

Details of 7th Semester Project for CAYm1, CAY m2 and CAY m3

2022 Passed Out Batch

Gr. No.	ASTU Roll No	Name	Name of Supervisor	Project Titles
1	180610028017	Bikram Kalita	Dr. R.K. Dutta	Design for Cutting and Welding Fixtures
	200650028001	Amrit Dutta		
	200650028002	Sunil Das		
2	190610002016	Bhavishya J. Saikia	Dr. K.K. Das	Numerical Investigation of Transient and Steady State Temperature Distribution Along a Fin Using Solid Works
	190610002033	Kuldip Nag		
	190610002037	Manav Shivam		
3	190610002007	Alauddin Ahmed	Mr. P.K Choudhury	Application of Plasma Pyrolysis for Treatment of Municipal Solid Waste (MSW)
	190810002018	Devraj Goswami		
	190610002053	Sonu Rabha		
4	190610002032	Kritartha Sarma	Dr. Manjuri Hazarika	Design and Fabrication of Rope making Machine for Plant Based fiber to Increase Productivity of Artisan
	190610102063	Ritu Parna Das		
	190610302033	Dixeeta Mudiari		
5	190610002009	Ananya Paul	Dr. Pradip Baishya	Estimation of Hazardous Gas Emitted from Municipal Solid Wastes: A Case Study of Guwahati City
	190610002039	Navadeep Khaound		
	190610002046	Rahul Shivam		
6	190610002034	Lairejam Napolean	Mr. Madhurjya Baruah	Design and Simulation of Small Hydraulic Turbine
	190610002036	Md. Iqbal Hussain		
	190610002028	Jintu Barman		
7	190610002013	Arunabh Borah	Ms. Mousumi Gogoi	Effects of Parameters on Performance of Earth Air Heat Exchanger System (EAHE)
	190610002025	Hrishikesh Joshi		
	190610002030	Kaushik Kalita		
8	190610302004	Acharjya Handique	Dr. Kalyan Kalita	Process Optimisation for Surface Roughness in Turning Operation
	200650002004	Phanibhusan Gogoi		
	200650002005	Prasanta Rai		
9	190610002055	Swarnav Saikia	Dr. Niharendu Saha	Effect of Addition of Nano Particles in Friction Stir Welding for Fabrication of Bimetallic Nano Composite
	190610002015	Bandeep Saikia		
	190610002056	Tridip Chetri		
10	190610002003	Abhinab Nath	Dr. S.K. Deb	Design and fabrication of Transportable Low- Cost Mechanical Ventilator Using Camshaft Mechanism
	190610002024	Hrishikesh Bharadwaj		
	190610002052	Siddhartha Das		
11	190610002011	Arindam Kashyap Roy	Dr. Devarshi Kashyap	A Study on the Thermal Behaviour of PCM Integrated in Traditional Clay Walls for Thermal Comfort in the Climate of Assam
	190610002017	Bikiran Saikia		
	190610002050	Sahil Ahmed		
12	190610002031	Koushik Kalita	Dr. Plabon Kakoti	Utilisation of Vehicular Waste Heat Using Thermodynamic Effect
	190610302007	Saragiyoti Das		
	190610302008	Anghu Brata Lahkar		
13	180810002013	Bedanga Chuita	Dr. P.K. Mahanta	

