
18.	SRIVIDYA B	
19.	VENNELA REDDY K	
20.	ABHISHEK NARAYANA D	
21.	SURYA ARUNKUMAR GOUD	
22.	SUDHEER A	
23.	TARUN K	
24.	PULLA RAJU	
25.	KOYALAKONDA JYOTHIRMAI	
26.	MUDEDLA SHRUTHI	
27.	SAPPIDI PAVAN KALYAN	
28.	KONAM AMULYA	
29.	EPPA RAMNIVAS	
30.	POLE YADAGIRI	
31.	AKANKSHA REDDY A	
32.	ALEKHYA UPPUTURI	
33.	PRATYUSHA REDDY V	

  
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34.	CHINTHAKINDI RAMANI
35.	BADETI RATNA MANJUSHA
36.	RITIKA SINGH
37.	SANJANA S
38.	N VENKATA RAMANA ROHITH
39.	YASH SHARMA

  
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CHEMICAL ENGINEERING  
DEPARTMENT

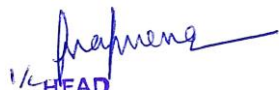
Value Added Course

Recent Advances in Chemical Process  
Simulation using ASPEN PLUS

Course Code: CBIT/19CHV001

Offered During 2019-20 (I Semester)

Course Duration: 30 Hrs

  
HEAD  
Dept. of Chemical Engineering  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-75.

## Chaitanya Bharathi Institute of Technology

### Chemical Engineering Department

Two day National workshop on “Recent Advances in Chemical Process Simulation Using Aspen Plus” was organized during 26th -27th Sept 2019. Dr. V. Malakonda Reddy, President CBSE and Smt. D. Sandhya Shree, Chairperson, D&P, CBIT were Chief Patrons whereas Prof P Ravinder Reddy, Principal, CBIT is patrons of this event. Dr. Sarat Babu Anne, Professor and Dr. V. Ramsagar, Assistant Professor from NIT- Warangal were Expert Resource Persons of this event.

#### Expert Resource Persons



**Prof. Sarat Babu Anne**  
Professor -  
Chemical  
Engineering  
Department,  
NIT Warangal

**Areas of Interest:** Modeling, simulation and Optimization; Steady state and Dynamic Simulation using Aspen; Reaction Engineering; Thermodynamics



**Dr. V. Ramsagar**  
Assistant  
Professor -  
Chemical  
Engineering  
Department,  
NIT Warangal

**Areas of Interest:** Chemical Process Scheduling; Heat Exchanger Networks; Process Modeling & Simulation

#### Chief Patrons

**Dr. V. Malakonda Reddy**  
President, CBES

**Smt. D. Sandhya Shree**  
Chairperson, D&P, CBIT

#### Patrons

**Prof. P. Ravinder Reddy**  
Principal

#### Head of the Department

**Chairman:**  
**Dr. B. Sreedhara Rao**

#### Organizing Committee

Convener: Dr. P. Swapna Reddy  
Co-Convener: Dr. M Anitha  
Coordinators: Mrs P Madhuri  
Dr Pragya Mishra

#### Contact Details

Dr. P. Swapna Reddy: 9618779996  
Dr M Anitha: 9177325405

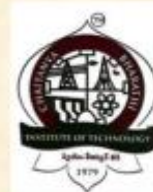
#### Participation & Registration

Research Scholars and U.G

Students: **Rs. 500/-**

Faculty members: **Rs. 700/-**

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



Gandipet, Hyderabad, Telangana -  
500075.

**NATIONAL WORKSHOP**  
ON

**Recent Advances in  
Chemical Process  
Simulation using  
Aspen plus**

**(26<sup>th</sup> & 27<sup>th</sup> September 2019)**



*[Signature]*  
1/c HEAD

**Dept. of Chemical Engineering**  
**Chaitanya Bharathi Institute of Technology**  
Gandipet, Hyderabad-75.

## CBIT Hyderabad

CBIT is a college of repute in the state of Telangana and AP which ranks 1st in the state and 16th in the country in the category of the self-financed engineering colleges. It was started in the year 1979, by Chaitanya Bharathi Educational Society, with the motto of Swayam Tejaswin Bhava. It is accredited by NBA, AICTE and NAAC, New Delhi. It is the first ISO 9001: 2008 certified technical institute. The college is an UGC autonomous institute. The college offers 9 UG and 7 PG courses.

In its Four Decades of existence, all the Stake Holders of the Institute, relentlessly endeavored to position CBIT as an Institution that is a Leader and an Innovator in the Ecosystem of Engineering Higher Education.

## Department of Chemical Engineering

Established in 1995, the department has gained reputation in the field of Chemical Engineering education in the state of Telangana and AP. The department is well equipped with undergraduate laboratories and infrastructure. The department conducts National level Conferences & Seminars and In-house workshops to cater to the overall personality, regularly. The department has also inked MOUs (with "Prathishta Biotech" & "Dr. Reddys labs") for training need of students with some of the leading industries. The faculty along with students are actively involved in numerous In-house projects in research areas such as Heat Transfer, Mass Transfer and Environmental Eng. (funding agency: TEQIP and CBIT Institute)

## Workshop Highlights

Aspen Plus is an advanced chemical optimization software used by the bulk, fine, specialty, and biochemical industries, as well as the polymer industry for the design, operation, and optimization of safe, profitable manufacturing facilities.

### Aspen Plus enables users to:

- Optimize processing capacity and operating conditions,
- Improve equipment design and performance,
- Reduce costs and improve product quality,
- Perform economic evaluation to realize savings in the process design.

### Approach

- Instructor-guided demonstrations of features.
- Hands-on sessions.

### Benefits

- Gain the skills and knowledge to design processes.
- Learn detailed design aspects of distillation column and reactors.



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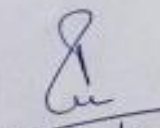
Chaitanya Bharathi Institute of Technology

Chemical Engineering Department


National workshop on "Recent Advances in Chemical Process simulation using ASPEN PLUS" held on 26<sup>th</sup> and 27<sup>th</sup> September 2019.

S.No.	Name	26 September 2019		27 September 2019	
		FN	AN	FN	AN
1	V. Shreya Reddy	Shreya	Shreya	Shreya	Shreya
2	M. Rakesh	Rakesh	Rakesh	Rakesh	Rakesh
3	M. Anjani	Anjani	Anjani	Anjani	Anjani
4	K. Chandana	Chandana	Chandana	Chandana	Chandana
5	P. Chinmayi	Chinmayi	Chinmayi	Chinmayi	Chinmayi
6	Ch. Keerthana Reddy	Ch. Keerthana	Ch. Keerthana	Ch. Keerthana	Ch. Keerthana
7	P. Meena	Meena	Meena	Meena	Meena
8	L. Nikhila	Nikhila	Nikhila	Nikhila	Nikhila
9	G. Poojitha Reddy	Poojitha	Poojitha	Poojitha	Poojitha
10	T. Sai Prafulla	T. Sai	T. Sai	T. Sai	T. Sai
11	K. Samhitha Reddy	Samhitha	Samhitha	Samhitha	Samhitha
12	A. Sathwika	Sathwika	Sathwika	Sathwika	Sathwika
13	P. Sri Navya Reddy	Navya	Navya	Navya	Navya
14	M. Srilekha	Srilekha	Srilekha	Srilekha	Srilekha
15	J. Sujitha	Sujitha	Sujitha	Sujitha	Sujitha
16	M. Akash Reddy	Akash	Akash	Akash	Akash
17	K. Bharath Reddy	Bharath	Bharath	Bharath	Bharath
18	B Chaitanya Prudvi	Prudvi	Prudvi	Prudvi	Prudvi
19	V Chaitanya	Chaitanya	Chaitanya	Chaitanya	Chaitanya
20	T Gopi	Gopi	Gopi	Gopi	Gopi
21	B Gowtham	Gowtham	Gowtham	Gowtham	Gowtham
22	M. Harshith	Harshith	Harshith	Harshith	Harshith
23	H Bharat Yadav	Bharat	Bharat	Bharat	Bharat
24	Md. Ibrahim Ali	Ibrahim	Ibrahim	Ibrahim	Ibrahim
25	K Prathik Kumar	Prathik	Prathik	Prathik	Prathik
26	K Sai Sampath	Sampath	Sampath	Sampath	Sampath
27	T Sai Teja	Sai Teja	Sai Teja	Sai Teja	Sai Teja
28	A Sailendra Reddy	Sailendra	Sailendra	Sailendra	Sailendra
29	CH. MANIVARDHAN REDDY	Manivardhan	Manivardhan	Manivardhan	Manivardhan
30	K. SRGETHAN REDDY	Srgethan	Srgethan	Srgethan	Srgethan
31	P. RASNA	Rasna	Rasna	Rasna	Rasna
32	R. RUKMINI	Rukmini	Rukmini	Rukmini	Rukmini
33	V. TRIVSALALAH	Trivsalalah	Trivsalalah	Trivsalalah	Trivsalalah
34	B. INDUMATHI	Indumathi	Indumathi	Indumathi	Indumathi
35	M. VANI RASATNA	Vani	Vani	Vani	Vani
36					

