



ANNAI VAILANKANNI COLLEGE OF ENGINEERING

(A Christian Minority Institution)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Recognized under section 2(f) of UGC Act 1956

Website: www.avce.edu.in

Dr.R Angeline Prabhavathy
PRINCIPAL

AUTHENTICATION CERTIFICATE

This is to certify that the following number of students have undertaken Project Work /Field Work / Internships for the Academic Year 2022-2023

Academic Year	No. of Students undertaking Project Work	No. of Students undertaking Field Work	No. of Students undertaking Internship
2022-2023	84	229	68
TOTAL NUMBER OF STUDENTS: 381			
2022-2023	84	214	62
TOTAL NUMBER OF UNIQUE STUDENTS: 360			



Dr. R. Angeline Prabhavathy
06/09/2024

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ANNAI VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM - 629 401
KANYAKUMARI DIST.



Address:
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1.3.2 Percentage of students undertaking project work / field work / internships (Data for the latest completed academic year)

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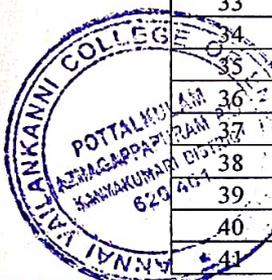
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SL.NO	NAME OF THE STUDENT	REGISTER NO	YEAR	PROJECT WORK	INTERNSHIP	FIELD WORK
1	Abinash E	960122104001	I			✓
2	Abinesh N	960122104002	I			✓
3	Anitha A	960122104005	I			✓
4	Anusiya M	960122104006	I			✓
5	Archana T	960122104007	I			✓
6	Ari Venkatesh N	960122104008	I			✓
7	Arockia Joe A	960122104009	I			✓
8	Arockia Rejaldo R	960122104010	I			✓
9	Deepak B	960122104011	I			✓
10	Devika V	960122104012	I			✓
11	Doni D	960122104013	I			✓
12	Esakiammal P	960122104014	I			✓
13	Ezhilan M	960122104015	I			✓
14	Ganesh M	960122104016	I			✓
15	Josewa A	960122104017	I			✓
16	Kaliyammal M	960122104018	I			✓
17	Karan M	960122104019	I			✓
18	Kartheesan S	960122104020	I			✓
19	Krithika B	960122104021	I			✓
20	Livin Raj P	960122104023	I			✓
21	Madhan Raj M	960122104024	I			✓
22	Madhumitha M	960122104025	I			✓
23	Madhu Priya G	960122104026	I			✓
24	Mahalakshmi T	960122104027	I			✓
25	Maria Saranya J	960122104028	I			✓
26	Mathan P	960122104029	I			✓
27	MuthuMari M	960122104030	I			✓
28	Pooja T	960122104032	I			✓
29	Puvaneswar M	960122104034	I			✓
30	Rabeena R	960122104035	I			✓
31	Rameena R	960122104037	I			✓
32	Sajin S	960122104039	I			✓
33	Sanjai I	960122104040	I			✓
34	Santhana Lakshmi M	960122104041	I			✓
35	Sathyabama G	960122104042	I			✓
36	Serina Dhas S	960122104043	I			✓
37	Shylam R	960122104044	I			✓
38	Sivabharathi B	960122104045	I			✓
39	Sivagami G	960122104046	I			✓
40	Suji S	960122104047	I			✓
41	Tamizh Selvan A	960122104048	I			✓



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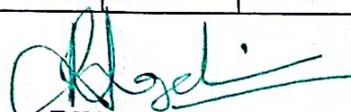


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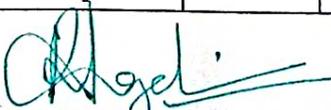


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42	Thomai Arul Ajies T	960122104049	I			
43	Thrisa S	960122104050	I			
44	Victoriya J	960122104052	I			
45	Vinoshia V	960122104053	I			
46	Vishnu S	960122104054	I			
47	Antony Bobin John J	960122106001	I			
48	Architha N	960122106002	I			
49	Augusto S	960122106004	I			
50	Chandra G	960122106006	I			
51	Ebenezer A	960122106008	I			
52	Elson Santra E	960122106009	I			
53	Glarance Wiseman M	960122106010	I			
54	Godlin Sharon W	960122106011	I			
55	Issaam Ratib T U	960122106012	I			
56	Jeba Selvi D	960122106013	I			
57	Kathirvel G	960122106014	I			
58	Kaviya T	960122106015	I			
59	Maruthesh S	960122106016	I			
60	Pirajicshan A	960122106017	I			
61	Ponsalini R	960122106018	I			
62	Prashiba S	960122106020	I			
63	Santhosh Kumar A B V	960122106022	I			
64	Saran Raj S	960122106023	I			
65	Selva Bharathi M	960122106024	I			
66	Shiva Thanu C	960122106025	I			
67	Sreeja K	960122106026	I			
68	Stanly Stuvet S	960122106027	I			
69	Subramaniyan K	960122106028	I			
70	Sudalai Mani N	960122106029	I			
71	Vennila M	960122106030	I			
72	Abishek Rajan M	960122114002	I			
73	Akilesh M	960122114003	I			
74	Ananth R M	960122114004	I			


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75	Aravindh K	960122114005	I		
76	Arun C	960122114006	I		
77	Bharath Dhayanithi B	960122114007	I		
78	Divin S	960122114009	I		
79	Inthrajith C	960122114010	I		
80	Jelin S	960122114011	I		
81	Kalyana Raman S	960122114012	I		
82	Siva P	960122114016	I		
83	Thibik U	960122114017	I		
84	Vidska Rigin A	960122114018	I		
85	Abinaya S L	960122243001	I		
86	Ajay J A	960122243002	I		
87	Akshen S	960122243003	I		
88	Aldrine Jasco S V	960122243004	I		
89	Anantha Kumaravel R	960122243005	I		
90	Ananthi B	960122243006	I		
91	Aravintha Selva P	960122243007	I		
92	Arunachalam Akash M	960122243008	I		
93	Babin Saravanan S R	960122243010	I		
94	Chandru S	960122243011	I		
95	Dinesh Balan M	960122243013	I		
96	Helina Sheely C	960122243014	I		
97	Jebastin Prabhu J	960122243016	I		
98	Kaline Rio Sylvia D	960122243017	I		
99	Kanish M	960122243018	I		
100	Kaviya J	960122243019	I		
101	Kiruthika B	960122243020	I		
102	Kitheri Sahaya Milcy T	960122243021	I		
103	Krishna Kumar	960122243022	I		
104	Mahesh B S	960122243023	I		
105	Maheswari M	960122243024	I		
106	Mini Gladis V	960122243026	I		
107	Moses L	960122243027	I		
108	Nishanth M A	960122243028	I		
109	Pon Sumily P	960122243029	I		


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110	Prathipa A	960122243030	I			
111	Rabinesh R	960122243031	I			
112	Rathisan R	960122243032	I			
113	Sabinesh V	960122243034	I			
114	Satha Singh M	960122243035	I			
115	Senthil M	960122243036	I			
116	Shama Prasad R T	960122243037	I			
117	Siva A M	960122243038	I			
118	Siva Pranesh R	960122243039	I			
119	Veersath M	960122243040	I			
120	Venice K Ebanazar K	960122243041	I			
121	ABISH R	960121103001	II			✓
122	ANU DHARSHINI N	960121103002	II			✓
123	BAVI K	960121103003	II			✓
124	DEVI S	960121103004	II			✓
125	JESHIKA S	960121103005	II			✓
126	PAVITHRA K	960121103008	II			✓
127	SNEHA N	960121103009	II			✓
128	SUBISHA J	960121103010	II			✓
129	SWETHA S	960121103011	II			✓
130	ESAKKI PANDI K	960121103302	II			✓
131	MAGESH M	960121103305	II			✓
132	MARIA AJITH M	960121103306	II			✓
133	RATHEESH C	960121103308	II			✓
134	SENTHIL KUMAR K	960121103310	II			✓
135	VINU C	960121103312	II			✓
136	AHILA E T	960121106301	II		✓	
137	ALWIN BINAKASH J	960121106302	II		✓	
138	BENO SAM J	960121106303	II		✓	
139	JEGAN GNANA MOORTHY M	960121106304	II		✓	
140	MYDEENISMAIL S	960121106305	II		✓	
141	NITHISH KUMAR A	960121106306	II		✓	
142	PETCHIAMMAL M	960121106307	II		✓	
143	PRABHAHAR S	960121106308	II		✓	
144	RANJITHA B	960121106309	II		✓	
145	SIVA C	960121106310	II		✓	

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146	SUMAN M	960121106311	II		✓	
147	THANUSHA T R	960121106312	II		✓	
148	VIGNESH M	960121106313	II		✓	
149	ABINESH K	960121114001	II		✓	
150	ANISH M	960121114002	II		✓	
151	ANNIES RAVIN R	960121114003	II		✓	
152	BEBIN RAJ E	960121114004	II		✓	
153	INFANT SANJAY A	960121114006	II		✓	
154	JEBIN A	960121114007	II		✓	
155	KARTHIGAISELVAN G	960121114008	II		✓	
156	KING SHERIN C	960121114009	II		✓	
157	KRISHNAN G	960121114010	II		✓	
158	MANIMURUGESWARAN A	960121114011	II		✓	
159	RAJA S	960121114013	II		✓	
160	RAM PRASAD S	960121114014	II			
161	SELVA G	960121114017	II			
162	SHIJO	960121114018	II			
163	SIVA RANJITH P	960121114019	II			
164	SUBIN K	960121114020	II			
165	SUBIN S	960121114021	II		✓	
166	SURESH M	960121114022	II			
167	THANUSH A	960121114023	II		✓	
168	TINIS CHRISTAN JOE T C	960121114024	II			
169	VINITH T	960121114025	II		✓	
170	ABDUL RASAK I	960121114301	II			
171	ABDUL RAZAK A	960121114302	II			
172	ABIRAM A	960121114303	II			
173	ABIRAM T	960121114304	II			
174	ABISHEK A L	960121114305	II			
175	AJAY A	960121114306	II			
176	AJAY R	960121114307	II			
177	AJITH J S	960121114308	II			
178	AJITH KUMAR G	960121114309	II			
179	ARAVIND V	960121114310	II			
180	ARUN GANDHI K	960121114311	II			


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181	CHANDRU S	960121114312	II			
182	DEVA PREETHA S	960121114313	II			
183	DHARMA SEELAN R	960121114314	II			
184	GRACIA SUJIN Y S	960121114315	II			
185	GURUBARAN R S	960121114316	II			
186	HARI SUBRAMANIAN M	960121114317	II			
187	JOSEPH DELIN X M	960121114318	II			
188	KARTHIK G	960121114319	II			
189	MAHIM ROSHAN A	960121114320	II			
190	MANIKANDAN K	960121114321	II			
191	MARIMUTHU M	960121114322	II			
192	MOHAMED ASHRAF ALI A	960121114324	II			
193	PALANI S	960121114325	II			
194	RAMACHANDRAN A	960121114327	II			
195	SABARI KANNAN S	960121114328	II			
196	SAMUEL RAJ D	960121114329	II			
197	SHANMUGA SELVAM M	960121114330	II			
198	SIVA ANAND R	960121114331	II			
199	SIVA KUMAR L	960121114332	II			
200	SRIRAM B	960121114333	II			
201	THANISH K	960121114334	II			
202	NISHA NANTHINI M S	960121243032	II			✓
203	PAVITHRA P	960121243034	II			✓
204	RACHEL D	960121243035	II			✓
205	SELVA PRIYA J	960121243042	II			✓
206	ADARSH KUMAR	960121414001	II	✓		
207	ANBARASAN R	960121414005	II	✓		
208	CHINNADURAI K	960121414009	II	✓		
209	GUNA SEKARAN A	960121414010	II	✓		
210	KARTHESAN A	960121414013	II	✓		
211	AMUTHA R	960121403001	II	✓		
212	BEMELIN LAL LAWRENCE	960121403002	II	✓		
213	JASMIN PRINCY J	960121403005	II	✓		
214	JERCY MONICA J	960121403006	II	✓		
215	MONISHA R B	960121403007	II	✓		
216	SURYA PRASANTH J	960121403015	II	✓		