	190610002002	Abhigyan Sonowal		Design Fabrication and Testing of a Chainless Bicycle
	190610002020	Garish Terang		
	190610002026	Jaydeep Bey		
14	190610002008	Aman Kr. Roy	Dr. Manash Hazarika	Fabrication of Composite Material from Corn Cobs and Waste Plastic for Rooftop Thermal Insulation
	190610002038	Nasimul Islam Mondal		
	190610002045	Punit Chodhury		
15	190610002004	Abinash Dutta	Dr. Anil Borah	Ball Milling and Sintering Characteristics of WC+Co Powder Mixture with 5 wt% MoS ₂
	190610002023	Hemanta Kr. Dohutia		
	190610002049	Riyadh Choudhury		
16	190610002014	Ashish Kr. Ladha	Mr. Anirban Saha	Fabrication of Litter Collecting Machine
	190610302013	Anurag Barman		
	190611002042	Nilim Shekhar Bordoloi		
17	190611002024	Drishiti Singhal	Mr. S.S. Mallick	Design and Fabrication of Portable Floor Cleaner
	190611002029	Imran Nazir Ullah		
	190610002001	Aakrit Gogoi		
18	190610002010	Arabinda Sikder	Mr. Manash Bhuyan	Hybridisation of Specimen Cutting and Polishing Machine
	190610002035	Mandip Saikia		
	190610002043	Pinku Das		
19	190610002018	Chandrima Chakraborty	Mr. Piyush Singh	Fabrication of Rice Flour Sieving Machine for Household Purpose and Cottage Industries
	190610002041	Nisanta Goswami		
	190610302016	Argha Borthakur		
	190610302081	Shubham B. Goswami		
20	190610002027	Jimlee Patowary	Mr. B.I. Barbhuyan	Solar Energy as an Aid to Meet Electricity Demand in Kamrup Metropolitan District: A Machine Learning (ML) and Remote Sensing (RS) Analysis
	190610002044	Puja Nirmalia		
	190610002055	Vanshika Todi		
21	200650002001	Abhijit Dey	Dr. Monoj Baruah	Effect of Plasma Nitriding on Hardness of AlMgSi Alloy
	200650002002	Akash Protim Sarmah		
	200650002003	Debraj Das		
	200650002006	Souvik Dutta		
22	190610002005	Adrita Bailung	Mr. Jitul Baruah	Study of the Phenomenon of Drop Rebound from a Solid Interface
	190610002021	Gayatri Sharma		
	190611002018	Chayanka Kaushik		
23	190610002040	Nayanjyoti Barman	Dr. B.J. Phukan	Computational Work of Temperature and RH Control in a Tea Industry with the help ANSYS Software
	190610002047	Rajdeep Sen		
	190610002051	Shushil Raut		

2023 Passed Out Batch

GR. NO.	ASTU Roll NO.	Student Name	Supervisor Name	PROJECT TITLE
1	200610028015	Rekibuddin Ahmed	Dr. Anil Borah	Study of Effect of Plasma Nitriding on Al-4.28 Cu-1.6 Mg Alloy
	200610028003	Ashik Akhtar Hossen		

	203410728009	Bidyut Mali		
	200610028012	Palash Pratim Saikia		
2	200610102040	Kaustav Deka	Dr. Manash Hazarika	Fabrication and Investigation of a Cold Storage Chamber working by Peltier Effect
	200610002057	Rupjyoti Sarmah		
	200610002013	Ayan Thakuria		
3	200610002046	Pragyan Jyoti Saikia	Mr. Jitul Baruah	Numerical Analysis of Dynamic of air inside a biking Helmet
	200610302007	Amrit Jyoti Saikia		
	200610302041	Parijat Chetia Phukan		
	200610002065	Upamanyu Barkataki		
4	200610002009	Anurag Konwar	Dr. Pradip Baishya	Design and development of bio degradable carry bags.
	200610002022	Dipjyoti Chakravarty		
	200610002048	Prantik Dam		
	200610002052	Rajarshi Kashyap Sarmah		
5	200610002006	Angshuman Gogoi	Mr. Baharul Islam Barbhuyan	Electromagnetic Braking System
	200610002001	Abdul Hasim		
	200610002063	Somaditya Das		
	200812928035	Mahabir Prosad Sahu	Mr. P.K.Choudhury	Design and development of a Hybrid Motor Bike
6	200812928026	Nishat Tasnim Ahmed		
	200610028001	Abhilekh SarmahSurya		
	200610028019	Surya sekhar Paul		
	203410228007	Basundhara Das		
7	200610002038	Nasim Ahmed	Dr. N Saha	Construction of Solar Powered Air Purifier using Sustainable Environment friendly air filters
	200610002021	Dhritishmita Baruah		
	200612702001	Akshata Das		
	200610002034	Kuvenolu Dzudo		
8	200610002015	Bijoy Barman	Mr. Piyush Singh	Design and development of a multipurpose Agricultural Machine for Tilling and Sowing.
	200610002017	Birendra Panging		
	200610002024	Jianphun Ramei		
	200610002043	Plawan Mili		
9	200610002067	Sudarsan P.M. Barman	Dr. Manjuri Hazarika	Design and development of a 360-degree rotating car mechanism.
	200610002023	Gauranga Gogoi		
	200610002013	Biswadeep Saikia		
	200610002020	Dhiraj Nath		