No. of students attended = 35

  
21/9/2019  
(Dr. P. Madhavi)

  
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Gandipet, Hyderabad-75

  
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# CHEMICAL ENGINEERING DEPARTMENT


Value Added Course

Ancient Indian knowledge

Course Code: CBIT/19EEV01

Offered During 2019-20 (I Semester)

Course Duration: 32 Hrs

  
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## Syllabus:

### Module-I:

**Introduction to Culture:** Culture, civilization, culture and heritage, general characteristics of culture, Indian Culture, Ancient India, Medieval India, Modern India

### Module-II

**Indian Languages, Culture and Literature:** Indian Languages and Literature-I: the role of Sanskrit, significance of scriptures to current society, Indian philosophies, other Sanskrit literature,

### Module-III

**Religion and Philosophy:** Religion and Philosophy in ancient India, Religion and Philosophy in Medieval India, Religious Reform Movements in Modern India (selected movements only)

### Module-IV

**Fine arts in India (Art, Technology & Engineering):** Indian Painting, Indian handicrafts, Indian Architecture (ancient, medieval and modern), Science and Technology in India, development of science in ancient, medieval and modern India

### Module V

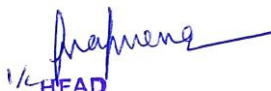
**Education system in India:** Education in ancient, medieval and modern India, aims of education, subjects, languages, Science and Scientists of Ancient India, Science and Scientists of Medieval India, Scientists of Modern India.

### Essential Readings:

1. Kapil Kapoor, Text and Interpretation: The Indian Tradition, ISBN: 81246033375, 2005
2. Samskrita Bharati, Science in Samskrit, ISBN-13: 978-8187276333, 2007
3. Satya Prakash, Founders of sciences in Ancient India, Govindram Hasanand, ISBN-10: 8170770009, 1989
4. Brajendranath Seal, The Positive Sciences of the Ancient Hindus, Motilal Banarasidass, ISBN-10: 8120809254, 1915
5. Kancha Ilaiah, Turning the Pot, Tilling the Land: Dignity of Labour in Our Times

### Suggested Readings:


1. Swami Vivekananda, Caste, Culture and Socialism, Advaita Ashrama, Kolkata ISBN-9788175050280
2. Swami Lokeshwarananda, Religion and Culture, Advaita Ashrama, Kolkata ISBN-9788185843384
3. Kapil Kapoor, Language, Linguistics and Literature: The Indian Perspective, ISBN-10: 8171880649, 1994.
4. Karan Singh, A Treasury of Indian Wisdom: An Anthology of Spiritual Learn, ISBN: 978-0143426158, 2016
5. Swami Vivekananda, The East and the West, Advaita Ashrama, Kolkata 9788185301860

  
1/2 HEAD  
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Gandipet, Hyderabad-75.



## List of Participants

S.No	Roll No.	Name Of The Student
1	1601-18-802-001	Jayanti Babyloni
2	1601-18-802-002	Kavya Sree Vanapalli
3	1601-18-802-003	Manimanya Reddy Jukanti Venkat
4	1601-18-802-004	Masade Sejal
5	1601-18-802-005	Nitya Cherukuri
6	1601-18-802-006	Prathusha K
7	1601-18-802-007	Premalatha Banoth
8	1601-18-802-008	Shivani Chintala
9	1601-18-802-009	Sneha Pulumamidi
10	1601-18-802-010	Sreeja Rukmini Adarapurapu
11	1601-18-802-011	Sri Tanmayee P
12	1601-18-802-012	Swetha Ganganaboina
13	1601-18-802-013	Vaishnavi Bolishetti
14	1601-18-802-014	Abdul Vaheed Shaik
15	1601-18-802-015	Ajay Bhaskar Reddy Alla
16	1601-18-802-016	Akshay B
17	1601-18-802-017	Aravind Kumar Daripally
18	1601-18-802-018	Bhanu Prakash Mothukuri
19	1601-18-802-019	Bhanu Teja Thumma
20	1601-18-802-020	Bhushan Goklani
21	1601-18-802-021	Charansreekar Aeleshwaram
22	1601-18-802-022	Chethan Nemmadhi
23	1601-18-802-024	Dev A Desai
24	1601-18-802-025	Ganesh Raju Yadav Parmalla
25	1601-18-802-026	Ganesh Reddy Konda
26	1601-18-802-027	Hari Om Jyothi
27	1601-18-802-029	Hemanth Sai Pinnenti
28	1601-18-802-032	Mahesh Thamballa
29	1601-18-802-033	Manas Mandapati
30	1601-18-802-034	Manoj Kumar Moguloju
31	1601-18-802-035	Naga Venkata Ganesh Jangala
32	1601-18-802-036	Narayana Dasari
33	1601-18-802-037	Noorullah Shareef Mohammad
34	1601-18-802-038	Prasanna Kumar Ganaparthi V S
35	1601-18-802-039	Ravi Arvind Kalambur
36	1601-18-802-040	Rupak Nallagundla
37	1601-18-802-041	Sai Dhanush Adepu
38	1601-18-802-042	Sai Krithik Reddy Suday
39	1601-18-802-043	Sai Rohith Seemakurthy
40	1601-18-802-044	Sayeed Shaik
41	1601-18-802-046	Sugeet Guttina V S
42	1601-18-802-047	Upendhar Pakalapati
43	1601-18-802-048	Yashash J
44	1601-18-802-301	Gujjari Geethika
45	1601-18-802-303	Indukuri Praneeth Varma
46	1601-17-802-033	Doddi Naga Vamshi Krishna
47	1601-17-802-036	Charka Rajesh
48	1601-17-802-045	Bora Snehith
49	1601-17-802-048	Uzair Patel
50	1601-17-802-303	Mashaallah Khan

  
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# CHEMICAL ENGINEERING DEPARTMENT

## Value Added Course


A Journey towards Entrepreneurship

Course Code: CBIT/17MEV03

Offered During 2019-20 (II Semester)

Duration of the course

25.12.2019 to 28.04.2020 (32 Hrs.)

  
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Gandipet, Hyderabad-75.

## Syllabus


Meaning and Importance, Evolution of term 'Entrepreneurship', Factors influencing entrepreneurship', Psychological factors, Social factors, Economic factor, Environmental factors

Types of entrepreneur: based on type of business, use of technology, motivation, growth, stages, new generations of entrepreneurship viz. social entrepreneurship, edupreneurship, health entrepreneurship, tourism entrepreneurship, women entrepreneurship etc.