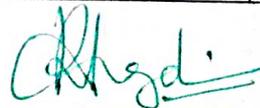

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217	HEMCY MOL A S	960121403023	II	✓		
218	DHAARANI S	960121405001	II	✓		
219	DIVYA R	960121405003	II	✓		
220	KRISHNA SATHEESH	960121405004	II	✓		
221	RALFENA MOL N	960121405010	II	✓		
222	SHAJINI MOL R J	960121405022	II	✓		
223	JENIN C	960120103002	III			✓
224	SNEKA C	960120103003	III			✓
225	THANESH KUMAR R	960120103004	III			✓
226	ALEX J	960120103301	III			✓
227	AYNASH JOSHUA T	960120103302	III			✓
228	BALA MURUGAN R	960120103303	III			✓
229	ESAIKUMAR J	960120103304	III			✓
230	PRINCE P R	960120103307	III			✓
231	PRINCY CHERIYAN	960120103308	III			✓
232	SAHAYA GREETES C	960120103310	III			✓
233	SINDHU M	960120103311	III			✓
234	AHSAN AKTHAR A	960120106001	III			✓
235	GANGA V	960120106002	III			✓
236	GANGA DEVI M	960120106003	III			✓
237	MAKENTH R	960120106004	III			✓
238	SANTHIYA R	960120106005	III			✓
239	SIVARAJ S	960120106006	III			✓
240	SREE VINISHA SHALINI P.S	960120106007	III			✓
241	THANUSHA T.S	960120106009	III			✓
242	BELWIN JOSHUA J	960120106303	III			✓
243	JUDESON BINO B	960120106304	III			✓
244	KARTHICK	960120106305	III			✓
245	SATHESSKUMAR C	960120106306	III			✓
246	SNEKA H	960120106307	III			✓
247	SUNDAR RAJA P	960120106308	III			✓
248	ABINESH M	960120114001	III			✓
249	AJIESH K	960120114002	III			✓
250	AJISH A	960120114003	III			✓
251	AMAL RAJ B	960120114004	III			✓
252	IBIN THISHOTH I	960120114005	III			✓

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253	KAVIN KUMAR K	960120114006	III			
254	MANIKANDAN P	960120114007	III			
255	MATHAN M	960120114008	III			
256	MESHAK G	960120114009	III			
257	MUKESH K	960120114010	III			
258	MURUGAN N	960120114011	III			
259	NARAYANA MANI P	960120114012	III			
260	NITHIN M	960120114013	III			
261	PON REBINCE Y	960120114014	III			
262	SANJAY M	960120114015	III			
263	SANTHOSH R	960120114016	III			
264	SETHUPATHI C	960120114017	III			
265	SIVA SABARISH K	960120114018	III			
266	SREE MANIKANDAN S	960120114019	III			
267	SRI RAJESH R	960120114020	III			
268	SUMITH RAJ M	960120114021	III			
269	SURENDAR J	960120114022	III			
270	THANISH T	960120114023	III			
271	ABISH K	960120114301	III			
272	AJAY DEV D T	960120114302	III			
273	ALDRIN ANTONY HARISH M	960120114303	III			
274	ARUL RAJ J	960120114306	III			
275	ARUN KANNAN V	960120114307	III			
276	ELBIN JOSHUA B	960120114310	III			
277	ESAKKIAPPAN A	960120114312	III			
278	GEORGE JOYSON G	960120114313	III			
279	KRISHNA BHARATHY K	960120114316	III			
280	PRAVEEN J	960120114322	III			
281	RAMA CHANDRAN T	960120114324	III			
282	RATHEESH R	960120114325	III			
283	SALAN VINISH S	960120114328	III			
284	SANJITH L	960120114329	III			
285	SIVANESH M	960120114333	III			
286	SOOSAI SHYAM C	960120114334	III			



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287	SOUNDHAR RAJAN K	960120114335	III			
288	SUDALAI MANI R	960120114336	III			
289	SURESH K	960120114337	III			
290	SUYAMBU LINGAM P	960120114338	III			
291	YESU RAJAN N	960120114339	III			
292	ANANTHA KANNAN S	960120114701	III			
293	CHITRA A	960119103001	IV	✓		
294	KARTHIKA C	960119103002	IV	✓		
295	LAKSHMI E	960119103003	IV	✓		
296	SUBINRAJ T	960119103004	IV	✓		
297	UMA R	960119103005	IV	✓		
298	RAJAN K	960119103301	IV	✓		
299	ABIRAMI .A	960119104001	IV	✓		
300	AJAY .M	960119104002	IV	✓		
301	ANTONY NIVI SNEHA .A	960119104003	IV	✓		
302	ASIA JULIET .S	960119104004	IV	✓	✓	
303	AVINESH .V	960119104005	IV	✓	✓	
304	BALA SURESH .K	960119104006	IV	✓		
305	ISHWARYA .P	960119104008	IV	✓		
306	KANAKAVALLI .L	960119104009	IV	✓		
307	KAVIN .M	960119104010	IV	✓		
308	LIPTO SHAJIN. R	960119104011	IV	✓		
309	MARIA PRATHIBA A	960119104012	IV	✓		
310	PRATHEESH .F	960119104013	IV	✓		
311	RANISHKA .M	960119104014	IV	✓		
312	RONALD .A	960119104015	IV	✓		
313	SIVA RANJINI.K	960119104017	IV	✓		
314	SOWMIYA .M	960119104018	IV	✓		
315	Aarathi S	960119106001	IV	✓		
316	Akalya M	960119106002	IV	✓		
317	Akilan N	960119106003	IV	✓		
318	Babisha M	960119106005	IV	✓	✓	
319	Dhanesh R	960119106006	IV	✓		
320	Jerisha C	960119106007	IV	✓	✓	
321	Kavitha V	960119106008	IV	✓	✓	
322	Liju L	960119106009	IV	✓		
323	Mable Vimala S	960119106010	IV	✓		
324	Nanthini A	960119106011	IV	✓	✓	
325	Nanthini N.S	960119106012	IV	✓	✓	
326	Naveen Kumar S	960119106013	IV	✓		
327	Ponsekar C	960119106014	IV	✓		
328	Rabisha R.V	960119106015	IV	✓		
329	Santhosh G	960119106016	IV	✓		
329	Santhosh G	960119106017	IV	✓		
330	Saranya T	960119106018	IV	✓	✓	
331	Thana Reka.R	960119106018	IV	✓		
332	ASHISH KUMAR .J	960119114002	IV	✓		



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333	BINOLIN .G.M	960119114003	IV	✓		
334	DINESH KUMAR .L	960119114004	IV	✓		
335	JENISH KUMAR .V	960119114005	IV	✓		
336	KARTHICK .A	960119114006	IV	✓		
337	KAVIYARASU .R	960119114007	IV	✓		
338	MIRLIN SANJAY .S	960119114009	IV	✓		
339	MUJISH .M	960119114010	IV	✓		
340	MUTHU VIJAYAN .T	960119114011	IV	✓		
341	NAGA SELVAN .S	960119114012	IV	✓		
342	NAVEEN .V	960119114013	IV	✓		
343	NITHEESH .R	960119114014	IV	✓		
344	PALANI RAJ .S	960119114015	IV	✓		
345	SANGEETH .S	960119114016	IV	✓		
346	SATHISH KUMAR .G	960119114017	IV	✓		
347	SIVA AKILESH .K	960119114019	IV	✓		
348	SIVA SANKAR .N	960119114020	IV	✓		
349	SUMITHRA .S	960119114022	IV	✓		
350	THANUSH .J	960119114023	IV	✓		
351	THARMA RAJ .M	960119114024	IV	✓		
352	UDAYA KUMAR .S	960119114025	IV	✓		
353	VASANTH .M	960119114026	IV	✓		
354	VINOTH R	960119114027	IV	✓		
355	YUVARAJA VISHNU .R	960119114028	IV	✓		
356	ABINESH A	960119114301	IV	✓		
357	ASHOK KUMAR C	960119114302	IV	✓		
358	GEORGE NISHANTH A	960119114304	IV	✓		
359	MUTHUKUMAR M	960119114305	IV	✓		
360	MOHANA RENGAN E	960119114701	IV	✓		


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CE 8811 - PROJECT WORK DETAILS

Sl.No	Batch No	REG NO	NAME OF THE STUDENT	THE SUPERVISOR WITH	TITLE OF THE PROJECT WORK
1	B-1	960119103001	CHITRA A	MRS.M.MORRIN GRACIDA,ME., Assitant Professor AVCE 9601173	Experimental Investigation on Behaviour Of Strength Aspects of Concrete Using COCO- PEAT
2		960119103003	LAKSHMI E		
3		960119103301	RAJAN K		
1	B-2	960119103002	KARTHIKA C	MS.J.REMILA, ME., Assistant Profesor AVCE 9601213	Comparison on Replacement of Oyster Shells as Coarse Aggregate in Concrete
2		960119103004	SUBINRAJ T		
3		960119103005	UMA R		

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**EXPERIMENTAL INVESTIGATION ON BEHAVIOR OF
STRENGTH ASPECTS OF CONCRETE USING
COCO-PEAT**

A PROJECT REPORT

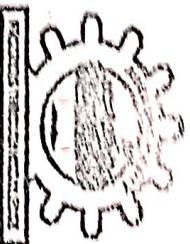
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LAKSHMI E	960119103003
CHITRA A	960119103001
RAJAN K	960119103301

in partial fulfillment for the award of the degree

of

**BACHELOR OF ENGINEERING
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**ANNAL VAILANKANNI COLLEGE OF ENGINEERING,
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MAY 2023

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BONAFIDE CERTIFICATE

Certified that project report "EXPERIMENTAL INVESTIGATION ON BEHAVIOR OF STRENGTH ASPECTS OF CONCRETE USING COCO-PEAT" is the bonafide work done by "LAKSHMI .E (969119103003), CHITRA. A (960119103001), RAJAN. K (960119103301)" who carried out the project work under my supervision.

M.Morrin
SIGNATURE

Mrs. M.MORRIN GRACIDA, M.E,

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EXTERNAL EXAMINER

S. Revilla



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ABSTRACT

Concrete is a construction material composed of cement, aggregates (fine and coarse aggregates), water and admixtures.

Today many researches are ongoing into the use of fine aggregate replacements, using many waste materials like, saw dust, wooden powder, sugar cane bagasse ash or sugarcane residue etc.

In this study, coco peat was used as a partial replacement to the concrete ingredient i.e. fine aggregate and the mechanical properties like compressive strength and split tensile strength were measured and the effect of coco peat on strength of concrete.

For checking strength effect of partial replacement of fine aggregate by coco peat, the fine aggregate is replaced at 1%, 2%, 3% and 4%.

The physical and chemical properties such as specific gravity, fineness modulus, water absorption etc., were experimentally determined.

For this study, concrete mixtures were prepared, for low grade M20. Strength studies like compressive strength and split tensile strength were conducted and comparisons have to be made with the conventional concrete.



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COMPARISION ON PARTIAL REPLACEMENT OF
OYSTER SHELLS AS COARSE AGGREGATE IN
CONCRETE

A PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

Certified that this project report "COMPARISON ON
PARTIAL REPLACEMENT OF OYSTER SHELLS AS COARSE
AGGREGATE IN CONCRETE" is the bonafide work of "KARTHIKA.C,
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Ms. J.REMILA M.E

SUPERVISOR

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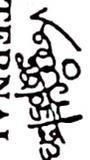
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ACKNOWLEDGEMENT

First I would like to thank the almighty GOD for this wonderful presence with us for selecting this project.

We express our profound gratitude to Mr.D.PETER JESUDHAS,M.B.A. Chairman of Annai Vailankanni College of Engineering for providing this grateful opportunity to take up this project.

We express our sincere thanks to our principal, Dr.A.ABILASH M.E.,PhD., Annai Vailankanni College of Engineering for having made available the required facilities for the successful completion of the project.

We express our sincere thanks to our head of the department Mrs.M.MORRIN GRACIDA M.E. who extended her helping hands and effective guidance for completing this project.

This is a great pleasure to express our deep sense of gratitude and thanks to our guide Miss. J. REMILA M.E for her ideas effective support and continued encouragement, which enabled for successful completion of this project.

We also express our thanks to other staff members of Civil Engineering Department for their valuable supports.



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CHAPTER-9

CONCLUSION

Based on this experimental study, it is concluded that the mix can be made by replacing oyster shell for coarse aggregate without decreasing strength. 15% of replacement of oyster shell for coarse aggregate has produced maximum compressive strength and split tensile strength.

The comparative with ordinary concrete with oyster shell replaced concrete gave better performance in strength. Thus the study gave the results in increasing the strength of the concrete by replacing the oyster shell for coarse aggregate.



A handwritten signature in green ink, appearing to be "Ajay", written over the printed name of the Principal.

