

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075

1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2

AY:2020-2021

S.No	Name of the value added courses (with 30 or more contact hours) offered
1	BUILDING DATA-DRIVEN SOLUTIONS USING DATA ANALYTICS WITH L AND DL ALGORITHM
2	Community engagement
3	Fresh man course
4	Indian Constitution
5	Ancient Indian Knowledge
6	Environmental science
7	Wild life Ecology
8	Bio interface Engineering
9	Biomechanics of Joints and Orthopaedic implants
10	Biomedical Nanotechnology
11	Cell culture technologies
12	Computer Aided drug design
13	Conservation Economics
14	Drug delivery principles and Engineering
15	Ecology and Environment
16	Forest and their Management
17	Human Molecular Genetics
18	Introduction to Mechanobiology
19	Introduction to Proteogenomics
20	Introduction to proteomics
21	Legal and regulatory issues in biotechnology
22	Neuroscience of Human Movements
23	Organic farming for sustainable Agriculture production
24	Patent law for engineers and scientists
25	Principle and Practices of process Equipment and plant design
26	Structural Biology
27	Functional Genomics
28	Technologies for clean and Renewable energy production
29	Web development
30	Algorithmic toolbox
31	Android app development
32	Python Bootcamp
33	Basics of Machine Learning
34	C & C++
35	Functions in Python
36	Cyber security
37	Responsive web design
38	Programming for Everybody (Getting Started with Python)
39	Crash course on python



*G. Arindha*

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S.No	Name of the value added courses (with 30 or more contact hours)offered
40	Introduction to software product management
41	AI for every one
42	Getting started in google analytics
43	Using python access the web data
44	Python for data structures
45	Deep Learning using python
46	Google IT support
47	The fundamentals of digital marketing
48	Introduction to Cybersecurity Tools & Cyber Attacks
49	IT Fundamentals for Cybersecurity
50	Artificial Intelligence
51	Machine Learning
52	The Joy of Computing using Python
53	Programming in java
54	Programming with python
55	Full Stack with Django and React
56	Introduction to machine learning
57	The bits and bytes of computer networking
58	Operating systems and you
59	System administration and IT infratructue services
60	IT Security
61	Advanced Styling with Responsive Design
62	Introduction to HTML5
63	Interactivity with javascript
64	Java and python
65	Introduction to C# programming and unity
66	Full Stack Development
67	Using python to interact with operating system
68	Introduction to game development
69	Getting started with AWS and machine learning
70	Introduction to CSS3
71	Front-End development with react
72	Essential Mathematics for Machine Learning
73	Essential Datascience with R software-2
74	Advanced Graph Theory
75	Privacy and security in online social media
76	Engineering Mechanics-I
77	Programming for Problem Solving
78	Programming for Problem Solving Lab



*A. Arindam*

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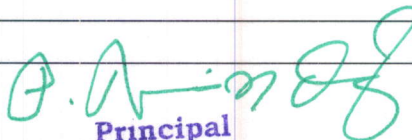
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S.No	Name of the value added courses (with 30 or more contact hours) offered
79	A hands on practice of House wiring, carpentry and plumbing
80	Communicative English
81	Basic Electrical Engineering
82	Communication Skills Lab
83	Basic Electrical Engineering Lab
84	Drafting with AUTOCAD
85	Basics of Data Structures
86	Basics of Data Structures Lab
87	Professional Etiquette
88	Indian Heritage and Culture
89	Fundamentals of Management
90	Fundamentals of Virtual Reality
91	Object Oriented Programming Using Java
92	Quantum Computing
93	Engineering Economics and Accountancy
94	Advanced Simulation Lab
95	Basics of Machine Learning Using Python
96	A Journey towards Entrepreneurship
97	Gender Equality
98	Disaster Control and response
99	Fundamentals of DBMS
100	Python for Data Science
101	Programming, Data Structures And Algorithms Using Python
102	Introduction to Internet of Things
103	Data Science for Engineers
104	Deep Learning
105	Introduction to Machine Learning
106	The Joy of Computing using Python
107	A basic course on research
108	Writing Research Papers
109	Value Education
110	Cost Management of Engineering Projects
111	Business Analytics & Text Mining Modeling Using Python
112	Financial Statement Analysis and Reporting
113	English lab
114	Technical Presentation
115	Engineering Exploration
116	Engineering Economics and Accountant
117	Basics of Cyber Security (BCS)
118	History of Science and Technology