Indian Industrial Environment: Competence, Opportunities and Challenges, Entrepreneurship and Economic growth, Entrepreneurship and Engineering, Small Scale Industry in India

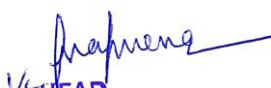
Formulation of Business Plan: Introduction, Elements of Business Plan and its salient features, Technical Analysis, Profitability and Financial Analysis, Marketing Analysis, Feasibility studies, Executive Summary.

Project Management: During construction phase, project organization, project planning, execution and control using CPM, PERT techniques

  
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Gandipet, Hyderabad-75.

### List of Students Participated (29)

S.No	Roll No.	Name
1	160115802012	Vundyala Shreya Reddy
2	160115802030	Mohd Mujtaba Hussain
3	160115802311	Mothe Rakesh
4	160116802001	Anjani Mamidala
5	160116802002	Chandana Komati
6	160116802006	Keerthana Reddy
7	160116802007	Meena Pullurwar
8	160116802008	Nikhila Lingala
9	160116802010	Poojitha Reddy Giri
10	160116802013	K. Samhitha Reddy
11	160116802014	Sathwika Akula
12	160116802015	Sri Navya Reddy
13	160116802020	Akash Reddy Maddula
14	160116802021	Bharath Reddy
15	160116802025	Gowtham Boppani
16	160116802026	Harshith Manchala
17	160116802030	Harsh Yadav
18	160116802042	K Sai Sampath
19	160116802043	Sai Teja Tati
20	160116802049	Rohith Naik
21	160116802050	Vamshi Krishna Bongoni
22	160116802053	Vineeth Sai
23	160116802301	Srihari
24	160116802302	M.Nagaraju
25	160116802303	Vankudoth Saikumar
26	160116802305	Shiva Thota
27	160116802307	Akkaladevi Vineeth Kumar
28	160116802309	Adulapuram Bharath
29	160116802312	Suguna Ratnam

  
1/2 HEAD  
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Gandipet, Hyderabad-75.

# CHEMICAL ENGINEERING DEPARTMENT


## Value Added Course

DISASTER CONTROL AND RESPONSE

Course Code: CBIT/19CEV02

Offered During 2019-20 (II Semester)

Course Duration: 32 Hrs

  
1/2 HEAD  
Dept. of Chemical Engineering  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-75.

## SYLLABUS

Instruction

3 Periods per week

### **Course Objectives:**

1. To equip the students with the basic knowledge of hazards, disasters, risks and vulnerabilities including natural, climatic and human induced factors and associated impacts.
2. To impart knowledge in students about the nature, mechanism causes, consequences and mitigation measures of the various natural disasters including hydro metrological and geological based disasters.
3. To enable the students to understand risks, vulnerabilities and human errors associated with human induced disasters including chemical, biological and nuclear warfare agents.

### **Course Outcomes:**

1. Ability to analyse and critically examine existing programs in disaster management regarding vulnerability, risk and capacity at local level
2. Ability to choose the appropriate activities and tools and set up priorities to build a coherent and adapted disaster management plan.
3. Ability to understand various mechanisms and consequences of natural and human induced disasters for the participatory role of engineers in disaster management.

### **UNIT-I:**

**Introduction to Natural, human induced and human made disasters** – Meaning, nature, types and effects; International decade of natural disaster reduction (IDNDR); International strategy of natural disaster reduction (ISDR)

### **UNIT-II:**

**Natural Disasters**– Hydro meteorological disasters: Causes, impacts, Early warning systems, structural and non-structural measures for floods, drought and cyclones; Tropical cyclones: Overview, cyclogenesis, drought monitoring and management.;

### **UNIT III:**

**Human induced hazards:** Risks and control measures in a chemical industry, Causes, impacts and mitigation measures for chemical accidents, chemical disaster management, current status and perspectives; Case studies related to various chemical industrial hazards eg: Bhopal gas tragedy;

### **UNIT IV:**

**Use of remote sensing and GIS in disaster mitigation and management;** Scope of application of ICST (Information, communication and space technologies in disaster management, Critical applications& Infrastructure; Potential application of Remote sensing and GIS in disaster management and in various disastrous conditions like earthquakes, drought, Floods, landslides etc.

## UNIT V:


**Concept of disaster management:** Introduction to disaster management, Relationship between Risk, vulnerability and a disaster, Disaster management cycle, Principles of disaster mitigation: Hazard identification and vulnerability analysis, Early warning systems and forecasting; Infrastructure and development in disaster management;

### Text Books:

1. Rajib, S and Krishna Murthy, R.R (2012), "Disaster Management Global Challenges and Local Solutions" Universities Press Hyderabad.
2. Notes / Reading material published by National Disaster Management Institute, Ministry of Home Affairs, Govt. of India.

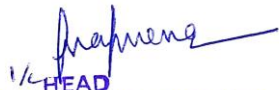
### Suggested Reading:

1. Navele, P & Raja, C.K. (2009), Earth and Atmospheric Disasters Management, Natural and Manmade. B.S. Publications, Hyderabad.
2. Fearn-Banks, K (2011), Crises computations approach: A case book approach. Route ledge Publishers, Special Indian Education, New York & London.
3. Battacharya, T. (2012), Disaster Science and Management. Tata McGraw Hill Company, New Delhi.

  
HEAD  
Dept. of Chemical Engineering  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-75.

## List of Participants

Roll No.	Full Name
160115802017	Ankith Maganti
160116802003	Chinmayi Poluri
160116802011	T Sai Prafulla
160116802012	Sajitha
160116802016	Srilekha Malayanur
160116802017	Sujitha Jinka
160116802018	Swarnalatha Bhukya
160116802022	Balusu Chaitanya Prudvi
160116802023	V.Chaitanya
160116802024	Thanneru Gopi
160116802032	Ibrahim Ali
160116802038	Kalakota Prathik Kumar
160116802044	Sailendra Arugunta
160116802045	Sandeep Kumar
160116802046	Sandeep Pagadala
160116802051	C V Varshit
160116802052	Varun Teja Manne
160116802304	Badda Solmon Raju

  
1/c HEAD  
Dept. of Chemical Engineering  
Chaitanya Bharathi Institute of Technology  
Gandipet, Hyderabad-75.



**TITLE OF THE VALUE ADDED COURSE**

IOT and Applications

Code: CBIT/ 16CS O03

Duration: 30 Hours

Academic year: 2020-21



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Gandipet, Hyderabad - 75

## Syllabus

CBIT (A)

With Effect from the Academic Year 2019-2020

**16CS 003**

### **IOT AND APPLICATIONS**

Instruction	3 Hours per week
Duration of Semester End Examination	3 Hours
Semester End Examination	70 Marks
CIE	30 Marks
Credits	3

**Pre-requisites:** Programming Basics.

**Course Objectives:** The main objectives of this course are:

1. Impart necessary and practical knowledge of components in Internet of Things.
2. Understand working of IoT Systems.
3. Develop skills required to build IoT based systems.

**Course Outcomes:** On Successful completion of this course, student will be able to


1. Understand Internet of Things and its hardware and software components.
2. Interface I/O devices, sensors & communication module.
3. Remotely monitor data and control devices.
4. Develop real time IoT based projects.
5. Advance towards research based IoT.

#### **UNIT-I**

**Introduction to IoT:** Sensors, Types of sensors and Transducers, Actuators and Types of Actuators.

#### **UNIT-II**

**Basics of Networking:** Functional Components of IoT, IoT interdependencies, IoT Service oriented architecture, IoT categories, IoT gateways, IoT and associated technologies, Key technologies for IoT, IoT challenges.