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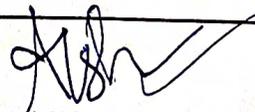
AVK Nagar, Pothaiyadi Salai, Azhagappapuram P.O,

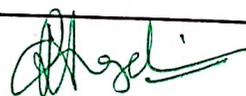
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CS 8811 - PROJECT WORK DETAILS

Sl.No	Batch No	REG NO	NAME OF THE STUDENT	NAME OF THE SUPERVISOR WITH STAFF ID	TITLE OF THE PROJECT WORK
1	B-1	960119104003	ANTONY NIVI SNEHA A	Mrs.Anon K Jenifer ME., Assistant professor AVCE	LEAF DISEASE IDENTIFICATION USING IMAGE PROCESSING BASED ON CNN ALGORITHM
2		960119104009	KANAKAVALLI L		
3		960119104017	SIVARANJINI K		
1	B-2	960119104005	AVINESH V	Mrs.Sweety Amiss ME., Assistant professor AVCE	VOICE BASED ONLINE EXAMINATION FOR VISUALLY CHALLENGED CANDIDATES
2		960119104006	BALA SURESH K		
3		960119104010	KAVIN M		
1	B-3	960119104001	ABIRAMI A	Mrs.Sivakala.S ME., Assistant professor AVCE	REAL TIME CLICKBAIT AND BIOMETRIC ATM USER AUTHENTICATION AND MULTIPLE BANK TRANSACTION SYSTEM
2		960119104014	RANISHKA M		
3		960119104015	RONALD A		
1	B-4	960119104012	MARIA PRATHIBA A	Mrs.Anon K Jenifer ME., Assistant professor AVCE	MALICIOUS MINING CODE DETECTION USING MACHINE LEARNING ALGORITHMS
2		960119104013	PRATHEESH F		
3		960119104018	SOWMIYA M		
1	B-5	960119104004	ASIA JULIET S	Mrs.Anon K Jenifer ME., Assistant professor AVCE	DRIVER DRWSINESS DETECTION BASED ON FACE FEATURE AND PERCLOS
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PRINCIPAL

LEAF DISEASE IDENTIFICATION USING IMAGE PROCESSING BASED ON CNN ALGORITHM

A PROJECT REPORT

Submitted by

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SIVARANJINI K (960119104017)

In partial fulfillment for the award of the degree

of

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IN

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BONAFIDE CERTIFICATE

Certified that this report "LEAF DISEASE IDENTIFICATION USING IMAGE PROCESSING BASED ON CNN ALGORITHM" is the bonafide work of ANTONY NIVI SNEHA A (960119104003), KANAKAVALLI L (960119104009), and SIVARANJINI K (960119104017) who carried out the project work under my supervision.


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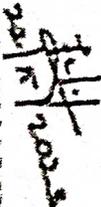
Engineering,

Pottalkulam, kanyakumari.

Submitted for the project viva voice held on. 22.05.2023 at Annai

Vailankanni College of Engineering, Pottalkulam, Kanyakumari.


INTERNAL EXAMINER


EXTERNAL EXAMINER



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ABSTRACT

The detection of plant leaf is a very important factor to prevent serious outbreak. Automatic detection of plant disease is essential research topic. The commitment of a plant is very imperative for both human life and condition. More often than not when the illness of a plant has not been dealt with, the plant bites the dust or may cause leaves drop, blossoms and organic products drop and so on . In this paper, we have presented a strategy named as Bacterial searching improvement based Convolution Neural Network (CNN) for recognizable proof and characterization of plant leaf illnesses naturally. For doling out ideal weight to Convolution Neural Network (CNN) we utilize bacterial searching streamlining (BFO) that further expands the speed and exactness of the system to recognize and arrange the districts tainted of various infections on the plant leaves.



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CHAPTER 9

CONCLUSION AND FUTURE ENHANCEMENT:

9.1 Conclusion:

The plant serves as the basic need for any living organisms. They are the most important and integral part of our surroundings. Just like a human or other living organism does plant do suffer from different kind of diseases. Such diseases are harmful to plant in a number of ways like can affect the growth of the plant, flowers, fruits, and leaves etc. due to which a plant may even die. So in this work, we have proposed a novel method named as Bacterial foraging optimization based Convolution Neural Network (BCNN) for identification and classification of plant leaf diseases. The results, when compared with other methods, show that the proposed method achieves higher performance both in terms of identification and classification of plant leaf diseases.

9.2 Future enhancement:

In future work, we can extend our approach to improve the accuracy using neural network classification algorithms in order to increase the recognition rate and severity of the detected disease.



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**VOICE BASED ONLINE EXAMINATION FOR
VISUALLY CHALLENGED CANDIDATES**

A PROJECT REPORT

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BALA SURESH K (960119104006)

KAVIN M (960119104010)

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Certified that this project report "Voice based Online Examination for Visually Challenged Candidates " is the bonafide work of Avinesh V (960119104005), Bala Suresh (960119104006), Kavim M (960119104010) who carried out the project work under my supervision.


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ABSTRACT

The evaluation of physically challenged is always a challenging task as any evaluation of them is compared with that of normal candidates. The case of visually challenged is still more difficult as vision is a numero uno sensor in the field of study and knowledge enhancement and evaluation of them on pair with another candidate is very difficult. The aim of this project is to present an approach for E-evaluation model for the visually challenged students/candidates for the screening tests conducted by the different voice based examination authorities. The major attempt is made to use the personal computer and avoid the use of a scribe by the candidate so that candidate can take the voice based exam independently. This voice recognition using Google Text To Speech Algorithm (GTTS). A portion of the PC keyboard is slightly modified in its software functionality to help them in undergoing the test using GTTS. Also described is the functioning of this model of E-Evaluation and its relative advantages.



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CHAPTER 10

CONCLUSION AND FUTURE ENHANCEMENT

Online Voice based examination has been developed and the system was tested with proper data. The system results in regular timing preparation of the required output. In comparison with the manual system, the benefit under a computer system considerable in to saving of manpower, working hour and efforts.

It can observe that the information required can be obtained with ease and accuracy in the computerized system. The user with minimum knowledge about computer can be able operate the system easily. Online message has been provided to help the user to take necessary, correct action while using the system. In future this software can be used by any institute as it can be modified easily; additional features can be added without interrupting the normal functioning of the system.



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**Real Time Secure Clickbait and Biometric ATM
User Authentication and Multiple
Bank Transaction System**

A PROJECT REPORT

Submitted by

ABIRAMI A (960119104001)

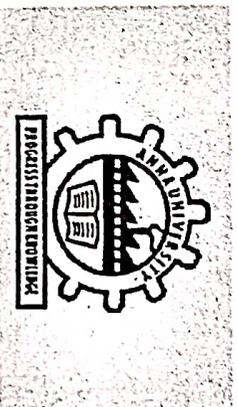
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IN**

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MAY 2023

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ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this report "REAL TIME SECURE CLICKBAIT AND BIOMETRIC ATM USER AUTHENTICATION AND MULTIPLE BANK TRANSACTION SYSTEM" is the bonafide work of Abirami A (960119104001), Ranishka M (960119104014), Ronald A (960119104015) who carried out the project work under my supervision.


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Vailankanni College Of Engineering, Pottalkulam, Kanyakumari.


23
INTERNAL EXAMINER

EXTERNAL EXAMINER



PRINCIPAL,
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ABSTRACT

ATM or Automated Teller Machines are widely used by people nowadays. Performing cash withdrawal transaction with ATM is increasing day by day. ATM is very important device throughout the world. The existing conventional ATM is vulnerable to crimes because of the rapid technology development. A total of 270,000 reports have been reported regarding debit card fraud and this was the most reported form of identity theft in 2021. A secure and efficient ATM is needed to increase the overall experience, usability, and convenience of the transaction at the ATM. In today's world, the area of computer vision is advancing at a breakneck pace. The recent progress in biometric identification techniques, including finger printing, retina scanning, and facial recognition has made a great effort to rescue the unsafe situation at the ATM. Specifically, the goal of this project is to give a computer vision method to solve the security risk associated with accessing ATM machines. This project proposes an automatic teller machine security model that uses electronic facial recognition using Deep Convolutional Neural Network. If this technology becomes widely used, faces would be protected as well as their accounts. Face Verification Clickbait Link will be generated and sent to bank account holder to verify the identity of unauthorized user through some dedicated artificial intelligent agents, for remote certification.



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CHAPTER 10

CONCLUSION AND FURTURE SCOPE

10.1 CONCLUSION

Biometrics as means of identifying and authenticating account owners at the Automated Teller Machines gives the needed and much anticipated solution to the problem of illegal transactions. In this project, we have developed to proffer a solution to the much-dreaded issue of fraudulent transactions through Automated Teller Machine by biometrics and Unknown face Forwarder that can be made possible only when the account holder is physically or far present. Thus, it eliminates cases of illegal transactions at the ATM points without the knowledge of the authentic owner. Using a biometric feature for identification is strong and it is further fortified when another is used at authentication level. The ATM security design incorporates the possible proxy usage of the existing security tools (such as ATM Card) and information (such as PIN) into the existing ATM security mechanisms. It involves, on real-time basis, the bank account owner in all the available and accessible transactions.



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**MALICIOUS MINING CODE DETECTION USING
MACHINE LEARNING ALGORITHMS**

A PROJECT REPORT

Submitted by

MARIA PRATHIBA A (960119104012)

PRATHEESH F (960119104013)

SOWMIYA M (960119104018)

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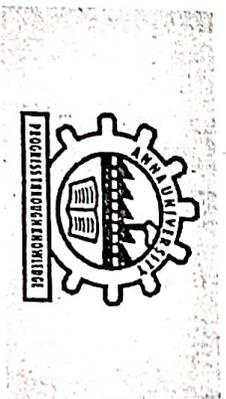
of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

ANNAIVALANKANNI COLLEGE OF ENGINEERING



KANYAKUMARI -629401

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MAY 2023

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BONAFIDE CERTIFICATE

Certified that this report "MALICIOUS MINING CODE DETECTION USING MACHINE LEARNING ALGORITHMS" is the bonafide work of Maria Prathiba A(960119104012), Prathesh F (960119104013), Sowmiya M (960119104018) who carried out the project work under my supervision.


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ABSTRACT

Malware detection developer faced a problem for a generation of new signature of malware code. A very famous and recognized technique is pattern-based malware code detection technique. This leads to the evasion of signatures that are built based on the code syntax. In this paper, we discuss some well-known method of malware detection based on semantic feature extraction technique. In current decade, most of authors focused on malware feature extraction process for generic detection process. The effectiveness of the Malicious Sequence Pattern Matching technique for malware detection invites for moderation and improvement of the current system and method. Some authors used rule mining technique, some other used graph technique and some also focused on feature clustering process of malware detection.



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CHAPTER 9

CONCLUSION AND FUTURE WORK

9.1 CONCLUSION

To develop a data-mining- based detection framework called Malicious Sequential Pattern based Malware Detection (MSPMD), which is composed of the proposed sequential pattern mining algorithm (MSPM) and SVM classifier. It first extracts instruction sequences from the PE file samples and conducts feature selection before mining; then MSPM is applied to generate malicious sequential patterns. For the testing file samples, after feature representation, SVM classifier is constructed for malware detection. The promising experimental results on real data collection demonstrate that our frame works out performs other alternate data mining base detection methods in identifying new malicious executables. Unlike the previous research which are unable to mined is criminative features, we propose to use sequence mining algorithm on instruction sequence to extract well representative features.



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**DRIVER DROWSINESS DETECTION BASED ON FACE
FEATURE AND PERCLOS**

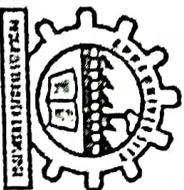
A PROJECT REPORT

Submitted by

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LIPTO SHAJIN R (960119104011)

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ABSTRACT

Driving vehicles are complex and require undivided attention to prevent road accidents. Fatigue and distraction are a major risk factor that causes traffic accidents, severe injuries, and a high risk of death. Some progress has been made for driver drowsiness detection using a contact-based method that utilizes vehicle parts such as steering angle and pressure on the pedal and physiological signals like electrocardiogram and electromyogram. However, a contactless system is more potential for real-world conditions. We propose a computer vision based method to detect driver's drowsiness from a video taken by a camera. The method attempts to recognize the face and then detecting the eye in every frame. From the detected eye, iris regions for left and right eyes are used to calculate the PERCLOS measure (the percentage of total time that eye is closed). The proposed method was evaluated based on public YawDD video dataset. The results found that PERCLOS value when the driver is alert is lower than when the driver is drowsy.



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CHAPTER 9

CONCLUSION AND FUTURE ENHANCEMENT

9.1 CONCLUSION

In this paper, we have presented the concept and implemented a system to detect driver drowsiness using computer vision which focuses to notify the driver if he is drowsy. The proposed system has the capability to detect the real time state of the driver in day and night conditions with the help of a camera. The detection of the Face and Eyes applied based on the symmetry. We have developed a non-intrusive prototype of a computer vision-based system for real-time monitoring of the driver's drowsiness.

9.2 FUTURE ENHANCEMENT

For future work, the objective will be to reduce the percentage error, that is, reduce the amount of false alarms. To achieve this, development of additional entities or experiments will be done, using better drivers and incorporating new analysis modules, for example, facial expressions(yawns).