10	210650002002	Junaid Ahmed Barbhuyan	Dr. Bashab Jyoti Phukan	Design and Fabrication of Automatic waste segregator.
	210650002004	Sanam Ahmed		
	200610002045	Prodit Kumar Nath		
11	200610002003	Akash Choudhury	Dr. Monoj Baruah	Design, development and fabrication of Agricultural Spraying Machine.
	200610002025	Jonak Pritam Kalita		
	200610002050	Promud Sahu		
	200610002055	Rohan Jidung		
12	200610002066	Zinku Rajbangshi	Mr. Anirban Saha	Design and fabrication of planting machine for gardening application.
	200610002060	Saurabh Saha		
	200610002029	Kaushik Doley		
13	200610002036	Md Najib Ahmed	Dr. P.K.Mahanta	Solar wireless electric vehicle charging system
	200610002053	Reetu Polo Phukan		
	200610002005	Alfred Hmar		
14	200610028008	Deiji Das	Dr. Manash Bhuyan	Design and fabrication of slag cleaning machine
	200610028010	Jishnu Sarma		
	200610028018	Tonmoy Saikia		
	200610028004	Bhagyashree Singha		
15	200610002059	Samridwhi Saikia	Mr. S S Mallick	Design and development of a refrigerated storage space using water cooled thermoelectric refrigeration system
	200610002040	Nirban Saha		
	200610002058	Samiran Das		
16	200610002007	Aniket Das	Dr. D Kashyap	Design and development of an ERI COCOON opener
	200610002010	Anurag Samaddar		
	200612802011	Muhammad Ahmad		
17	200610002019	Chandan Dhungel	Dr. S K Deb	Design and fabrication of Bevel Gear operated quick lifting screw jack
	200650002006	Terrain Deka Moran		
	200610002039	Nayan Jyoti Bordoloi		
	200610002018	Bishal Deka		
18	200610002033	Kunal Jyoti Sharma	Mr. Madhurjya Baruah	Design and fabrication of a foot step power generation
	200610002047	Pranab Nath		
	200612802014	Rajdeep Goswami		
19	200610002049	Priyanshu Permey	Mousumi Gogoi	Design and fabrication of solar powered solenoid engine
	200610002062	Shruti Taye		
	210650002003	Manoj Das		
20	200611002014	Devraj Debnath	Dr. Plabon Kakoti	Designing low-cost cart for traditional small-scale weavers and traders of Assam
	200612702008	Habibur Rahman Khan		

21	200610028002	Iftikar Hussain	Dr Kalyan Das	Testing of Welded Joints
	200610028009	Alomgir Hussain		
	200650028001	Amarjyoti Doley		