  
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### Online Resources:

1. Li Da Xu, Wu He, and Shancang Li, "Internet of Things in Industries: A Survey", IEEE Transactions on Industrial Informatics, Vol. 10, No. 4, Nov. 2014.
2. Gotovtsev, Pavel M., and Andrey V. Dyakov. "Biotechnology and Internet of Things for green smart city application." 2016 IEEE 3rd World Forum on Internet of Things (WF-IoT). IEEE, 2016.
3. Yanjing, Sun, et al. "Research and design of agriculture informatization system based on IOT." Journal of Computer Research and Development 48 (2011): 316-331.
4. Somov, Andrey, et al. "Bacteria to power the smart sensor applications: Biofuel cell for low-power IoT devices." 2018 IEEE 4th World Forum on Internet of Things (WF-IoT). IEEE, 2018.
5. Han, Shuqing, et al. "Analysis of the frontier technology of agricultural IoT and its predication research." IOP Conference Series: Materials Science and Engineering. Vol. 231. No. 1. IOP Publishing, 2017.

CBIT (A)

With Effect from the Academic Year 2019-2020

### UNIT – V

**IoT Systems and Applications:** Smart Lighting, Weather Monitoring System, Weather Reporting Bot, Forest Fire Detection, Alcohol Detection System, Smart Parking Environment., Drip-irrigation, Biological water treatment system, Work flow Automation in Industries, Smart Intrusion Detection System, monitoring space risks and hazardous conditions in industrial regions like underground tanks , trap door margins.

### Text Books:


1. Raj and Anupama C. Raman, "The Internet of Things: Enabling Technologies, Platforms, and Use Cases", CRC Press, 2017.
2. Jeeva Jose, "Internet of Things", Khanna Publishing House, Delhi, 2018.
3. Arshdeep Bahga and Vijay Madisetti, "Internet of Things: A Hands-on Approach", Universities Press, 2014.

### Suggested Reading:

1. Dr. SRN Reddy, Rachit Tirnkral and Manasi Mishra, "Introduction to Internet of Things: A practical Approach", ETI Labs, 2018.
2. Adrian McEwen, "Designing the Internet of Things", Wiley, 2013.
3. Raj Kamal, "Internet of Things: Architecture and Design", McGraw Hill, 2017.
4. Cuno Pfister, "Getting Started with the Internet of Things", O'Reilly Media, 2011.
5. O. Vermesan, P. Friess, "Internet of Things – Converging Technologies for Smart Environments and Integrated Ecosystems", River Publishers, Series in Communications, 2013.


## Time Table

Brach: EEE							
Day	9:10 - 10:10	10:10- 11:10	11:15- 12:15	12:15- 13:00	13:00- 14:00	14:00- 15:00	15:05- 16:05
Monday				<b>LUNCH</b>			
Tuesday							
Wednesday							
Thursday							
Friday							
Saturday						IOT and Applications	

  
**HEAD**  
Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

### List of Participants

S.NO	Registered and completed student name	Total no.of students Registered and completed
1.	M SAI SHASHANK RATHOD	28
2.	MUDAVATH PRIYANKA	
3.	MARRY REVATHI	
4.	PULIMAMIDI PAVAN	
5.	AKULA PREM KUMAR	
6.	MUNJALA SAI CHARAN	
7.	P SRIKANTH	
8.	S YOGANAND SAGAR	
9.	M KALYAN SAI VINAY	
10.	KARRA NIKHIL REDDY	
11.	MD. BAQTIYAR WAHED SUMAIR	
12.	MALOTH HIMABINDU	
13.	NAREN KUMAR A	
14.	ABHILASH BUDHARAPU	
15.	HARSHITH MOLUGU	
16.	M KALYAN SAI VINAY	
17.	NANAVATH KISHAN	
18.	CHOPPAKATLA KOUSHIK	
19.	YELURIPATI S V KRISHNA KARTHIK	
20.	VIJAGIRI MANIDEED	
21.	MOHAMMED AMAAN	
22.	DHARMOJU PAVAN KUMAR	
23.	G RAKESH GOUD	
24.	K SURYA RAJ	
25.	CHITTI SURYATEJA REDDY	
26.	NULIGONDA VASHIST	
27.	A S N YASHWANTH	
28.	B YASHWANTH	


  
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Title of the value added course  
A Journey towards Entrepreneurship

Code: CBIT/17MEV03

Duration: 30 Hours


Academic year: 2019 -20

  
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Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

### Time table


Period	1	2	3	L U N C H	4	5	6
Time	9.10 to 10.10	10.10 to 11.10	11.15 to 12.15			1.00 to 2.00	2.00 to 3.00
MON				B R E A K	A Journey towards Entrepreneurship		
TUE							
WED							
THU							
FRI							
SAT							

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
A Journey towards Entrepreneurship	CBIT/ 17MEV03	2019-20	1	30 hrs.	46	46

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75


### List of participants

S.NO	Roll No.	Name of the Student
1	160115734031	ISMAIL AHMED
2	160116734001	BOYINI AKANKSHA YADAV
3	160116734002	AKHILA J
4	160116734003	CHITKALA M
5	160116734004	MAMILLAPALLY GAYATHRI
6	160116734005	GEETHA BHARGAVI K
7	160116734007	KEERTHI REDDY K
8	160116734008	LASYA G
9	160116734010	MOUNIKA G
10	160116734011	PRADEEPA CH
11	160116734012	PRAVALLIKA V
12	160116734013	SAI PRIYANKA T
13	160116734014	SHAIK AISHA
14	160116734015	SHASHIKALA M
15	160116734016	SHIVANI RAJU T
16	160116734017	SHRAVYA M
17	160116734018	M SHREEJHA
18	160116734019	GADDAMIDI SHRUTHI REDDY
19	160116734020	TAKKOLI SHRUTHI SRI
20	160116734021	SRILEKHA CH
21	160116734022	BYREDDY SRINIDHI REDDY
22	160116734023	SRIVIDYA B
23	160116734025	VENNELA REDDY K
24	160116734026	ABHISHEK NARAYANA D
25	160116734027	ANWESH K
26	160116734034	JOHN MEDWIN V
27	160116734037	MOHAMMED MOIZUDDIN
28	160116734038	MOHAMMED PARVEZ AMAIR
29	160116734040	NAGA BRAHMA C
30	160116734042	MUPPARAM PAVAN KUMAR
31	160116734051	EMMADI SAITEJA
32	160116734056	TARUN K
33	160116734058	VENKATA SAI SAKET S

  
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34	160116734059	VENKATASIVA DATTASAI ABHISHEK CH
35	160116734301	K HARIKA
36	160116734303	CHAATHIRI AVINASH
37	160116734308	KOYALAKONDA JYOTHIRMAI
38	160116734311	KONAM AMULYA
39	160115734096	G PRANEETH
40	160116734064	AMULYA R
41	160116734067	ARASADA DARSHINI
42	160116734068	DRITHI P
43	160116734069	ESHANI REDDY P
44	160116734073	U LAKSHMI SATYASAI VEDA MAHITA
45	160116734076	NAVYA REDDY K
46	160116734081	BADETI RATNA MANJUSHA

  
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Title of the value added course

Environmental science

Code: 18CEM01

Duration: 30 Hours

Academic year: 2019 -20

  
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## Syllabus:

CBIT (A)

With Effect from the Academic Year 2019-20

18CE M01

### ENVIRONMENTAL SCIENCE

Instruction	2 Hours per week
Duration of Semester End Examination	2 Hours
Semester End Examination	50 Marks
CIE	0 Marks
Credits	0

#### Course Objectives:

1. To Identify environmental problems arising due to engineering and technological activities and the science behind those problems.
2. To Become aware about the importance of eco system and biodiversity for maintaining ecological balance
3. To identify the importance of interlinking of food chain
4. To Learn about various attributes of pollution management and waste management practices.
5. To make the students contribute for capacity building of nation for arresting and/or managing environmental disasters.