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1	B-1	960119106001	AARTHI S	MR.J.JAYAKUMAR	SMART METER FIRMWARE FOR MONITOR AND CONTROL THE ELECTRICAL APPLIANCES CONSUMPTION
2		960119106003	AKILAN N		
3		960119106008	KAVITHA V		
4		960119106016	SANTHOSH G		
1	B-2	960119106011	NANTHINI A	MRS.E.RAJESHWARI	RTO DASHBOARD FOR VEHICLE ACCIDENT REPORTING AND RESCUE SYSTEM
2		960119106015	RABISHA V		
3		960119106014	PONSEKAR C		
4		960119106006	DHANESH R		
5		960119106009	LIJU L		
1	B-3	960119106017	SARANYA T	MR.R.ROBERT	LUNG CANCER DETECTION USING MAT LAB
2		960119106018	THANAREKA R		
3		960119106005	BABISHA M		
4		960119106013	NAVEEN KUMAR S		
1	B-4	960119106002	AKALYA M	MRS.P.RENUKA	IMPLEMENTATION OF BIOMETRIC ATTEDANCE IN SIMULATION LAB OF AVCE
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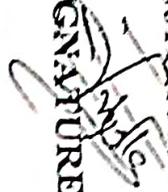
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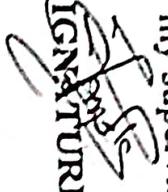
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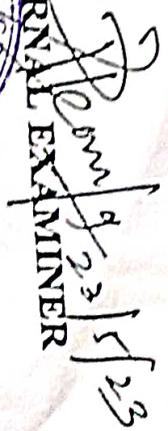
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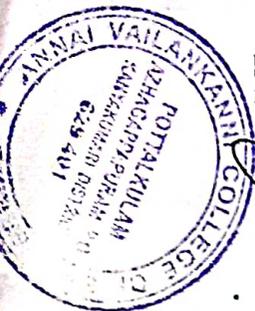
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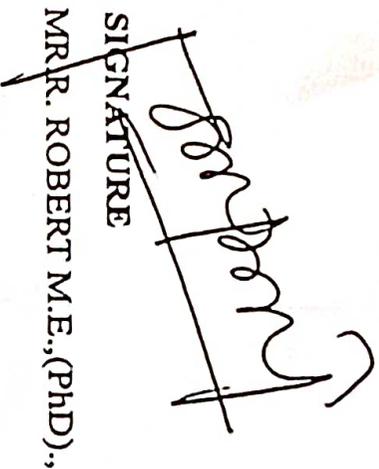
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1	B-1	960119114002	ASHISH KUMAR .J	Mr.Bijilson Mansingh B ME., Assistant professor AVCE 9601232	ANALYSIS OF AXIAL FLOW PROPELLER FAN
2		960119114003	BINOLIN .G.M		
3		960119114020	SIVA SANKAR .N		
4		960119114023	THANUSH J		
1	B-2	960119114004	DINESH KUMAR .L	Mr M ARUN JEYAKUMAR ME., Assistant professor AVCE 9613081	Cutting Tool with Multi-Coatings
2		960119114011	MUTHU VIJAYAN .T		
3		960119114024	THARMA RAJ .M		
4		960119114025	UDAYA KUMAR .S		
1	B-3	960119114005	JENISH KUMAR .V	Dr.N ABILASH PHD. PROFESSOR AVCE	A Fundamentally Approach to Air-Cooled Heat Exchangers
2		960119114010	MUJISH .M		
3		960119114026	VASANTH .M		
1	B-4	960119114007	KAVIYARASU .R	Mr.N.Manikandan ME., Assistant professor AVCE 9601005	Ultra High Temperature Ceramics For Hypersonic Vehicle Applications Especially Missile Nose Cones
2		960119114015	PALANI RAJ .S		
3		960119114016	SANGEETH .S		
4		960119114028	YUVARAJA VISHNU .R		
1	B-5	960119114017	SATHISH KUMAR .G	Mr.C. JEGATHESAN ME., Assistant professor AVCE 9601048	CFD ANALYSIS OF HEAT TRANSFER IN A HELICAL COIL HEAT EXCHANGER
2		960119114022	SUMITHRA .S		
3		960119114027	VINOTH R		
4		960119114304	GEORGE NISHANTH A		
1	B-6	960119114009	MIRLIN SANJAY .S	Mr.N.Manikandan ME., Assistant professor AVCE 9601005	Design and thermal analysis of rocket nozzle
2		960119114013	NAVEEN .V		
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4		960119114019	SIVA AKILESH .K		
1	B-7	960119114301	ABINESH A	MrJ PRABHU ME., Assistant professor AVCE 9501045	Design and analysis of solar panel supporting structure in wind effect
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1	B-8	960119114006	KARTHICK .A	MrJ PRABHU ME., Assistant professor AVCE 9501045	Design and thermal analyzing of rocket nose
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DESIGN AND ANALYSIS OF AXIAL FLOW

PROPELLER FAN

A PROJECT REPORT

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in

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INTERNAL EXAMINER

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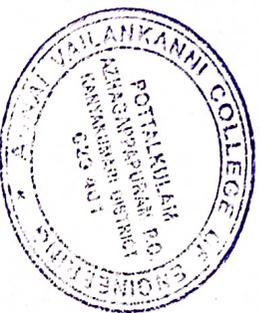



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ABSTRACT

In order to conserve natural resources and economize energy, weight reduction has been the main focus of aerospace manufacturers in the present scenario. Weight reduction can be achieved primarily by the introduction of better material, design optimization and better manufacturing processes. The propeller blade is one of the potential items for weight reduction in aerospace as it accounts for 10% - 20% of the unsprung weight. This achieves the aircraft with more fuel efficiency and improved riding qualities.

The introduction of metal alloys was made it possible to reduce the weight of blade without any reduction on load carrying capacity and stiffness. Since, the composite has more elastic strain energy storage capacity and high strength to weight ratio as compared with those of aluminum, it can used as the blades for aerospace. The design of propeller fan is completed on first phase. In this phase we analyse the different material for propeller fan. Finally, comparison of results and select the best one is done.




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**THERMAL ANALYSIS OF DIFFERENT
STRUCTURE OF FINS IN ELECTRICAL MOTOR**

PROJECT REPORT

Submitted by

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ABSTRACT

With the ever increasing pressures on electric motor manufactures to develop smaller and more efficient electric motors, there is a trend to carry out more thermal analysis in parallel with the traditional electromagnetic design. It has been found that attention to the thermal design can be rewarded by major improvements in the overall performance. Thermal analysis can be done in the Electrical motor fins to optimize the heating released by the motor there by increasing the performance.

In phase I, the electrical motor fin structure can be changed to different shapes such as circular, triangular, slanted and transverse. The fins can be designed in Creo and analysed in ansys. The thermal results can be compared to select best outer fins of electrical motor.



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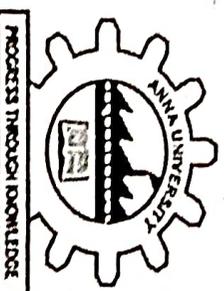
THERMAL ANALYSIS OF A V12 ENGINE BLOCK A PROJECT REPORT

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ABSTRACT

A V12 engine often just called a V12 is an internal combustion engine with 12 cylinders. The engine has six cylinders on each side called banks. The two banks form a "V" shaped angle. In most engines, the two banks are at a 60° angle to each other. All twelve pistons turn a common crankshaft. It can be powered by different types of fuels, including gasoline, diesel and natural gas. A V12 engine does not need balance shafts. A V12 angled at 45°, 60°, 120°, or 180° from each other has even firing and is smoother than a straight-6. This provides a smooth running engine for a luxury car. In a racing car, the engine can be made much lighter. This makes the engine more responsive and smoother. In a large heavy-duty engine, a V12 can run slower and prolonging engine life. The main objective of the project is how to develop the model of V 12 engine block using CAD tool creo. These Engine consists major components they are Piston, Connecting Rod Assembly, Crank Shaft, Cylinder head, Cam Shaft, Valves, crank case, oil tank andspark plug. The engine block which are developed in creo are also analyzed in it using ansys. The thermal analysis of engine block is performed for 750o C thermal loading and the results of temperature distribution of the components are shown.

Finally the thermal analysis results of the components are compared and the bestsuited material is selected.




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DESIGN AND ANALYSIS OF CYLINDER HEAD OF
6-STROKE SI ENGINE
A PROJECT REPORT

Submitted by

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PALANI RAJ.S	(960119114015)
SANGEETH.S	(960119114016)
YUVARAJA VISHNU.R	(960119114028)

in partial fulfillment for the award of the degree

of
BACHELOR OF ENGINEERING
in
MECHANICAL ENGINEERING



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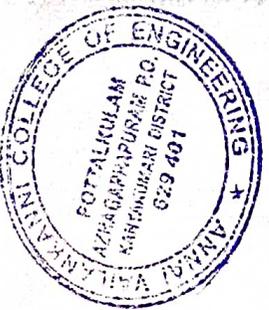
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ABSTRACT

The term six-stroke engine has been applied to a number of alternative internal combustion engine designs that attempt to improve on traditional two-stroke and four-stroke engines. Claimed advantages may include increased fuel efficiency, reduced mechanical complexity and/or reduced emissions. These engines can be divided into two groups based on the number of pistons that contribute to the six strokes. The present paper deals with design of cylinder & cylinder head with air cooling system for 6 strokes 6 cylinder SI engine. The main objective of design is to reduce weight to power ratio & will result in producing high specific power. The authors have proposed preliminary design of the cylinder & cylinder head of a horizontally opposed SI engine, which develops 120 BHP and possesses the maximum rotational speed of 6000rpm. Four stroke opposed engine is inherently well balanced due to the opposite location of moving masses and also it provides efficient air cooling. For the requirement of weight reduction the material selected for design of cylinder and cylinder head is Aluminum alloy 6063 and aluminum alloy 5052.biles. Modeling and analysis of the intake manifold will be done in this project.




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**THERMAL ANALYSIS OF FRICTIONAL
MATERIAL OF A TWO-WHEELER CLUTCH LINER**

A PROJECT REPORT

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GEORGE NISHANTH. A	960119114304
VINOTH. R	960119114027

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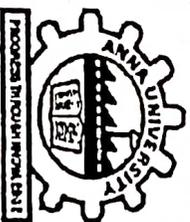
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ABSTRACT

The objective of the project is to Design and Analysis of Clutch Lining using different materials. A Clutch is a machine member used to connect the driving shaft to a driven shaft, so that the driven shaft may be started or stopped at will, without stopping the driving shaft. A common and well-known application for the clutch is in automotive vehicles where it is used to connect the engine and the gearbox. Here the clutch enables to crank and start the engine disengaging the transmission and change the gear to alter the torque on the wheel. The clutch lining is what prevents from slipping. Clutch linings are a type of friction material, similar to brake linings. They have a much different function, however; used to transfer the motion of one mechanical component to another by keeping two surfaces in contact.

Various materials have been used for the disc-friction facings, including asbestos in the past. Modern clutches typically use a compound organic resin with copper wire facing or a ceramic material. Ceramic materials are typically used in heavy applications such as racing or heavy-duty hauling, though the harder ceramic materials increase flywheel and pressure plate wear. In this project we use Kevlar, Silicon Carbide, carbon steel for clutch liner.



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**DESIGN AND THERMAL ANALYSIS OF SOLAR PANEL
SUPPORTING STRUCTURE**

A PROJECT REPORT

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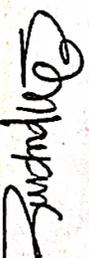
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ABSTRACT

The use of renewable energy resources is increasing rapidly. Following this trend, the implementation of large area solar arrays is considered to be essential. Many design approaches for the supporting structures have been presented in order to achieve maximum efficiency. They are loaded mainly by aerodynamic pressures. International governance as well as the competition between industries define that they must withstand the enormous loads that result from large air acceleration. Moreover, they must have a life assurance of more than 20 yrs. Optimization plays a very key role in product design and prevents unnecessary inventory from satisfying functional needs. But optimization with apt design helps to build efficient products in the everyday competing market. Stress analysis plays an important role in optimizing the design. Due to the advance in computer-based finite element software's design process is made simple by easier simulation methods fast replacing prototype built up and testing. In the current work, a solar panel-aiding structure is designed to take rotational loads for safe operation. So the design should consider the loads coming on the structure for rotation along with the inertia effect of the rotating members. The model of the solar supporting structure and thermal analysis of the model is done in this project



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**DESIGN AND THERMAL ANALYSING OF MISSILE
NOSE CONE
A PROJECT REPORT**

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DESIGN AND THERMAL ANALYZING OF MISSILE NOSE CONE

ABSTRACT

A new nose cones concept that guarantees an addition in act over existing ordinary nose cones is talked about in this paper the term nose cone is utilized to allude to the forward most area of a rocket, guided rocket or air ship. The cone is shaped to offer least aerodynamic resistance. The aerodynamic structure of the nose cone area of any vehicle or body intended to go through a compressible fluid medium, (for example, a rocket or airplane rocket or projectile), a vital issue is the assurance of the nose cone geometrical shape for ideal execution. This undertaking assesses the rocket nose cone analysis by utilizing the accompanying materials, for example, AL alloy, Ti-6Al-4V and steel. A cone display is taken from the concepts of obtuse nose cone and structured in the CAD programming creo. Further this nose cone configuration is imported to the Analysis programming named as Ansys and plays out the thermal analysis. At long last the outcomes are thought about and classified.