  
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S.No	Name of the value added courses (with 30 or more contact hours) offered
119	Industrial Exposure
120	Machine Learning Using Python
121	Industrial Administration and Financial Management (IAFM)
122	IOT and Applications
123	Work System Design
124	Mechanical Measurement Systems
125	Robotics and Control: Theory and Practice
126	Innovation by Design
127	Data Base Management System
128	NPTEL Believer
129	Deep Learning
130	Numerical Methods for Engineers
131	Industrial Safety Engineering
132	Automation in manufacturing
133	Design Thinking - A Primer.
134	Aircraft Propulsion
135	Data Science Math Skills
136	Enhancing Soft Skills & Personality
137	Programming for Everybody (Getting started with Python)
138	Python Data Structure
139	Data Science -Internshala
140	Solidworks-Internshala
141	Data Structures & Algorithms-Internshala
142	Introduction to Artificial Intelligence (AI)
143	Introduction to CSS3
144	Introduction to HTML5
145	Mechanics of Materials II: Thin Walled Pressure Vessels and Torsion
146	ATAL online FDP on "BLOCK CHAIN"
147	International Workshop on "Building Data Driven Solution Using Data Analytics With L And DI Algorithm"
148	STTP on "Data Science For Big Data Analytics In Cloud Using Adv Tool" PHASE _1
149	ATAL FDP on Quantum Computing
150	IT Security: Defense against the digital dark arts
151	System Administration and IT Infrastructure Services
152	Academic English: Writing
153	Advanced Business Analytics
154	Advanced Machine Learning
155	Advanced Relational Database and SQL
156	Agile Development
157	Agile Meets Design Thinking



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S.No	Name of the value added courses (with 30 or more contact hours) offered
158	AI For Everyone
159	AI for Medical Diagnosis
160	AI for Medicine
161	Algorithmic Thinking (Part 1)
162	Algorithmic Thinking (Part 2)
163	Algorithmic Toolbox
164	Algorithms, Data Collection, and Starting to Code
165	Algorithms, Part I
166	Algorithms, Part II
167	An Introduction to Interactive Programming in Python (Part 2)
168	An Introduction to Programming the Internet of Things (IOT)
169	Analyze Stock Data using R and Quantmod Package
170	Android App Components - Intents
171	Android App Development
172	Anomaly Detection in Time Series Data with Keras
173	API Design and Fundamentals of Google Cloud's Apigee API Platform
174	Applied Data Science with Python
175	Applied Machine Learning in Python
176	Applied Text Mining in Python
177	Architecting with Google Compute Engine
178	Art for Games
179	Asset Creation and Management
180	Astronomy: Exploring Time and Space
181	Automating Real-World Tasks with Python
182	AWS Fundamentals
183	AWS Fundamentals: Going Cloud-Native
184	Basic Sentiment Analysis with TensorFlow
185	Basic Statistics
186	Big Data
187	Big Data and Machine Learning on GCP
188	Big Data,Data Engineering with Google Cloud
189	Big Data,Introduction to Big Data
190	Bioinformatics,Finding Hidden Messages in DNA (Bioinformatics I)
191	Bitcoin and Cryptocurrency Technologies
192	Blockchain Revolution
193	Blockchain: Foundations and Use Cases
194	Bootstrap 4
195	Browser-based Models with TensorFlow.js



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S.No	Name of the value added courses (with 30 or more contact hours) offered
196	Buddhism and Modern Psychology
197	Build Your First Android App (Project-Centered Course)
198	Building Database Applications in PHP
199	Business English Communication Skills
200	Business English: Networking
201	C for Everyone: Structured Programming
202	C# Programming for Unity Game Development
203	Capstone: Retrieving
204	Career Success
205	Character Setup and Animation
206	Chinese for Beginners
207	Cloud Architecture with Google Cloud
208	Cloud Computing
209	Cloud Computing Basics (Cloud 101)
210	Cloud Computing Concepts
211	Clustering Geolocation Data Intelligently in Python
212	Communication Skills for Engineers
213	Computational Thinking with Beginning C Programming
214	Computer Science: Programming with a Purpose
215	Computer Vision Basics
216	Configuration Management and the Cloud
217	Convolutional Neural Networks
218	Core Interaction Programming
219	COVID19 Data Analysis Using Python
220	Create Your First Web App with Python and Flask
221	Creating Cutscenes in Unity
222	Current Gen 3D Game Prop Production
223	Custom Prediction Routine on Google AI Platform
224	Cybersecurity and Its Ten Domains
225	Cybersecurity Compliance Framework & System Administration
226	Cybersecurity: Developing a Program for Your Business
227	Data Collection and Processing with Python
228	Data Engineering
229	Data Manipulation at Scale: Systems and Algorithms
230	Data Mining
231	Data Science at Scale
232	Data Science Ethics
233	Data Structures