#### Course Outcomes: At the end of the course, the student should have learnt

1. To define environment, identify the natural resources and ecosystems and contribute for the conservation of bio-diversity.
2. To suggest suitable remedial measure for the problems of environmental pollution and contribute for the framing of legislation for protection of environment.
3. To relate the social issues and the environment and contribute for the sustainable development.
4. To follow the environmental ethics.
5. To contribute for the mitigation and management of environmental disasters.


#### UNIT – I:

**Environmental Studies:** Definition, Scope and importance, need for public awareness.

**Natural resources:** Use and over utilization of Natural Resources - Water resources, Food resources, Forest resources, Mineral resources, Energy resources, Land resources.

#### UNIT – II:

**Ecosystems:** Concept of an ecosystem, structure and function of an ecosystem, role of producers, consumers and decomposers, energy flow in an ecosystem,

  
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CBIT (A)

With Effect from the Academic Year 2019-20

food chains, food webs, ecological pyramids, Nutrient cycling, Bio-geo chemical cycles, Terrestrial and Aquatic ecosystems.

**UNIT – III:**

**Biodiversity:** Genetic, species and ecosystem biodiversity, Bio-geographical classification of India, India as a Mega diversity nation. Values of biodiversity, hot-spots of biodiversity, threats to biodiversity, endangered and endemic species of India, methods of conservation of biodiversity.

**UNIT – IV:**

**Environmental Pollution:** Cause, effects and control measures of air pollution, water pollution, marine pollution, soil pollution, noise pollution and Solid waste management, nuclear hazards

**Environmental Legislations:** Environment protection Act, Air, Water, Forest & Wild life Acts, issues involved in enforcement of environmental legislation, responsibilities of state and central pollution control boards

**UNIT – V:**


**Social issues and the environment:** Water conservation methods: Rain water harvesting and watershed management, Environmental ethics, Sustainable development and Climate change: Global warming, Ozone layer depletion, forest fires, and Contemporary issues.

**Text Books:**

1. Y. Anjaneyulu, "*Introduction to Environmental Science*", B S Publications, 2004.
2. Suresh K. Dhameja, "*Environmental Studies*", S. K. Kataria & Sons, 2009.

**Suggested Reading:**


1. C. S. Rao, "*Environmental Pollution Control Engineering*", Wiley, 1991.
2. S. S. Dara, "*A Text Book of Environmental Chemistry & Pollution Control*", S. Chand Limited, 2006

  
**HEAD**  
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Gandipet, Hyderabad - 75

**Time table**


<b>Period</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>L U N C H  B R E A K</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Time</b>	<b>9.10 to 10.10</b>	<b>10.10 to 11.10</b>	<b>11.15 to 12.15</b>		<b>1.00 to 2.00</b>	<b>2.00 to 3.00</b>	<b>3.05 to 4.05</b>
<b>MON</b>					Environmental science		
<b>TUE</b>							
<b>WED</b>							
<b>THU</b>							
<b>FRI</b>							
<b>SAT</b>							

Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Environmental science	18CEM01	2019-20	1	30 hrs.	129	129


  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75

### List of participants


S.No	HallTicketNo	Name of students
1	160117734019	K ABHIRAM
2	160117734022	GULAGATTU BHARATH KUMAR
3	160117734037	G MOHAN
4	160117734307	B MAHESH KUMAR
5	160118734001	KUMMARI CHANDRAKALA
6	160118734002	PUTLA DHARANI
7	160118734003	GUJJA INDRANI
8	160118734004	KAVYA TAMMALI
9	160118734005	CHIMARLA KEERTHANA
10	160118734006	SOLIPURAM KEERTHANA REDDY
11	160118734007	KHYATI BHAREDWAJ
12	160118734008	JAGATHKARI LAXMIPRIYA
13	160118734009	KASHA MAHATHI
14	160118734010	MYAKA MANIDEEPIKA REDDY
15	160118734011	NAZIYA BEGUM
16	160118734012	P NEHASREE
17	160118734013	PRAVEENA BOBBALA
18	160118734014	BAKKAREDDY PRIYANKA
19	160118734015	ERPULA RANI
20	160118734016	BATTULA RASAGNA
21	160118734017	KANDANELLY SAHITHI PRIYA RATHOD
22	160118734018	DARAPU SAI AKSHAYA
23	160118734019	SHIVARATHRI SRAVANI
24	160118734020	NARAYANA SRINIDHI REDDY
25	160118734021	VATTIKONDA SUSHMITHA
26	160118734022	SANIKOMMU VAISHNAVI
27	160118734023	BURRA VARSHITHA
28	160118734024	THODUPUNURI VASAVI
29	160118734025	VINUTHNA REDDY GUTHA
30	160118734026	KANTHALA ADITH CHANDRA

  
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Dept. of EEE, CBIT (A)  
Gandipet, Hyderabad - 75

31	160118734027	KULAKARNI ADITHYA
32	160118734028	MOHAMMED AMAAN FAROOQUI
33	160118734029	K CHINNA RAMUDU
34	160118734030	KOBBAI DILEEP KUMAR
35	160118734031	KSHITEISSH BHARADWAJ
36	160118734032	AGGADI MANI DEEP
37	160118734033	NABEEL KHAN
38	160118734034	NAMAN GUPTA
39	160118734035	AMANCHI NAVEEN
40	160118734036	NAVID PABANI
41	160118734037	NARAYANA NITHIN
42	160118734039	GUGGILLA RAGHAVESHWAR
43	160118734040	MOTUPALLI RAMA KRISHNA SAI
44	160118734041	ARRA RASHMITH REDDY
45	160118734042	CHILLAMCHARLA SAI RAGHU
46	160118734043	D SAI SIDHARTH KSHYAP
47	160118734044	MOTHUKURI SAI SRINIVAS
48	160118734045	VANGALA SAI SRUJAN
49	160118734046	GUDIMALLA SANJAY
50	160118734047	M SHANMUKHESH
51	160118734049	BOGE SIDDARTH
52	160118734050	SUHAS REDDY M
53	160118734051	G TARUN
54	160118734052	NUGURI TARUN
55	160118734053	VEERAPRADYUN GONUGONDLA
56	160118734054	KALVA VENU
57	160118734055	KATAKAM VINAY KUMAR
58	160118734056	CHENNA VINEETH
59	160118734057	VISHWAS P
60	160118734058	ZIYAD AHMED MOHAMMED
61	160118734061	BHARGAVI SINGAJOGI
62	160118734062	CHELLA MEENAKSHI S
63	160118734063	KAVYA PINNEBOINA