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3	960121403003	BREETA MAZHIL	BRAIN TUMOR DETECTION FROM MRI IMAGES USING DEEP LEARNING TECHNIQUES	Mr.R.ROBERT AP/ECE
4	960121403006	JERCY MONICA J	A NOVEL APPROACH FOR ENSURING BRAIN STATE PERMANENCY IN BRAIN-BASED AUTHENTICATION METHODS	Mrs.S.SIVAKALA AP/ECE
5	960121403007	MONISHA R S	SKIN CANCER DETECTION USING COMBINED DECISION OF DEEP LEARNERS	Mrs.P.RENUKA AP/ECE
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2	960121405003	R.DIVYA	Evaluation of neurology and sensory system using pose estimation	Ms. Jane Jenolin
3	960121405004	KRISHNA SATHEESH	Melanoma classification with convolutional Nural networks	Ms. Samlin Jenifer
4	960121405010	RALFENA MOL,N	Web app based water quality predication for human consumption	MS. Anon K. jenifer
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**PROGNOSTICATION OF STOCK PRICE AND MOVEMENT
USING DISTRIBUTED GRADIENT TECHNIQUES**

A THESIS

Submitted by

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In partial fulfillment for the award of the degree of

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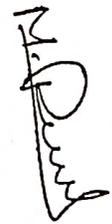
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ABSTRACT

Prediction of stock prices has been an important area of research for a long time. Researchers have worked on technical analysis of stocks with a goal of identifying patterns in the stock price movements using advanced data mining techniques. An approach of hybrid modeling for stock price prediction building different machine learning and deep learning-based models. A forecasting framework by building four deep learning based regression models using long-and short-term memory (LSTM) networks and using the grid-searching technique. We exploit the power of LSTM regression models in forecasting the future open values using four different models that differ in their architecture and in the structure of their input data. Extensive results are presented on various metrics for all the regression models. The results clearly indicate that the LSTM-based univariate model that uses one-week prior data as input for predicting the next week's open value and it is the most accurate model. It is possible to predict the future stock prices and stock price movement patterns, with a fairly high level of accuracy. Have demonstrated a new approach to stock price prediction using the decomposition of time series. In addition, a granular approach of stock price prediction in a short-term forecast horizon has been proposed by Sen that uses powerful capabilities of machine learning and deep learning models. Researchers present a highly robust and reliable predictive framework for stock price prediction by combining the power of text mining and natural language processing in machine learning models like regression and classification. Analyzing the sentiments in the social media and utilizing the sentiment-related information in a non-linear multivariate regression model based on self-organizing fuzzy neural networks the authors have demonstrated a high level of accuracy values to the survey.



IV

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CHAPTER 10

CONCLUSION AND FUTURE ENHANCEMENT

Several approaches were used for prediction of stock index values its movement patterns on a weekly forecast horizon. Eight machine learning, and four LSTM-based deep learning regression models. Based on daily historical values the models are constructed, optimized and then tested. Data pre-processing and data wrangling operations were carried and a set of derived variables are created for building the models. Among all the machine learning and deep learning-based regression models, the performances of the LSTM based deep learning regression models were found to be far too superior to that of the machine-learning-based predictive models. Data Prediction, Validation and analysis will be continued in future work.



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**EVALUATION OF NEUROLOGY AND SENSORY
SYSTEM USING POSE ESTIMATION TECHNIQUES**

A THESIS

Submitted by

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ABSTRACT

Dementia is a neurodegenerative disease with a high incidence in the elderly. However, there is no effective treatment for this disease, and early intervention has a great effect to slow the deterioration. Currently, the detection of dementia is mainly achieved using questionnaire-like neuropsychological tests. Such ways usually cost a lot of time. To this end, we design a contactless dementia detection system based on gait analysis from surveillance video, and it can serve as a home-based healthcare system. This system applies a Kinect 2.0 camera to capture the human video and extract the skeleton joints at a rate of 15 frames per second. Two different gaits are collected for detection, namely single-task gait and dual-task gait. In this Project, we design a convolutional neural network based classifier to extract features in a data-driven way from these two groups of videos, but not take hand-crafted features. Experimental results show that we achieve a sensitivity of 74.10% on the test set using this system, and the processing only takes several minutes for early dementia detection.



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CHAPTER 10

CONCLUSION AND FUTURE ENHANCEMENT

In conclusion, the objectives of this thesis were met. Objective 1 was met by evaluating two humanpose estimation algorithms, and performing a PCKh@0.5 analysis, finding OpenPose to be as accurate as the Kinect 2 sensor for placing joint keypoints on 2D images. Objective 2 was met by then obtaining keypoint data from collected baseline videos, and developing a methodology to extract gait parameters from the keypoint data. This was validated by showing statistical associations between the extracted gait parameters and clinical baseline data as well as observed falls data. The findings have not only met the objectives of this thesis, but will also contribute to the ongoing AMBIENT project.

FUTURE WORK:

The findings of this thesis will be used in future work. Data continues to be collected using the AMBIENT system, both with the original collection method of using the Kinect 2 sensors and with the new proposed method of collecting exclusively colour video using simple webcams. The gait feature extraction methods developed in this thesis, and outlined in chapter 2, will continue to be used. There are currently machine learning analyses underway on the gait feature data extracted using the methods of chapter 2. Should it be shown that a predictive model can be trained on this data to predict future falls, the project will be one more step closer to developing a system which can predict, and therefore help to reduce, falls in older adults with dementia.

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**WEB APP BASED WATER QUALITY PREDICTION
FOR HUMAN CONSUMPTION**

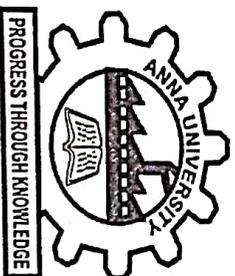
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ABSTRACT

The monitoring and prediction of water quality have emerged as vital tasks in achieving these objectives. However, ensuring the accuracy and dependability of water quality prediction has proven to be a challenging endeavor. To address this issue, this study proposes a comprehensive weight-based approach that combines entropy weighting with the Pearson correlation coefficient to select crucial features in water quality prediction. This approach effectively considers feature correlation and information content, avoiding excessive reliance on a single criterion for feature selection. Through the utilization of this comprehensive approach, a comprehensive evaluation of the contribution and importance of the features was achieved, thereby minimizing subjective bias and uncertainty. By striking a balance among various factors, features with stronger correlation and greater information content can be selected, leading to improved accuracy and robustness in the feature-selection process. Furthermore, this study explored several machine learning models for water quality prediction using Gradient Boosting Algorithm. Gradient Boosting exhibited commendable performance in predicting water quality, showcasing excellent generalization capabilities and high prediction accuracy. Conversely, the Gradient Boosting model exhibited relatively inferior performance in water quality prediction. It effectively captured the dynamic patterns present in time series data, offering stable and accurate predictions for various water quality parameters.



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CHAPTER 8

CONCLUSION AND FUTURE ENHANCEMENT

Thus, the monitoring and prediction of water quality have emerged as vital tasks in achieving these objectives. However, ensuring the accuracy and dependability of water quality prediction has proven to be a challenging endeavor. To address this issue, this study proposes a comprehensive weight-based approach that combines entropy weighting with the Pearson correlation coefficient to select crucial features in water quality prediction. This approach effectively considers feature correlation and information content, avoiding excessive reliance on a single criterion for feature selection. Through the utilization of this comprehensive approach, a comprehensive evaluation of the contribution and importance of the features was achieved, thereby minimizing subjective bias and uncertainty. By striking a balance among various factors, features with stronger correlation and greater information content can be selected, leading to improved accuracy and robustness in the feature-selection process. Furthermore, this study explored several machine learning models for water quality prediction using Gradient Boosting Algorithm. Gradient Boosting exhibited commendable performance in predicting water quality, showcasing excellent generalization capabilities and high prediction accuracy. Conversely, the Gradient Boosting model exhibited relatively inferior performance in water quality prediction. It effectively captured the dynamic patterns present in time series data, offering stable and accurate predictions for various water quality parameters.



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**DUAL ACCESS CONTROL FOR CLOUD-BASED
DATA STORAGE AND SHARING**

PHASE I REPORT

Submitted by

SHAJINI MOL R J

Register No: 960121405022

In partial fulfillment for the award of the degree of

**MASTER OF ENGINEERING IN
COMPUTER SCIENCE AND ENGINEERING**



ANNALAI VAILANKANNI COLLEGE OF ENGINEERING

KANYAKUMARI

ANNA UNIVERSITY, CHENNAI

MARCH 2023

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Certified that this project report "DUAL ACCESS CONTROL FOR CLOUD-BASED DATA STORAGE AND SHARING" is the bonafide work of R J SHAJINI MOL (960121405022) who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this any other candidate.

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ABSTRACT

Cloud-based data storage service has drawn increasing interests from both academic and industry in the recent years due to its efficient and low-cost management. Since it provides services in an open network, it is urgent for service providers to make use of secure data storage and sharing mechanism to ensure data confidentiality and service user privacy. To protect sensitive data from being compromised, the most widely used method is encryption. However, simply encrypting data cannot fully address the practical need of data management. Besides, an effective access control over download request also needs to be considered so that Economic Denial of Sustainability (EDoS) attacks cannot be launched to hinder users from enjoying service. Hence, we are considering the dual access control, in the context of cloud-based storage, to design a control mechanism over both data access and download request without loss of security and efficiency.



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CHAPTER 6

CONCLUSION AND FUTURE ENHANCEMENT

We addressed an interesting and long-lasting problem in cloud-based data sharing, and presented two dual access control systems. The proposed systems are resistant to DDOS/EDoS attacks. We state that the technique used to achieve the feature of control to download request is "transplantable" to other CP-ABE constructions. Our experimental results show that the proposed systems do not impose any significant computational and communication overhead. The current work failed to address on the issues related to downloading of secret data stored in cloud by malicious users. The future work may ensure that the secret data stored in cloud could not be extracted by any other users apart from intended data owner or recipient. Constructing dual access control for cloud data sharing using high level of transparency is the prominent solution which could be addressed as future work.



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Academic Year 2022-23 (EVEN- Semester)

ME 8811 - PROJECT WORK DETAILS

Sl.No	Batch No	REG NO	NAME OF THE STUDENT	NAME OF THE SUPERVISOR WITH STAFF ID	TITLE OF THE PROJECT WORK
1	B-1	960119114002	ASHISH KUMAR .J	Mr.Bijilson Mansingh B ME., Assistant professor AVCE 9601232	ANALYSIS OF AXIAL FLOW PROPELLER FAN
2		960119114003	BINOLIN .G.M		
3		960119114020	SIVA SANKAR .N		
4		960119114023	THANUSH J		
1	B-2	960119114004	DINESH KUMAR .L	Mr M ARUN JEYAKUMAR ME., Assistant professor AVCE 9613081	Cutting Tool with Multi-Coatings
2		960119114011	MUTHU VIJAYAN .T		
3		960119114024	THARMA RAJ .M		
4		960119114025	UDAYA KUMAR .S		
1	B-3	960119114005	JENISH KUMAR .V	Dr.N ABILASH PHD. PROFESSOR AVCE	A Fundamentally Approach to Air-Cooled Heat Exchangers
2		960119114010	MUJISH .M		
3		960119114026	VASANTH .M		
1	B-4	960119114007	KAVIYARASU .R	Mr.N.Manikandan ME., Assistant professor AVCE 9601005	Ultra High Temperature Ceramics For Hypersonic Vehicle Applications Especially Missile Nose Cones
2		960119114015	PALANI RAJ .S		
3		960119114016	SANGEETH .S		
4		960119114028	YUVARAJA VISHNU .R		
1	B-5	960119114017	SATHISH KUMAR .G	Mr.C. JEGATHESAN ME., Assistant professor AVCE 9601048	CFD ANALYSIS OF HEAT TRANSFER IN A HELICAL COIL HEAT EXCHANGER
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1	B-6	960119114009	MIRLIN SANJAY .S	Mr.N.Manikandan ME., Assistant professor AVCE 9601005	Design and thermal analysis of rocket nozzle
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4		960119114019	SIVA AKILESH .K		
1	B-7	960119114301	ABINESH A	MrJ PRABHU ME., Assistant professor AVCE 9501045	Design and analysis of solar panel supporting structure in wind effect
2		960119114302	ASHOK KUMAR C		
3		960119114305	MUTHUKUMAR M		
1	B-8	960119114006	KARTHICK .A	MrJ PRABHU ME., Assistant professor AVCE 9501045	Design and thermal analyzing of rocket nose
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DESIGN AND ANALYSIS OF AXIAL FLOW

PROPELLER FAN

A PROJECT REPORT

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 THANUSH.J (960119114023)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING



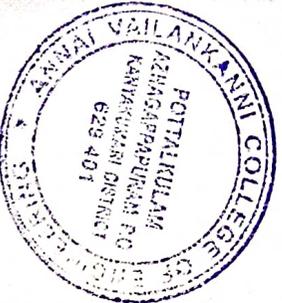
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ABSTRACT

In order to conserve natural resources and economize energy, weight reduction has been the main focus of aerospace manufacturers in the present scenario. Weight reduction can be achieved primarily by the introduction of better material, design optimization and better manufacturing processes. The propeller blade is one of the potential items for weight reduction in aerospace as it accounts for 10% - 20% of the unsprung weight. This achieves the aircraft with more fuel efficiency and improved riding qualities.