2024 Passed Out Batch

Gr. NO	ASTU ROLL NO.	NAME	Name of Supervisor	PROJECT TITLE
1	210610002045	Udipta Saikia	Dr. Anil Bora	To study and compare the calorific value of fire cakes on waste to energy
	210610002003	Alisha Phonglo		
	210611502060	Ayanabh Hazarika		
2	210610016011	Rekib Ahmed	Dr. Manash Hazarika & Mr. S S Mallik	Impact of temperature fluctuation on the quality of beverages
	210610016009	Panchurika Gogoi		
	210610116015	Mrinmoy Deka		
	210611016014	Nichita Das		
	210610216013	Atrika Protim Borgohain		
3	210611602056	Debarshi Bayan	Mr. Jitul Baruah	Design and fabrication of underwater inspection drone
	210610002030	Rishav Ranjan Borah		
	210610002036	Saptorshi Gupta		
4	210610002011	Himangshu Rajbongshi	Dr. Plabon Kakati	Design of a solid waste management plan for Assam Engineering College Campus
	210610002022	Neha Baishya		
	220650002005	Jyotirmoy Saloi		
5	210610302055	Deep Jyoti Deka	Mr. P K Choudhury	An experimental study of CNC turning operation on Aluminium Alloy
	210610002048	Vishal Sarma		
6	210610002006	Anupam Mahanta	Dr. Niharendu Saha	Design and fabrication of a sand shivering machine
	210610002016	Kaushik Kumar Goyari		
	210610002024	Parthiv Deb		
7	210610002023	Paran Sonowal	Mr. Piyush Singh	Design and fabrication of a winnowing machine for house hold application
	210610002037	Shreya Lopamudra		
	210610002046	Ujjal Gogoi		
8	210610002005	Ankita Dutta	Dr. Manjuri Hazarika	Design and development of a pendulum driven transport mechanism.
	210610002007	Ashutosh Barkataky		
	220650002004	Chinmoy Das		
	210610002028	Priyomjeet Saikia		

9	210610002017	Krishanu Baruah	Mr. B I Barbhuyan & Dr. B J PHUKAN	Design and optimization of a solar powered water pump system for sustainable irrigation
	210610002027	Prince Kakati		
	200610002004	Anish Nirola		
	210610002020	Madhurjya Pratim Baishya		
10	220610016018	Asim Bordoloi	Dr. Monoj Baruah	Effect of Goraphene on mechanical properties of series Aluminium alloy
	220650016001	Farhim Rahman		
	220650016002	Priyam Arandhara		
	210610216016	Musahid Ilahi		
11	210610002026	Pranjal Das	Mr. Anirban Saha	Design and fabrication of small-scale rice harvesting medicine
	210610302053	Abhijit Dey		
	210611002050	Ishanee Nandi		
12	210610002032	Roktim Gogoi	Mrs. Ridhi Bordoloi	Integrated compact sawing and grinding mechanised system
	210610002002	Agniv Dutta		
	210610002043	T Nipuka Swu		
13	210611002051	Nafis Raihan Barbhuyan	Dr. Dipanka Bhuyan	Fabrication of rain water harvesting system for household application
	210610002031	Ritisha Baruah		
	210610302054	Chinmoy Das		
14	210611002052	Nihar Ranjan Patra	Dr. P K Mahanta	Design and fabrication of dual purpose integrated Hacksaw and shaper machine
	210610002014	Jigyas Baruah		
	210610002008	Debashish Das		
15	210610016012	Krishadip Sarma	Dr. Manash Hazarika	Optimization of selection of optimal layout using Genetic Algorithm
	210610216013	Samar Jyoti Bhagawati		
16	210610002001	Abhilash Saikia	Mr. S.S Mallik	AI Driven approach for machine failure prediction
	210610002061	Udeпта Pathak		
	210610002021	Manish Sharma		
17	210610002042	Suryangshu Dutta	Dr. Monoj Baruah	Design of a mechanical gripper for holding different
	210610002009	Hemanta Rahang		
	210610002044	Tonmoy Hazarika		
	220650002006	Swarup Jyoti Das		
18	210610002012	Hriday Ranjan Deka	Ms. Moushumi Gogoi	A study on the vehicular emissions around AEC
	210610002029	Rajneet Bharali		
	210610002040	Sometnaro Chang		
19	210610002041	Suniramal Chattopadhaya	Dr. Plabon Kakati	Conceptualization and design of a portable, foldablefrisking booth with ergonomic consideration
	210611502058	Astha Sharma		

	210610002038	Subhadeep Mukherjee		
20	210610002035	Shubhrajyoti Bhuyan	Dr. K K Das	Design and fabrication of a prototype MQL system for machining
	210610002035	Sanjib Barman		
	210611502059	Debanga Patowary		
	220650002002	Afridi Ansari		