  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75

64	160118734064	LOHITHA REDDY ANNADI
65	160118734065	MANASVINI KOTTAPALLY
66	160118734066	SURUKANTI NISHITHA
67	160118734067	NISHMA REDDY KASTURI
68	160118734068	RACHEL A
69	160118734069	RISHITHA ARIKOTLA
70	160118734070	SAI VARSHA MAKTHAL
71	160118734071	SANDHYA KORRA
72	160118734072	THUMU SNEHA BHANDHAVI
73	160118734073	SOUMYA BANDLA
74	160118734074	GUDIVENUKA SRAVANTHI
75	160118734075	SADINENI SRAVANTHI
76	160118734076	SANKARNENI SRAVYA
77	160118734077	SREE VIDYA GOLLA
78	160118734078	SUNITHA RANI PITLA
79	160118734079	UMMAY SALMA
80	160118734080	M ABHISHEK
81	160118734081	MUTHYALA ABHISHEKH
82	160118734082	AJAY GUNNALA
83	160118734083	MORE AKSHAY
84	160118734084	CHAKRAVARTHY DANGATLA
85	160118734085	CHERUPALLY CHARAN KUMAR
86	160118734086	DINESH BUKYA
87	160118734087	ESWAR TEJA CHAVA
88	160118734088	HARI KIRAN VAGIRI
89	160118734089	JAYANTH DARAMALLA
90	160118734090	JEEVAN KUMAR G
91	160118734091	GULLAPALLI LOKESH
92	160118734092	PANDULA MANIDEEP
93	160118734094	DONTHULA NAVEEN
94	160118734095	PRUDHVI MURUKUTLA
95	160118734097	RAKESH ANNAM
96	160118734099	SAI LOKESH REDDY NANDAVARAPU
97	160118734100	KOTHAKONDA SAI TEJA
98	160118734101	SAIKIRAN KOLLOJU
99	160118734102	LAKKARSU SAITEJA VARMA
100	160118734103	MD SAMEER KHAN
101	160118734104	SHERANK DASARATH
102	160118734105	SHIVA ANIMESH REDDY CHITTI
103	160118734106	SOHAN KUMAR RUSTUMPET
104	160118734107	SRI SAI WENKAT NIZAMPATNAM

  
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Gandipet, Hyderabad - 75



105	160118734108	SRI VAMSI DEEVI
106	160118734109	SRINIVAS GAURAV JAMALPUR
107	160118734110	SUJITH REDDY MUTHYLA
108	160118734111	SUMANTH SETTY
109	160118734112	TARUN CH NSNS
110	160118734113	DODDI UDAY SHANKAR
111	160118734114	VENKATA MANIKANTA SAI AMALAKANTI
112	160118734115	VENKATA SAI VARUN P
113	160118734116	THADURI VENKATESH BABU
114	160118734117	MOVVA VINAY
115	160118734118	BODDU YESHWANTH KUMAR
116	160118734119	VENKANNAGARI YOGESH
117	160118734301	BIRRU VEDAVYAS
118	160118734302	T KARTHIK
119	160118734303	MUNJA YAMINI
120	160118734304	RAMAVATH SAIKUMAR
121	160118734305	AJAY KUMAR SAHANI
122	160118734306	KURMA RAVI
123	160118734307	DOKILE UMESH
124	160118734308	RAYABARAPU NAVYA
125	160118734309	VADDADI VIKAS
126	160118734310	VALUPADASU BUDDIK VARARAJ
127	160118734311	NENAVATH PRASHANTH
128	160118734312	GANASALA HEPSIBA RANI
129	160118734313	P CHAKRADHAR

  
**HEAD**  
 Dept. of EEE, CBIT (A)  
 Gandipet, Hyderabad - 75


**TITLE OF THE VALUE ADDED COURSE:**

**History of Science and Technology**


**Target Participants – SEMESTER-VIII**

**Duration of the Course: 15.12.2019 TO 15.04.2020**

**ACADEMIC YEAR: 2019-20**

  
Professor & Head  
Department of Physics  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad-500075.

Name of the value added courses (with 30 or more contact hours) offered	Course code (if any)	Year of offering	No. of times offered during the same year	Duration of course in Hourse	No. of students enrolled in the year	No. of students completing the course in the year
History of science & Technology	NA	2019-20	1	40	189	189

  
 Professor & Head  
 Department of Physics  
 Chaitanya Bharathi Institute of Technology (A)  
 Gandipet, Hyderabad-500075.


### List of Participants

S.No	Roll Number	Name of the Student
1	160114733028	J ADARSH
2	160114733036	GOWTHAM VARMA
3	160114733048	RANA TEJA VUJJINI
4	160115733027	DEVAK SAI
5	160115733033	KARAN KUMAR REDDY
6	160115733038	NIKHIL CHANDRA REDDY
7	160116733001	BEULAH KARROLLA
8	160116733002	HEPHZIBAH S
9	160116733003	JEEVANA
10	160116733004	KRISHNAVENI
11	160116733005	LAVANYA K
12	160116733006	MADHURI G
13	160116733007	MANEESHA
14	160116733008	MEGHANA REDDY CH
15	160116733009	NAVYA G
16	160116733010	PRASHANTI K
17	160116733011	PREETHI K
18	160116733012	SATYA PARIMALA R
19	160116733013	SHALINI KOTHURU
20	160116733014	SHIVANI C
21	160116733015	SHIVANI
22	160116733016	SIREESHA JELLA
23	160116733017	SPANDANA K
24	160116733018	SRIPRIYA S
25	160116733019	SUMANJALI CHAKRAVARTHI N
26	160116733020	USHA RANI BANOTH
27	160116733021	MAHITHA
28	160116733022	AKASH S
29	160116733023	ANIRUDH REDDY G
30	160116733025	CHANDRAMOULI P
31	160116733026	DEVARAJ N
32	160116733027	GAURAV CHOWDARY
33	160116733028	GOUTHAM A
34	160116733029	GOWTHAM REDDY A
35	160116733030	HARSHA VARDHAN CH
36	160116733031	HARSHITH M
37	160116733032	KARTHIK GOUD B
38	160116733034	kurvagattanna maldanna
39	160116733036	MAHABOOB ALI ASHRAF MOHAMMAD
40	160116733037	NALIN RAJ G
41	160116733038	Nikith Rachakonda
42	160116733039	PAVAN KUMAR REDDY K
43	160116733040	PRADEEP KUMAR T
44	160116733041	PRADEEP P
45	160116733042	PRANAV D
46	160116733043	KEDARESWARA PRASAD SAKHAMURU
47	160116733044	PRASHANTH S
48	160116733045	RAHUL MORa
49	160116733046	SAHAS REDDY M
50	160116733047	SAI AJAY KUMAR
51	160116733048	SAI GNANA GUNA SAGAR J
52	160116733050	Anudeep Atyam
53	160116733051	SAI KRISHNA CHILUKA
54	160116733052	VANCHA SAICHARAN
55	160116733053	SHAIK JUNAID MOHAMMAD
56	160116733054	SIDDHARTHA ANNAMANENI
57	160116733055	VUDDANTI SRI NARASIMHA NIHANTH
58	160116733058	BAJJURI SUCHANDRANATH



Professor & Head  
Department of Physics  
Chaitanya Bharathi Institute of Technology (A)  
Gandipet, Hyderabad-500075.