The introduction of metal alloys was made it possible to reduce the weight of blade without any reduction on load carrying capacity and stiffness. Since, the composite has more elastic strain energy storage capacity and high strength to weight ratio as compared with those of aluminum, it can used as the blades for aerospace. The design of propeller fan is completed on first phase. In this phase we analyse the different material for propeller fan. Finally, comparison of results and select the best one is done.



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**THERMAL ANALYSIS OF DIFFERENT
STRUCTURE OF FINS IN ELECTRICAL MOTOR**

PROJECT REPORT

Submitted by

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ABSTRACT

With the ever increasing pressures on electric motor manufactures to develop smaller and more efficient electric motors, there is a trend to carry out more thermal analysis in parallel with the traditional electromagnetic design. It has been found that attention to the thermal design can be rewarded by major improvements in the overall performance. Thermal analysis can be done in the Electrical motor fins to optimize the heating released by the motor there by increasing the performance.

In phase I, the electrical motor fin structure can be changed to different shapes such as circular, triangular, slanted and transverse. The fins can be designed in Creo and analysed in ansys. The thermal results can be compared to select best outer fins of electrical motor.



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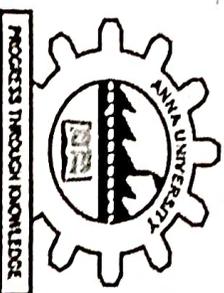
THERMAL ANALYSIS OF A V12 ENGINE BLOCK A PROJECT REPORT

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ABSTRACT

A V12 engine often just called a V12 is an internal combustion engine with 12 cylinders. The engine has six cylinders on each side called banks. The two banks form a "V" shaped angle. In most engines, the two banks are at a 60° angle to each other. All twelve pistons turn a common crankshaft. It can be powered by different types of fuels, including gasoline, diesel and natural gas. A V12 engine does not need balance shafts. A V12 angled at 45°, 60°, 120°, or 180° from each other has even firing and is smoother than a straight-6. This provides a smooth running engine for a luxury car. In a racing car, the engine can be made much lighter. This makes the engine more responsive and smoother. In a large heavy-duty engine, a V12 can run slower and prolonging engine life. The main objective of the project is how to develop the model of V 12 engine block using CAD tool creo. These Engine consists major components they are Piston, Connecting Rod Assembly, Crank Shaft, Cylinder head, Cam Shaft, Valves, crank case, oil tank andspark plug. The engine block which are developed in creo are also analyzed in it using ansys. The thermal analysis of engine block is performed for 750o C thermal loading and the results of temperature distribution of the components are shown.

Finally the thermal analysis results of the components are compared and the bestsuited material is selected.




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DESIGN AND ANALYSIS OF CYLINDER HEAD OF
6-STROKE SI ENGINE
A PROJECT REPORT

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PALANI RAJ.S	(960119114015)
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in partial fulfillment for the award of the degree

of
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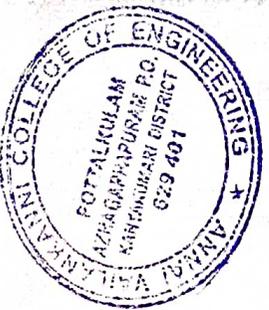
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ABSTRACT

The term six-stroke engine has been applied to a number of alternative internal combustion engine designs that attempt to improve on traditional two-stroke and four-stroke engines. Claimed advantages may include increased fuel efficiency, reduced mechanical complexity and/or reduced emissions. These engines can be divided into two groups based on the number of pistons that contribute to the six strokes. The present paper deals with design of cylinder & cylinder head with air cooling system for 6 strokes 6 cylinder SI engine. The main objective of design is to reduce weight to power ratio & will result in producing high specific power. The authors have proposed preliminary design of the cylinder & cylinder head of a horizontally opposed SI engine, which develops 120 BHP and possesses the maximum rotational speed of 6000rpm. Four stroke opposed engine is inherently well balanced due to the opposite location of moving masses and also it provides efficient air cooling. For the requirement of weight reduction the material selected for design of cylinder and cylinder head is Aluminum alloy 6063 and aluminum alloy 5052.biles. Modeling and analysis of the intake manifold will be done in this project.




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**THERMAL ANALYSIS OF FRICTIONAL
MATERIAL OF A TWO-WHEELER CLUTCH LINER**

A PROJECT REPORT

Submitted by

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GEORGE NISHANTH. A	960119114304
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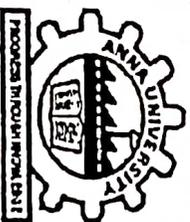
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ABSTRACT

The objective of the project is to Design and Analysis of Clutch Lining using different materials. A Clutch is a machine member used to connect the driving shaft to a driven shaft, so that the driven shaft may be started or stopped at will, without stopping the driving shaft. A common and well-known application for the clutch is in automotive vehicles where it is used to connect the engine and the gearbox. Here the clutch enables to crank and start the engine disengaging the transmission and change the gear to alter the torque on the wheel. The clutch lining is what prevents from slipping. Clutch linings are a type of friction material, similar to brake linings. They have a much different function, however; used to transfer the motion of one mechanical component to another by keeping two surfaces in contact.

Various materials have been used for the disc-friction facings, including asbestos in the past. Modern clutches typically use a compound organic resin with copper wire facing or a ceramic material. Ceramic materials are typically used in heavy applications such as racing or heavy-duty hauling, though the harder ceramic materials increase flywheel and pressure plate wear. In this project we use Kevlar, Silicon Carbide, carbon steel for clutch liner.



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**DESIGN AND THERMAL ANALYSIS OF SOLAR PANEL
SUPPORTING STRUCTURE**

A PROJECT REPORT

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in partial fulfillment of the award of the degree

of

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Department of MECH

Department of MECH

Annai Vailankanni College of Engg..

Annai Vailankanni College of

Engg..AVK Nagar, Azhagappapuram PO,

AVK Nagar, Azhagappapuram

PO, kanyakumari - 629401

kanyakumari - 629401

Submitted for the B.E Degree project viva -voce held on 23.5.2023

INTERNAL EXAMINER

EXTERNAL EXAMINER



PRINCIPAL

ANNA VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM - 629 401
KANYAKUMARI DIST.

ABSTRACT

The use of renewable energy resources is increasing rapidly. Following this trend, the implementation of large area solar arrays is considered to be essential. Many design approaches for the supporting structures have been presented in order to achieve maximum efficiency. They are loaded mainly by aerodynamic pressures. International governance as well as the competition between industries define that they must withstand the enormous loads that result from large air acceleration. Moreover, they must have a life assurance of more than 20 yrs. Optimization plays a very key role in product design and prevents unnecessary inventory from satisfying functional needs. But optimization with apt design helps to build efficient products in the everyday competing market. Stress analysis plays an important role in optimizing the design. Due to the advance in computer-based finite element software's design process is made simple by easier simulation methods fast replacing prototype built up and testing. In the current work, a solar panel-aiding structure is designed to take rotational loads for safe operation. So the design should consider the loads coming on the structure for rotation along with the inertia effect of the rotating members. The model of the solar supporting structure and thermal analysis of the model is done in this project



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 ANNA YAKKANKANNI COLLEGE OF ENGINEERING
 POTTALKULAM
 AZHAGAPAPURAM - 629 401
 KANYAKUMARI DIST.

**DESIGN AND THERMAL ANALYSING OF MISSILE
NOSE CONE
A PROJECT REPORT**

submitted by

A.KARTHICK(960119114006)

E.MOHANA RENGAN(960119114701)

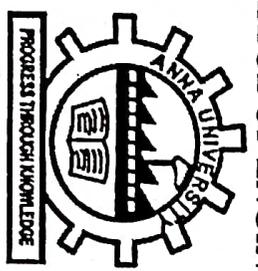
S. NAGA SELVAN (960119114013)

in partial fulfillment for the award of the degree

of

**BACHELOR OF ENGINEERING
in
MECHANICAL ENGINEERING**

ANNAI VAILANKANNI COLLEGE OF ENGINEERING, KANYAKUMARI



ANNA UNIVERSITY: CHENNAI 600 025

MAY 2023

**PRINCIPAL
ANNAI VAILANKANNI COLLEGE OF ENGINEERING,
POTTALKULAM
AZHAGAPPAPURAM, KANYAKUMARI DISTRICT**



BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND THERMAL ANALYSING OF MISSILE NOSE CONE" is the bonafide work of "A.KARTHIK (980119114006), E.MOHANA RENGAN(960119114701)and S. NAGA SELVAN(960119114012) " who carried out the project work under my supervision



SIGNATURE
MR.N.MANIKANDAN M.E.,

HEAD OF THE DEPARTMENT

Assistant professor

Department OF MECHANICAL

Annai vailankanni college of Engg.

AVK Nagar , Azhagappapuram post

Kanyakumari, PIN : 629 401.



SIGNATURE
MR.J.PRABHU,M.E

SUPERVISOR

Assistant Professor

Department OF MECHANICAL

Annai vailankanni college of Engg.

AVK Nagar , Azhagappapuram post

Kanyakumari, PIN : 629 401

Submitted for the project viva voce examination held on .23..5..23....



INTERNAL EXAMINER



EXTERNAL EXAMINER

PRINCIPAL
ANNAI VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM - 629 401
Kanyakumari Dist.



DESIGN AND THERMAL ANALYZING OF MISSILE NOSE CONE

ABSTRACT

A new nose cones concept that guarantees an addition in act over existing ordinary nose cones is talked about in this paper the term nose cone is utilized to allude to the forward most area of a rocket, guided rocket or air ship. The cone is shaped to offer least aerodynamic resistance. The aerodynamic structure of the nose cone area of any vehicle or body intended to go through a compressible fluid medium, (for example, a rocket or airplane rocket or projectile), a vital issue is the assurance of the nose cone geometrical shape for ideal execution. This undertaking assesses the rocket nose cone analysis by utilizing the accompanying materials, for example, AL alloy, Ti-6Al-4V and steel. A cone display is taken from the concepts of obtuse nose cone and structured in the CAD programming creo. Further this nose cone configuration is imported to the Analysis programming named as Ansys and plays out the thermal analysis. At long last the outcomes are thought about and classified.



PRINCIPAL
ANNA VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM - 629 401
KANYAKUMARI DIST.
1

From

Mrs.M.Morrin Gracida

HOD/Civil

AVCE.

To

The Principal

AVCE

Respected Sir,

We have to conduct survey camp for our third year Civil Engineering Students. So I request you to grant us permission to conducting survey camp for one week from 25-07-2022 to 30-07-2022

Thanking you

Your's faithfully,

(Mrs.M.MORRIN GRACIDA)

20.07.2022
Pottalkulam



Permitted for camp
J. Jini
20/7/22

A handwritten signature in green ink, appearing to be "J. Jini".

PRINCIPAL
ANNAI VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM - 629 401
KANYAKUMARI DIST.