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S.No	Name of the value added courses (with 30 or more contact hours) offered
234	Data Structures and Algorithms
235	Data Visualization
236	Deep Learning
237	Design Thinking for the Greater Good: Innovation in the Social Sector
238	Developing Applications with Google Cloud Platform
239	DevOps Culture and Mindset
240	Essential Google Cloud Infrastructure: Foundation
241	Excel Skills for Business
242	Excel Skills for Business: Advanced
243	Excel Skills for Business: Essentials
244	Excel Skills for Business: Intermediate I
245	Excel Skills for Business: Intermediate II
246	Express and MongoDB
247	Facial Expression Recognition with Keras
248	Financial Markets
249	First Step Korean
250	From Data to Insights with Google Cloud Platform
251	Front-End JavaScript Frameworks: Angular
252	Front-End Web Development with React
253	Front-End Web UI Frameworks and Tools: Bootstrap 4
254	Full Stack Web and Multiplatform Mobile App Development
255	Full-Stack Web Development with React
256	Fundamentals of Computer Network Security
257	Fundamentals of Computing
258	Fundamentals of Graphic Design
259	Fundamentals of Network Communication
260	Game Design and Development
261	Game Design and Development, Introduction to Game Development
262	Game Design and Development, Kotlin for Java Developers
263	Getting Started with AWS Machine Learning
264	Google Cloud Platform Big Data and Machine Learning Fundamentals
265	Google Cloud Platform Fundamentals: Core Infrastructure
266	Google IT Automation with Python
267	Google IT Support
268	Grammar and Punctuation
269	Graphic Design
270	How Google does Machine Learning
271	How to Play Guitar, Web Design for Everybody: Basics of Web Development & Coding



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S.No	Name of the value added courses (with 30 or more contact hours) offered
272	IBM Cybersecurity Analyst
273	Ideas from the History of Graphic Design
274	Image Classification with CNNs using Keras
275	Image Compression with K-Means Clustering
276	Image Denoising Using AutoEncoders in Keras and Python
277	Image Super Resolution Using Autoencoders in Keras
278	Improve Your English Communication Skills
279	Improving Deep Neural Networks: Hyperparameter tuning
280	Inspirational Leadership: Leading with Sense
281	Integrating Scripts for Scene Interactions
282	Interaction Design
283	Interfacing with the Raspberry Pi
284	Intermediate Relational Database and SQL
285	Internet of Things
286	Introduction to Java
287	Introduction to Big Data
288	Introduction to Blockchain Technologies
289	Introduction to Cloud Identity
290	Introduction to Cybersecurity Tools & Cyber Attacks
291	Introduction to Data Analytics for Business
292	Introduction to Data Science in Python
293	Introduction to Deep Learning
294	Introduction to Discrete Mathematics for Computer Science
295	Introduction to Git and GitHub
296	Introduction to HTML
297	Introduction to Imagemaking
298	Introduction to Psychology
299	Introduction to Relational Database and SQL
300	Introduction to Scripting in Python
301	Introduction to Search Engine Optimization
302	Introduction to Self-Driving Cars
303	Introduction to Structured Query Language (SQL)
304	Introduction to TensorFlow for Artificial Intelligence
305	Introduction to the Internet of Things and Embedded Systems
306	Introduction to Typography
307	Introduction to UI Design
308	Introduction to Web Development
309	Java for Android