59	160116733059	SYED NAYAZ MOINUDDIN
60	160116733060	LUCKSHETTY
61	160116733184	UPPALA VEDA PRIYA
62	160116733301	KUDALA SUMEERAJA
63	160116733302	SUKKA PRASHANTH
64	160116733303	SAGAR KOLIPAKA
65	160116733304	NISHANTH CHANDANALA
66	160116733306	NALLABOTHULA SWETHA
67	160116733307	ROHITH KADARI
68	160116733308	ANTHARVEDI NAVEENKUMAR
69	160116733310	POTTALA BHARATHI
70	160116733311	ESLAVATH NAGALAXMI
71	160116733312	MAMIDALA SRIKANTH
72	160113733064	GUGULOTHU ANITHA
73	160114733102	MOHD ABDUL MUQTADIR
74	160115733095	MOHAMMED ANAS ASHFAQ
75	160116733061	ANEES FATIMA KHAN
76	160116733062	BAVYA SRI J
77	160116733063	BHAVYA P
78	160116733064	CHETANA REDDY Y
79	160116733065	DEEPIKA M
80	160116733066	HARIKA B
81	160116733067	JAGATH DEEPTHI B
82	160116733068	LIKHITHA CH
83	160116733069	MONIKA P
84	160116733070	NIDHI VRAJ SADHUVALA
85	160116733071	ROSHINI REDDY M
86	160116733072	SAAKSHI GUPTA
87	160116733073	SAI SAHITI CH
88	160116733074	SATYASRILAKSHMI V
89	160116733075	SWATHI M
90	160116733076	VENKATA SAIMEGHANA S
91	160116733077	VINUTHNA REDDY M
92	160116733078	LALITHA T
93	160116733079	SAI CHANDANA G
94	160116733080	ADITYA K
95	160116733081	AKHIL KRISHNA CH
96	160116733082	AMMAR MOHAMMED SHAREEF
97	160116733083	ANIL KUMAR K
98	160116733084	AYYAPPA REDDY K
99	160116733085	CHANAKYA PHANINDRA G
100	160116733086	DATTA SAI TANUJ V
101	160116733087	DEEKSHITH RAO V
102	160116733089	ESHWAR CHAITANYA G
103	160116733090	HAMSA RAJ T
104	160116733092	HARSHA NARISSETTY
105	160116733093	JACOB ABHISHEK T
106	160116733094	ABHISHEK JAISWAL C
107	160116733095	MANIKANTH REDDY M
108	160116733096	MOHAMMED SYED AKBAR HASHMI
109	160116733097	NAGA OMKAR P
110	160116733099	BANDARI NEHITH YADAV
111	160116733101	RAMESH M
112	160116733102	RAVI THEJA M
113	160116733103	ADITHYA K N G
114	160116733104	SAI MANIDEEP S
115	160116733105	SAITEJA R
116	160116733106	GUNDU SATVIK KALYAN
117	160116733107	SHARATH CHANDRA B
118	160116733108	SHIVA RITHIK REDDY Y
119	160116733109	SHIVAM GUPTA
120	160116733110	SRUJITH RAO A
121	160116733111	SURYA S


  
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122	160116733112	SUSHANTH KUMAR P
123	160116733113	VENKATA ASHOK REDDY K
124	160116733114	KASARIBADHA VENKATSAI
125	160116733115	VINEEL CH
126	160116733116	VINEETH KUMAR A
127	160116733117	VINEETH REDDY S
128	160116733118	VISHAL V
129	160116733119	YASHWANTH G
130	160116733120	YASHWANTH REDDY K
131	160116733182	PALREDDY DHARANISH REDDY
132	160116733185	SURAM SAIHITH REDDY
133	160116733313	P UDAY KUMAR
134	160116733314	A SAI CHANDER
135	160116733315	C JAYA CHANDRA KANTH REDDY
136	160116733316	DAROOR SHARATH KUMAR
137	160116733317	MOHAMMED EHTESHAMUDDIN
138	160116733318	GUNNALA SRINATH
139	160116733319	A SAI SREE LASYA
140	160116733320	MEDAM ANIL KUMAR
141	160116733322	MORAMPUDI MANISH CHANDRA
142	160116733323	ESAMPALLY SWETHA
143	160114733161	K Nikhil Ashray Reddy
144	160115733161	GAINI PRANAY
145	160115733165	KUMBHAM SAI CHARAN
146	160115733171	SHANTHAN R
147	160115733174	KOMMU SRIAKHIL
148	160115733176	BOLAMALLA THRIVIKRAMA RAO
149	160115733336	RAMAVATH MOONA
150	160116733121	ABHIJNA DASAM
151	160116733122	ALEKHYA RAO V
152	160116733124	DEEKSHITHA GARREPELLY
153	160116733126	HARIKA SANTHOSHI PEETHANI
154	160116733129	HARSHITHA PATEL VELPULA
155	160116733130	T. HARSHITHA REDDY
156	160116733131	LAVANYA KOTHAPALLI
157	160116733133	MRUDULA ULLANGUNTA
158	160116733136	PRIYANKA GANDHI
159	160116733137	SAI HARIKA BANDARUPALLY
160	160116733138	KETHAVATH SANDHYA
161	160116733139	SHARVANI MATURI
162	160116733140	SHIVANI N
163	160116733142	KATI SHREYA RAJ
164	160116733143	THADURU SNIGDHA PRIYA
165	160116733144	SRAVANTHI ADDULA
166	160116733145	SREEVANI DHULIPALA
167	160116733146	SRISAIBHAVYA REDDY G
168	160116733159	MOHAMMED HASIBUDDIN
169	160116733160	MOHAMMED AQIB MUQTADAR
170	160116733161	NITHISH REDDY
171	160116733162	OMAR AHMED
172	160116733163	PRANAY M
173	160116733164	PRANEETH N
174	160116733168	SAI VEERA VENKATA ABHIRAM S
175	160116733176	Syed Shakeeb
176	160116733177	Tamiz Bharthepudy
177	160116733325	Laxman Damera
178	160116733326	SINGIRIKONDA ROHITH KUMAR
179	160116733327	sheela laxman
180	160116733328	Ram Damera
181	160116733329	BANDI NEWVEELA
182	160116733330	Sravan penthala
183	160116733332	Swasthik
184	160116733333	SHASHI KUMAR GUNDALA

*Prasanna*

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185	160116733334	prabhandha mankali
186	160116733335	SURIGI SADHANA
187	160116733336	PENDYALA NAVYA SREE
188	160116733179	YASHWANTH E
189	160116733180	YESHWANTH RAO B

  
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Title of the value added course

Indian constitution

Code: 18EG M 01

Duration: 30 Hours

Academic year: 2019 -20



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**Syllabus:**

CBIT (A)

With Effect from the Academic Year 2019-20

18EG M 01

**INDIAN CONSTITUTION**

Instruction	2 Hours per week
Duration of Semester End Examination	2 Hours
SEE	50 Marks

**Course Objectives:** The course will introduce the students to :

1. The history of Indian Constitution and how it reflects the social, political and economic perspectives of the Indian society.
2. Address the growth of Indian opinion regarding modern Indian intellectuals' constitutional role and entitlement to civil and economic rights as well as the emergence of nationhood in the early years of Indian nationalism.
3. Have knowledge of the various Organs of Governance and Local Administration.

**Course Outcomes :** After successful completion of the course the students will be able to :

1. Understand the making of the Indian Constitution and its features.
2. Have an insight into various Organs of Governance - composition and functions.
3. Understand powers and functions of Municipalities, Panchayats and Co-operative Societies.
4. Be aware of the Emergency Provisions in India.
5. Understand the Right To equality, the Right To freedom and the Right To Liberty.

**Unit-I**

**Constitution of India - Introduction and salient features . Constitutional history. Directive Principles of State Policy - Its importance and implementation.**


**Unit II**

**Union Government and its Administration - Structure of the Indian Union: Federalism, distribution of legislative and financial powers between the Union and the States.**

**Parliamentary form of government in India. President: role, power and position.**

**Unit III**

**Emergency Provisions in India - National emergency, President rule, Financial emergency**

  
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**Unit IV**

**Local Self Government - District's Administration Head: Role and Importance. Municipalities: Introduction, Mayor and role of Elected Representative, CEO of Municipal Corporation.**

**Panchayati Raj: Introduction, Zilla Panchayat, Elected officials and their roles, CEO Zilla Panchayat: Position and role. Block level: Organizational Hierarchy (Different departments). Village level: Role of Elected and officials.**

**Unit V**

**Scheme Of The Fundamental Rights & Duties: Fundamental Duties - the legal status.**

**Scheme Of The Fundamental Rights - To Equality, to certain Freedom Under Article 19, to Life And Personal Liberty Under Article 21.**


**Suggested Reading:**

1. **The Constitution of India, 1950 (Bare Act), Government Publication.**
2. **Dr. S. N. Busi, Dr. B. R. Ambedkar, Framing of Indian Constitution, 1st Edition, 2015.**
3. **M. P. Jain, Indian Constitution Law, 7th Edn., Lexis Nexis, 2014.**
4. **D.D. Basu, Introduction to the Constitution of India, Lexis Nexis, 2015**