ANNA VAILANKANNI COLLEGE OF ENGINEERING
(Approved by AICTE & Affiliated to Anna University, Chennai)
AVK Nagar, Pothaiyadi Salai, Pottalkulam, Azhagappapuram P.O.,

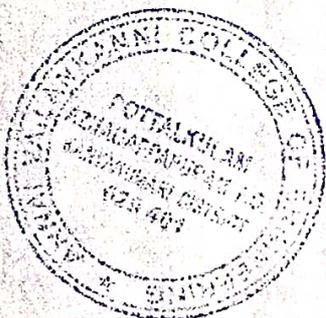
Kanyakumari District, Tamil Nadu - 629 401

DEPARTMENT OF CIVIL ENGINEERING

STUDENTS NAME LIST

III YEAR

S.No	Roll No	Reg No	Name of the Student
1	20RCE02	960120103002	JENIN C
2	20RCE03	960120103003	SNEKA C
3	20RCE04	960120103004	THANESH KUMAR R
4	20LECE01	960120103301	ALEX J
5	20LECE02	960120103302	AYNASH JOSHUA T
6	20LECE03	960120103303	BALA MURUGAN R
7	20LECE07	960120103307	PRINCE P R
8	20LECE08	960120103308	PRINCY CHERIYAN
9	20LECE09	960120103309	RAMESH ELANGO R
10	20LECE10	960120103310	SAHAYA GREETES C
11	20LECE11	960120103311	SINDHU M




PRINCIPAL
ANNA VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM P.O.
KANYAKUMARI DISTRICT



ANNAI VAILANKANNI COLLEGE OF ENGINEERING
 (Approved by AICTE & Affiliated to Anna University, Chennai)
 AVK Nagar, Pothaiyadi Salai, Pottalkulam, Azhagappapuram P.O.,
 Kanyakumari District, Tamil Nadu - 629 401
DEPARTMENT OF CIVIL ENGINEERING

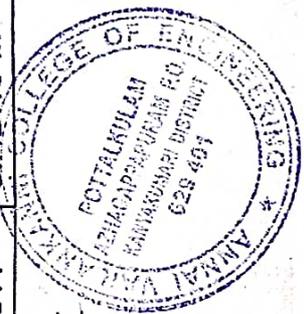
STUDENTS ATTENDANCE

III YEAR

S.No	Reg No	Name of the Student	25/11/22	26/11/22	27/11/22	28/11/22	29/11/22	30/11/22	1/12/22	2/12/22	3/12/22	4/12/22	5/12/22	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	960120103002	JENIN C	/	/	/	/	/	/	/	/	/	/	/	/
2	960120103003	SNEKA C	/	/	/	/	/	/	/	/	/	/	/	/
3	960120103004	THANESH KUMAR R	/	/	/	/	/	/	/	/	/	/	/	/
4	960120103301	ALEX J	/	/	/	/	/	/	/	/	/	/	/	/
5	960120103302	AYNASH JOSHUA T	/	/	/	/	/	/	/	/	/	/	/	/
6	960120103303	BALA MURUGAN R	/	/	/	/	/	/	/	/	/	/	/	/
7	960120103307	PRINCE P R	/	/	/	/	/	/	/	/	/	/	/	/
8	960120103308	PRINCY CHERIYAN	/	/	/	/	/	/	/	/	/	/	/	/
9	960120103309	RAMESH ELANGO R	/	/	/	/	/	/	/	/	/	/	/	/
10	960120103310	SAHAYA GREETES C	/	/	/	/	/	/	/	/	/	/	/	/
11	960120103311	SINDHU M	/	/	/	/	/	/	/	/	/	/	/	/

J. Remila

Staff In-charge



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 HOOD

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 PRINCIPAL
 ANNAI VAILANKANNI COLLEGE OF ENGINEERING
 POTTALKULAM
 AZHAGAPPAPURAM - 629 401
 KANYAKUMARI DIST.



STUDENTS IN SURVEY CAMP ON 26-07-2022


PRINCIPAL
ANNAL VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPET PINDURAM - 627401
KANTAKUMARI DIST.



STUDENTS IN SURVEY CAMP ON 28-07-2022

CONTOURING



PRINCIPAL
ANNAI VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM - 629 401 111
KANYAKUMARI DIST.



STUDENTS IN SURVEY CAMP ON 29-07-2022

FLY LEVELLING

PRINCIPAL
ANNAI VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM - 629-401
KANNIYAKUMARI DIST.



ANNA VAILANKANNI COLLEGE OF ENGINEERING

(A Christian Minority Institution)

AVK Nagar, Pothaiyadisalai, Pottalkulam, Azhagappapuram Post, Kanyakumari District - 629401

Phone : 04652-266500, 266637 Fax : 04652-266657

Website : www.avce.edu.in e-mail : info@avce.edu.in

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

Date :05.09.2022

REQUEST LETTER

To

The Principal,
AVCE,
Pottalkulam,
Kanyakumari District..

Respected Sir,

Sub : Permission for one day Industry Field visit-Reg...

We have planned to take our 1st year students for a one day Industry Field visit to Mudupatty Tea Factory, Kanan Devan Hills Plantations Company Pvt Ltd (KDHP), Mudupatty, Munnar, on 12.09.2022 total strength of the students are 120 and they are accompanied with 3 faculties. Hence I request you to permit us for the field visit. I assure you that we will take at most care for the students.

Thanking you

Permitted
Yours Sincerely,
J. S. Srinivasan



Agel

PRINCIPAL
ANNA VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM - 629 401
KANYAKUMARI DIST.



ANNA VAILANKANNI COLLEGE OF ENGINEERING

(A Christian Minority Institution)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Recognized under section 2(f) of UGC Act 1956

Website: www.avce.edu.in

To

Date: 06.09.2022

The Managing Director,

KananDevan Hills Plantations Company Pvt Ltd,

Munnar, IdukkiDist,

Kerala.

Respected Sir/Madam,

Sub: Seeking Permission for Industry field visit to 120 students-Reg;

With reference to the above, herewith I'm sending this letter to seek your permission to provide Industry Field Visit in the field of Tea Manufacturing on 12.09.2022 for our first year students. So, I kindly request you to give permission for our students to visit your industry. Herewith I have enclosed the students name list for your kind reference.

Thanking you

Yours Sincerely

Principal



Address:
AVK Nagar, Pottalkulam,
Azhagappapuram Post, Kanyakumari District - 629401.



Email:
info@avce.edu.in



Phone:
+91-98410 11758
+91-98410 11759
+91-98410 11760

STUDENTS NAME LIST

SL.NO	NAME OF THE STUDENT
1	Abinash E
2	Abinesh N
3	Anitha A
4	Anusiya M
5	Archana T
6	Ari Venkatesh N
7	Arockia Joe A
8	Arockia Rejaldo R
9	Deepak B
10	Devika V
11	Doni D
12	Esakiammal P
13	Ezhilan M
14	Ganesh M
15	Josewa A
16	Kaliyammal M
17	Karan M
18	Kartheesan S
19	Krithika B
20	Livin Raj P
21	Madhan Raj M
22	Madhumitha M
23	Madhu Priya G
24	Mahalakshmi T
25	Maria Saranya J
26	Mathan P
27	MuthuMari M
28	Pooja T
29	Puvaneswar M
30	Rabeena R
31	Rameena R
32	Sajin S
33	Sanjai I
34	Santhana Lakshmi M
35	Sathyabama G
36	Serina Dhas S
37	Shylam R
38	Sivabharathi B
39	Sivagami G
40	Suji S
41	Tamizh Selvan A
42	Thomai Arul Ajies T
43	Thrisa S
44	Victoriya J


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POTTALKULAM
AZHAGAPPAPURAM - 629 401
KANYAKUMARI DIST.

45	Vinosh V
46	Vishnu S
47	Antony Bobin John J
48	Architha N
49	Augesto S
50	Chandra G
51	Ebenezer A
52	Elson Santra E
53	Glarance Wiseman M
54	Godlin Sharon W
55	Issaam Ratib T U
56	Jeba Selvi D
57	Kathirvel G
58	Kaviya T
59	Maruthesh S
60	Pirajicshan A
61	Ponsalini R
62	Prashiba S
63	Santhosh Kumar A B V
64	Saran Raj S
65	Selva Bharathi M
66	Shiva Thanu C
67	Sreeja K
68	Stanly Stuvet S
69	Subramaniyan K
70	Sudalai Mani N
71	Vennila M
72	Abishek Rajan M
73	Akilesh M
74	Ananth R M
75	Aravindh K
76	Arun C
77	Bharath Dhayanithi B
78	Divin S
79	Inthrajith C
80	Jelin S
81	Kalyana Raman S
82	Siva P
83	Thibik U
84	Vidska Rigin A
85	Abinaya S L
86	Ajay J A
87	Akshen S
88	Aldrine Jasco S V
89	Anantha Kumaravel R
90	Ananthi B


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AZHAGAPPAPURAM - 629 401
KANYAKUMARI DIST.

91	Aravintha Selva P
92	Arunachalam Akash M
93	Babin Saravanan S R
94	Chandru S
95	Dinesh Balan M
96	Helina Sheely C
97	Jebastin Prabhu J
98	Kaline Rio Sylvia D
99	Kanish M
100	Kaviya J
101	Kiruthika B
102	Kitheri Sahaya Milcy T
103	Krishna Kumar
104	Mahesh B S
105	Maheswari M
106	Mini Gladis V
107	Moses L
108	Nishanth M A
109	Pon Sumily P
110	Prathipa A
111	Rabinesh R
112	Rathisan R
113	Sabinesh V
114	Satha Singh M
115	Senthil M
116	Shama Prasad R T
117	Siva A M
118	Siva Pranesh R
119	Veersath M
120	Venice K Ebanazar K



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 ANNAI VAILANKANNI COLLEGE OF ENGINEERING
 POTALKULAM
 AZHAGAPPATTINAM - 629 401
 KANNIYAKUMARI DIST.



KananDevan Hills Plantations Company Private Limited

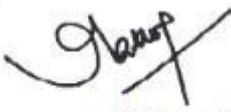
Date: 06.09.2022

To,
The Principal
AnnaiVailankanni College of Engineering
Pottalkulam.

Sub: Acceptance of Industry field visit on 12.09.2022 to I Year students reg.

I received your letter, requesting that to give permission for industry field visit to the student from I Year Students. I'm glad to accept this and also glad to give it to you on the timetable you have specified, we appreciate your good words about the fieldwork visit program and are eager to provide experience to the students.




(P Manoj)
Company Secretary

Registered office:

KDHP House, Munnar, Kerala-685612, India

Tel: +91 4868 255 555 Fax: Website: www.kdhptea.com E-mail: cominfo@kdhptea.co.in Corporate Identity Number: +91 4868 255 000/999
+91 4868 255 555 www.kdhptea.com U01132KL2005PTC018014



Ref.No.IR/MSO

12th September 2022

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This is to certify that 120 students of first year with 3 faculties, from ANNAI VAILANKANNI COLLEGE OF ENGINEERING, Pottalkulam had visited our Madupatty Tea Factory on 12th September 2022, in connection with their industry field visit.

for KDHP COMPANY PRIVATE LIMITED



Registered office:

KDHP House, Munnar, Kerala-685612, India

Tel: +91 4868 255 555 Fax: Website: www.kdhptea.com E-mail: cominfo@kdhptea.co.in Corporate Identity Number: +91 4868 255 000/999
+91 4868 255 555 www.kdhptea.com U01132KL2005PTC018014



ANNAL VAILANKANNI COLLEGE OF ENGINEERING (A Christian Minority Institution)

AVK Nagar, Pothaiyadisalai, Pottalkulam, Azhagappapuram Post, Kanyakumari District - 629401
Phone : 04652-266500, 266637 Fax : 04652-266657

Website : www.avce.edu.in e-mail : info@avce.edu.in

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

Date :30.09.2022

REQUEST LETTER

To
The Principal,
AVCE,
Pottalkulam,
Kanyakumari District..

Respected Sir,

Sub : Permission for one day Industry Field visit-Reg...

We have planned to take our 2nd & 3rd year Mechanical students for one day Industry Field visit to Mudupatty Tea Factory, Kanan Devan Hills Plantations Company Pvt Ltd (KDHP), Mudupatty, Munnar, on 07.10.2022 total strength of our students are 66 and they are accompanied with 3 faculties. Hence I request you to permit them for the field visit. I assure you that we will take at most care for the students.

Thanking you

Yours Sincerely,

Permitted
J. Shri



ANNAI VAILANKANNI COLLEGE OF ENGINEERING

(A Christian Minority Institution)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Recognized under section 2(f) of UGC Act 1956

Website: www.avce.edu.in

To

Date: 01.10.2022

The Managing Director,
KananDevan Hills Plantations Company Pvt Ltd,
Munnar, IdukkiDist,
Kerala.

Respected Sir/Madam,

Sub: Seeking Permission for Industry field visit to 66 students-Reg;

With reference to the above, herewith I'm sending this letter to seek your permission to provide Industry Field Visit in the field of Tea Manufacturing on 07.10.2022 for our second and third year Mechanical Students. So, I kindly request you to give permission for the students. Herewith I have attached the students name list for your kind reference. I'm looking forward for your kind and positive reply in regards to the above request.

Thanking you



Yours Sincerely

J. Shini
Principal



Address:
AVK Nagar, Pottalkulam,
Azhagappapuram Post, Kanyakumari District - 629401.