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S.No	Name of the value added courses (with 30 or more contact hours) offered
310	JavaScript, jQuery, and JSON
311	Journey of the Universe: A Story for Our Times
312	Launching into Machine Learning
313	Learn English: Intermediate Grammar
314	Learn Spanish: Basic Spanish Vocabulary
315	Learn SQL Basics for Data Science
316	Learn to Teach Java
317	Learning How to Learn: Powerful mental tools to help you master tough subjects
318	Lighting, Reflection and Post Processing Effects
319	Low Poly Art For Video Games
320	Machine Learning
321	Machine Learning for Business Professionals
322	Machine Learning Foundations: A Case Study Approach
323	Machine Learning with TensorFlow on Google Cloud Platform
324	Mathematical Thinking in Computer Science
325	Mathematics for Data Science
326	Mathematics for Machine Learning
327	mercadeo digital
328	Moral Foundations of Politics
329	Multiplatform Mobile App Development with NativeScript
330	Multiplatform Mobile App Development with Web Technologies: Ionic and Cordova
331	Natural Language Processing
332	Natural Language Processing in TensorFlow
333	Natural Language Processing with Classification and Vector Spaces
334	Neural Network from Scratch in TensorFlow
335	Neural Networks and Deep Learning
336	Object Oriented Java Programming: Data Structures and Beyond
337	Object Oriented Java Programming: Data Structures and Beyond
338	Object Oriented Java Programming: Data Structures and Beyond
339	Object Oriented Java Programming: Data Structures and Beyond
340	Object Oriented Java Programming: Data Structures and Beyond
341	Object Oriented Programming in Java
342	Object Oriented Programming in Java
343	Object Oriented Programming in Java
344	Object-Oriented Programming with Java
345	Operating Systems and You: Becoming a Power User
346	Oral Communication for Engineering Leaders
347	Parallel Programming in Java



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S.No	Name of the value added courses (with 30 or more contact hours) offered
348	Parallel, Concurrent, and Distributed Programming in Java
349	Perform Sentiment Analysis with scikit-learn
350	Performance Optimization in Unity
351	Pixel Art for Video Games
352	Portfolio Optimization using Markowitz Model
353	Practical Data Science with MATLAB
354	Predict Future Product Prices Using Facebook Prophet
355	Programming for Everybody (Getting Started with Python)
356	Programming Languages
357	Project Management: The Basics for Success
358	Python 3 Programming
359	Python Basics
360	Python Classes and Inheritance
361	Python Data Structures
362	Python for Everybody
363	Python Functions
364	Python Programming Essentials
365	Python Project: pillow
366	Rapid Gameplay Prototyping
367	Regularization and Optimization
368	Responsive Web Design
369	Responsive Website Basics: Code with HTML
370	Responsive Website Development and Design
371	RESTful API with HTTP and JavaScript
372	Retrieve Data using Single-Table SQL Queries
373	Search Engine Optimization (SEO)
374	Self-Driving Cars
375	Sequence Models
376	Server-side Development with NodeJS
377	Speak English Professionally: In Person
378	SQL for Data Science
379	Statistical Analysis with R for Public Health
380	Structuring Machine Learning Projects
381	Successful Negotiation: Essential Strategies and Skills
382	Support Vector Machines in Python
383	Swift 5 iOS Application Developer
384	Tables and Forms in HTML
385	Technical Support Fundamentals



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S.No	Name of the value added courses (with 30 or more contact hours) offered
386	TensorFlow in Practice
387	Trading Basics
388	Traffic Sign Classification Using Deep Learning in Python/Keras Sequence Models
389	Troubleshooting and Debugging Techniques
390	UI / UX Design
391	Unity Certified 3D Artist
392	Unity Expert Gameplay Programmer Certification Preparation
393	User Interface Design
394	Using Databases with Python
395	Using Python to Access Web Data
396	UX Design Fundamentals
397	Version Control with Git
398	Visual Elements of User Interface Design
399	Web Application Development: Basic Concepts
400	Web Applications for Everybody
401	Web Design for Everybody Capstone
402	Web Design for Everybody: Basics of Web Development & Coding
403	Web Design for Everybody: Basics of Web Development & Coding
404	Web Design: Strategy and Information Architecture
405	Web Design: Wireframes to Prototypes
406	Write Professional Emails in English
407	ATAL online FDP on "BLOCK CHAIN"
408	International Workshop on "Building Data Driven Solution Using Data Analytics With L And DI Algorithm"
409	STTP on "Data Science For Big Data Analytics In Cloud Using Adv Tool" PHASE _1
410	ATAL FDP on Quantum Computing
411	Chemical Process Safety
412	Polymers: concepts, properties, uses and sustainability
413	Advanced Thermodynamics and Molecular Simulations
414	Matlab Programming for Numerical Computation
415	Water and waste water treatment
416	Industry-Financial Management



*A. A. Singh*

**Principal**

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