

## List of Offered Projects for B.Tech 7th Semester - Autumn2022

Department of Computer Sc. & Engineering

Sl. No.	Project Topics
1	Predictive typing for Assamese
2	Phonetic searching for Assamese
3	Restricted domain translation from English to Assamese
4	Few shot learning for medical imaging
5	AI for handling respiratory diseases
6	Instapathology - making digital pathology mainstream
7	Geometric algorithms for computer vision
8	Geometric Machine learning
9	Data science for network and graph analysis
10	SDN and ML aided IoT Network
11	Green IoT
12	Privacy and Security in IoT network
13	Hardware implementation of ML algorithm.
14	CUDA implementation of community detection algorithm.
15	Development of malware injection and detection methods.
16	IoT enabled Edge Computing security
17	Gait Analysis of pedestrians using Computer Vision
18	A driving behavior profile application development
19	A crash alert prediction app
20	A study on Effect of screen time on learning ability
21	Graph theory based study on symmetry in genetic code table
22	Machine learning for medical imaging
23	Network analysis in GRN
24	Supervised learning for image feature classification.
25	Design and implementation of an web based to tool for preparation of ER digram (No development tools can be used)
26	Design and implementation of an web based to tool for preparation of DFD (No development tools can be used)
27	Texture filtering
28	Active learning for pattern classification
29	Audio finger printing
30	Singing vowel-space formation
31	Comparative Analysis of Similarity Measures in Audio Retrieval Systems
32	Word/Audio embedding for summarization using deep learning
33	Design and Development of a Virtual Reality System
34	Gesture Recognition

35	News Aggregation System
36	A survey on evolution of specialised hardware in Neural networks.
37	Deep learning in medical image computing for cancer imaging: A meta-analysis
38	Student result analyser: A web based application.
39	Video-text retrieval system for yoga asanas
40	A study on information fusion methods for crowd sensing applications
41	Link prediction-based influence maximization in online social networks
42	An academic Meta-review Generation system
43	Language identification framework in code-mixed social media text
45	Gait based human Identification using machine learning techniques
46	Study and evaluation of Machine learning and Deep learning methods for image segmentation
47	Research publication database of faculty members and students
48	Implementation and analysis of Deep Learning based Holographic Reconstruction Methods
49	Implementation of Deep Learning based image enhancement methods.
50	Machine learning
51	ML in Linux kernel tuning
52	Energy Efficient On-Demand routing in WSN
53	Intelligent Web Browser design

**To submit your project preferences follow the link:**

<https://forms.gle/UFGLNAKX6WE5ZVxZA>