**Online Resources:**

<http://www.nptel.ac.in/courses/103107084/Script.pdf>

Period	1	2	3	L	4	5	6
Time	9.10 to 10.10	10.10 to 11.10	11.15 to 12.15	U	1.00 to 2.00	2.00 to 3.00	3.05 to 4.05
MON				N			
TUE				C			
WED	Indian constitution			H			
THU				B			
FRI				R			
SAT				E			
				A			
				K			


  
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## Time table


Name of the value added course	Course code	Year of offering	No of time offered during the same year	Duration	No of students enrolled	Number of students completing course in the year
Indian constitution	18EG M 01	2019-20	1	30 hrs.	129	129

## List of participants


S.No	Hall Ticket No	Name of the student
1	160117734019	K ABHIRAM
2	160117734022	GULAGATTU BHARATH KUMAR
3	160117734037	G MOHAN
4	160117734307	B MAHESH KUMAR
5	160118734001	KUMMARI CHANDRAKALA
6	160118734002	PUTLA DHARANI
7	160118734003	GUJJA INDRANI
8	160118734004	KAVYA TAMMALI
9	160118734005	CHIMARLA KEERTHANA

  
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10	160118734006	SOLIPURAM KEERTHANA REDDY
11	160118734007	KHYATI BHAREDWAJ
12	160118734008	JAGATHKARI LAXMIPRIYA
13	160118734009	KASHA MAHATHI
14	160118734010	MYAKA MANIDEEPIKA REDDY
15	160118734011	NAZIYA BEGUM
16	160118734012	P NEHASREE
17	160118734013	PRAVEENA BOBBALA
18	160118734014	BAKKAREDDY PRIYANKA
19	160118734015	ERPULA RANI
20	160118734016	BATTULA RASAGNA
21	160118734017	KANDANELLY SAHITHI PRIYA RATHOD
22	160118734018	DARAPU SAI AKSHAYA
23	160118734019	SHIVARATHRI SRAVANI
24	160118734020	NARAYANA SRINIDHI REDDY
25	160118734021	VATTIKONDA SUSHMITHA
26	160118734022	SANIKOMMU VAISHNAVI
27	160118734023	BURRA VARSHITHA
28	160118734024	THODUPUNURI VASAVI
29	160118734025	VINUTHNA REDDY GUTHA
30	160118734026	KANTHALA ADITH CHANDRA
31	160118734027	KULAKARNI ADITHYA
32	160118734028	MOHAMMED AMAAN FAROOQUI
33	160118734029	K CHINNA RAMUDU
34	160118734030	KOBBAI DILEEP KUMAR
35	160118734031	KSHITEISSH BHARADWAJ
36	160118734032	AGGADI MANI DEEP
37	160118734033	NABEEL KHAN
38	160118734034	NAMAN GUPTA
39	160118734035	AMANCHI NAVEEN
40	160118734036	NAVID PABANI
41	160118734037	NARAYANA NITHIN

  
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 Gandipet, Hyderabad - 75


42	160118734039	GUGGILLA RAGHAVESHWAR
43	160118734040	MOTUPALLI RAMA KRISHNA SAI
44	160118734041	ARRA RASHMITH REDDY
45	160118734042	CHILLAMCHARLA SAI RAGHU
46	160118734043	D SAI SIDHARTH KSHYAP
47	160118734044	MOTHUKURI SAI SRINIVAS
48	160118734045	VANGALA SAI SRUJAN
49	160118734046	GUDIMALLA SANJAY
50	160118734047	M SHANMUKHESH
51	160118734049	BOGE SIDDARTH
52	160118734050	SUHAS REDDY M
53	160118734051	G TARUN
54	160118734052	NUGURI TARUN
55	160118734053	VEERAPRADYUN GONUGONDLA
56	160118734054	KALVA VENU
57	160118734055	KATAKAM VINAY KUMAR
58	160118734056	CHENNA VINEETH
59	160118734057	VISHWAS P
60	160118734058	ZIYAD AHMED MOHAMMED
61	160118734061	BHARGAVI SINGAJOGI
62	160118734062	CHELLA MEENAKSHI S
63	160118734063	KAVYA PINNEBOINA
64	160118734064	LOHITHA REDDY ANNADI
65	160118734065	MANASVINI KOTTAPALLY
66	160118734066	SURUKANTI NISHITHA
67	160118734067	NISHMA REDDY KASTURI
68	160118734068	RACHEL A
69	160118734069	RISHITHA ARIKOTLA
70	160118734070	SAI VARSHA MAKTHAL
71	160118734071	SANDHYA KORRA
72	160118734072	THUMU SNEHA BHANDHAVI
73	160118734073	SOUMYA BANDLA
74	160118734074	GUDIVENUKA SRAVANTHI
75	160118734075	SADINENI SRAVANTHI
76	160118734076	SANKARNENI SRAVYA

  
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77	160118734077	SREE VIDYA GOLLA
78	160118734078	SUNITHA RANI PITLA
79	160118734079	UMMAY SALMA
80	160118734080	M ABHISHEK
81	160118734081	MUTHYALA ABHISHEKH
82	160118734082	AJAY GUNNALA
83	160118734083	MORE AKSHAY
84	160118734084	CHAKRAVARTHY DANGATLA
85	160118734085	CHERUPALLY CHARAN KUMAR
86	160118734086	DINESH BUKYA
87	160118734087	ESWAR TEJA CHAVA
88	160118734088	HARI KIRAN VAGIRI
89	160118734089	JAYANTH DARAMALLA
90	160118734090	JEEVAN KUMAR G
91	160118734091	GULLAPALLI LOKESH
92	160118734092	PANDULA MANIDEEP
93	160118734094	DONTHULA NAVEEN
94	160118734095	PRUDHVI MURUKUTLA
95	160118734097	RAKESH ANNAM
96	160118734099	SAI LOKESH REDDY NANDAVARAPU
97	160118734100	KOTHAKONDA SAI TEJA
98	160118734101	SAIKIRAN KOLLOJU
99	160118734102	LAKKARSU SAITEJA VARMA
100	160118734103	MD SAMEER KHAN
101	160118734104	SHERANK DASARATH
102	160118734105	SHIVA ANIMESH REDDY CHITTI
103	160118734106	SOHAN KUMAR RUSTUMPET
104	160118734107	SRI SAI WENKAT NIZAMPATNAM
105	160118734108	SRI VAMSI DEEVI
106	160118734109	SRINIVAS GAURAV JAMALPUR
107	160118734110	SUJITH REDDY MUTHYLA
108	160118734111	SUMANTH SETTY
109	160118734112	TARUN CH NSNS
110	160118734113	DODDI UDAY SHANKAR
111	160118734114	VENKATA MANIKANTA SAI AMALAKANTI
112	160118734115	VENKATA SAI VARUN P
113	160118734116	THADURI VENKATESH BABU
114	160118734117	MOVVA VINAY
115	160118734118	BODDU YESHWANTH KUMAR
116	160118734119	VENKANNAGARI YOGESH

  
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117	160118734301	BIRRU VEDAVYAS
118	160118734302	T KARTHIK
119	160118734303	MUNJA YAMINI
120	160118734304	RAMAVATH SAIKUMAR
121	160118734305	AJAY KUMAR SAHANI
122	160118734306	KURMA RAVI
123	160118734307	DOKILE UMESH
124	160118734308	RAYABARAPU NAVYA
125	160118734309	VADDADI VIKAS
126	160118734310	VALUPADASU BUDDIK VARARAJ
127	160118734311	NENAVATH PRASHANTH
128	160118734312	GANASALA HEPSIBA RANI
129	160118734313	P CHAKRADHAR

  
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