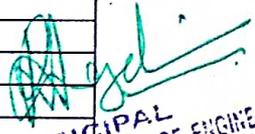
Email:
info@avce.edu.in



Phone:
+91-98410 11758
+91-98410 11759
+91-98410 11760

STUDENTS NAME LIST

S.NO	REGISTER NO	STUDENTS NAME
1.	960121114001	ABINESH K
2.	960121114002	ANISH M
3.	960121114003	ANNIES RAVIN R
4.	960121114004	BEBIN RAJ E
5.	960121114006	INFANT SANJAY A
6.	960121114007	JEBIN A
7.	960121114008	KARTHIGAISELVAN G
8.	960121114009	KING SHERIN C
9.	960121114010	KRISHNAN G
10.	960121114011	MANIMURUGESWARAN A
11.	960121114013	RAJA S
12.	960121114014	RAM PRASAD S
13.	960121114017	SELVA G
14.	960121114018	SHIJO
15.	960121114019	SIVA RANJITH P
16.	960121114020	SUBIN K
17.	960121114021	SUBIN S
18.	960121114022	SURESH M
19.	960121114023	THANUSH A
20.	960121114024	TINIS CHRISTAN JOE T C
21.	960121114025	VINITH T
	III YEAR	
22.	960120114001	ABINESH M
23.	960120114002	AJIESH K
24.	960120114003	AJISH A
25.	960120114004	AMAL RAJ B
26.	960120114005	IBIN THISHOTH I
27.	960120114006	KAVIN KUMAR K
28.	960120114007	MANIKANDAN P
29.	960120114008	MATHAN M
30.	960120114009	MESHAK G
31.	960120114010	MUKESH K
32.	960120114011	MURUGAN N
33.	960120114012	NARAYANA MANI P
34.	960120114013	NITHIN M
35.	960120114014	PON REBINCE Y
36.	960120114015	SANJAY M
37.	960120114016	SANTHOSH R
38.	960120114017	SETHUPATHI C
39.	960120114018	SIVA SABARISH K
40.	960120114019	SREE MANIKANDAN S
41.	960120114020	SRI RAJESH R
42.	960120114021	SUMITH RAJ M
43.	960120114022	SURENDAR J
44.	960120114023	THANISH T
45.	960120114301	ABISH K
46.	960120114302	AJAY DEV D T
47.	960120114303	ALDRIN ANTONY HARISH M
48.	960120114306	ARUL RAJ J
49.	960120114307	ARUN KANNAN V
50.	960120114310	ELBIN JOSHUA B
51.	960120114312	ESAKKIAPPAN A


PRINCIPAL
ANNAI VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM - 629 401
KANYAKUMARI DIST.

STUDENTS NAME LIST

52.	960120114313	GEORGE JOYSON G
53.	960120114316	KRISHNA BHARATHY K
54.	960120114322	PRAVEEN J
55.	960120114324	RAMA CHANDRAN T
56.	960120114325	RATHEESH R
57.	960120114328	SALAN VINISH S
58.	960120114329	SANJITH L
59.	960120114333	SIVANESH M
60.	960120114334	SOOSAI SHYAM C
61.	960120114335	SOUNDHAR RAJAN K
62.	960120114336	SUDALAI MANI R
63.	960120114337	SURESH K
64.	960120114338	SUYAMBU LINGAM P
65.	960120114339	YESU RAJAN N
66.	960120114701	ANANTHA KANNAN S



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ANNAI VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPAPURAM - 629 401
KANYAKUMARI DIST.



Kanan Devan Hills Plantations Company Private Limited

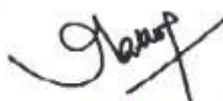
Date: 01.10.2022

To,
The Principal
AnnaiVailankanni College of Engineering
Pottalkulam.

Sub: Acceptance of Industry field visit on 07.10.2022 to Mechanical Engineering students reg.

I received your letter, requesting that to give permission for industry field visit to the students from Mechanical Engineering. I'm glad to accept this and also glad to give it to you on the timetable you have specified, we appreciate your good words about the fieldwork visit program and are eager to provide experience to the students.




(P Manoj)
Company Secretary

Registered office:

KDHP House, Munnar, Kerala-685612, India

Tel: +91 4868 255 555 Fax: Website: www.kdhptea.com E-mail: info@kdhptea.co.in Corporate Identity Number: +91 4868 255 000/999
U01132KL2005PTC018014



Kanan Devan Hills Plantations Company Private Limited

Ref.No.IR/MSO

7th October 2022

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This is to certify that 66 students of Mechanical Engineering students with 3 faculties, from ANNAI VAILANKANNI COLLEGE OF ENGINEERING, Pottalkulam had visited our Madupatty tea Factory on 07th October 2022, in connection with their industry field visit.

for KDHP COMPANY PRIVATE LIMITED



Registered office:

KDHP House, Munnar, Kerala-685612, India

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Phone : 04652 – 261144
Mobile : 98423 14477
email : richisassociates@gmail.com

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Designated Partner

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This is to certify that **Abish R.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14-11-2022 at RICHIS Associates LLP.

We wish him all the best for his future endeavours.

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Designated Partner

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This is to certify that **Anu Dharshini N.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14- 11-2022 at RICHIS Associates LLP.

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Designated Partner

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This is to certify that **Bavi K.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14-11-2022 at RICHIS Associates LLP.

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This is to certify that **Devi S.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14-11-2022 at RICHIS Associates LLP.

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This is to certify that **Pavithra K.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14-11-2022 at RICHIS Associates LLP.

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This is to certify that **Jeshika S.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14-11-2022 at RICHIS Associates LLP.

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This is to certify that **Sneha N.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14-11-2022 at RICHIS Associates LLP.

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This is to certify that **Subisha J.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14-11-2022 at RICHIS Associates LLP.

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This is to certify that **Swetha S.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14-11-2022 at RICHIS Associates LLP.

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Designated Partner

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This is to certify that **Esakki Pandi K.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14- 11-2022 at RICHIS Associates LLP.

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This is to certify that **Magesh M.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14-11-2022 at RICHIS Associates LLP.

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This is to certify that **Maria Ajith M.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14- 11-2022 at RICHIS Associates LLP.

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This is to certify that **Senthil Kumar K.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14- 11-2022 at RICHIS Associates LLP.

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This is to certify that **Ratheesh C.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14- 11-2022 at RICHIS Associates LLP.

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This is to certify that **Vinu C.**, a student of B.E. Civil Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days Internship programme from 31-10-2022 to 14-11-2022 at RICHIS Associates LLP.

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Partner

Er. D. DENNIS VEDA JOHN B.E.,
Govt. Contractor

Opp. to TNEB, Moolachel,
Thuckalay P.O. - 629 175
Kanyakumari District.
Cell : 9443102420

Date : ...14.11.2022.

Training Certificate

This is to certify that Mr.SUBINRAJ.T (960119103004) student of Final year 7th Semester, B.E.(Civil Engineering) degree course in Annai Vailankanni College of Engineering, Pottalkulam, Kanya Kumari has completed the inplant training in V.D.L. Construction, Moolachel, Thuckalay in the period of 31.10.2022 to 14.11.2022.

During this period his conduct and character was good.



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Govt. Contractor
Opp. to TNEB, Moolachel,
Thuckalay P.O., K.K. Dsit.
Ph : 9443102420

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Govt. Contractor

Opp. to TNEB, Moolachel,
Thuckalay P.O. - 629 175
Kanyakumari District.
Cell : 9443102420

Date : 14.11.2022.

Training Certificate

This is to certify that Miss. LAKSHMLE (960119103003) student of Final year 7th Semester, B.E.(Civil Engineering) degree course in Annai Vailankanni College of Engineering, Pottalkulam, KanyaKumari has completed the inplant training in V.D.L. Construction, Moolachel, Thuckalay in the period of 31.10.2022 to 14.11.2022.

During this period her conduct and character was good.



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Govt. Contractor
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Govt. Contractor

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Thuckalay P.O. - 629 175
Kanyakumari District.
Cell : 9443102420

Date : ...14..11..20.22.

Training Certificate

This is to certify that Mr. RAJAN.K (960119103301) student of Final year 7th Semester, B.E.(Civil Engineering) degree course in Annai Vailankanni College of Engineering, Pottalkulam, KanyaKumari has completed the inplant training in V.D.L. Construction, Moolachel, Thuckalay in the period of 31.10.2022 to 14.11.2022.

During this period his conduct and character was good.



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Govt. Contractor

Opp. to TNEB, Moolachel,
Thuckalay P.O. - 629 175
Kanyakumari District.
Cell : 9443102420

Date :14.11.2022.

Training Certificate

This is to certify that Miss. KARTHIKA.C (960119103002) student of Final year 7th Semester, B.E.(Civil Engineering) degree course in Annai Vailankanni College of Engineering, Pottalkulam, KanyaKumari has completed the inplant training in V.D.L. Construction, Moolachel, Thuckalay in the period of 31.10.2022 to 14.11.2022.

During this period her conduct and character was good.



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Govt. Contractor
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Thuckalay P.O., K.K. Dsit.
Ph : 9443102420

Er. D. DENNIS VEDA JOHN B.E.,
Govt. Contractor

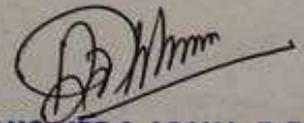
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Kanyakumari District.
Cell : 9443102420

Date : ...14.11.2022.

Training Certificate

This is to certify that Miss.UMA.R (960119103005) student of Final year 7th Semester, B.E.(Civil Engineering) degree course in Annai Vailankanni College of Engineering, Pottalkulam, Kanya Kumari has completed the inplant training in V.D.L. Construction, Moolachel, Thuckalay in the period of 31.10.2022 to 14.11.2022.

During this period her conduct and character was good.



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Kanyakumari District.
Cell : 9443102420

Date : 14.11.2022

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During this period her conduct and character was good.

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This is to certify that Ms. Asia Juliet S has done her internship in Business Management at Kumari Shoppy, Karungal, from 27th July 2022 to 31st August 2022.

She has worked on a project titled " Tamilnadu Expansion ". This project was launched with a big target to reach all over Tamilnadu for our service. As part of the project, she has product innovation and marketing strategies based on the design briefs and promo specifications.

During her internship, she demonstrated his skills with self-motivation to learn new skills. Her performance exceeded our expectations and she was able to complete the target on time.

Wishing you good luck in your future endeavours.

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31-08-2022.

Dheebin K
Founder and Managing Director





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This is to certify that Mr. Avinesh V has done his internship in Business Management at Kumari Shoppy, Karungal, from 27th July 2022 to 31st August 2022.

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Dheebin K
Founder and Managing Director





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This is to certify that Ms. Babisha M has done her internship in Business Management at Kumari Shoppy, Karungal, from 27th July 2022 to 31st August 2022.

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31-08-2022.

Dheebin K
Founder and Managing Director





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This is to certify that Ms. Jerisha C has done her internship in Business Management at Kumari Shoppy, Karungal, from 27th July 2022 to 31st August 2022.

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Wishing you good luck in your future endeavours.

Karungal,
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Dheebin K
Founder and Managing Director





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During her internship, she demonstrated his skills with self-motivation to learn new skills. Her performance exceeded our expectations and she was able to complete the target on time.

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During her internship, she demonstrated his skills with self-motivation to learn new skills. Her performance exceeded our expectations and she was able to complete the target on time.

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Founder and Managing Director





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This is to certify that Ms.Thana Reka R has done her internship in Business Management at Kumari Shoppy, Karungal, from 27th July 2022 to 31st August 2022.

She has worked on a project titled " Tamilnadu Expansion ".This project was launched with a big target to reach all over Tamilnadu for our service. As part of the project, she has product innovation and marketing strategies based on the design briefs and promo specifications.

During her internship, she demonstrated his skills with self-motivation to learn new skills. Her performance exceeded our expectations and she was able to complete the target on time.

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31-08-2022.

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Founder and Managing Director





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WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL NO : 3322
RL NO : 2090
ML NO : 965

Date 14-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that ALWIN BINAKASH J., a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at BABULENS ENTERPRISES.

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M. V. V. V. V.
Proprietor



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RL.NO : 2090
ML.NO : 965

Date 14-11-2022

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This is to certify that **BENO SAM J.**, a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at **BABULENS ENTERPRISES.**

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This is to certify that JEGAN GNANA MOORTHY M., a student of Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at BABULENS ENTERPRISES.

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ML.NO : 965

GST.NO : 33AFIPA2275G1ZV

Date 14-11-2022

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This is to certify that MYDEENISMAIL S., a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at BABULENS ENTERPRISES.

We wish him all the best for his future endeavours.

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M. J. Anderson
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ML.NO : 965

Date 14-11-2022

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This is to certify that NITHISH KUMAR A., a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at BABULENS ENTERPRISES.

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that PETCHIAMMAL M., a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at BABULENS ENTERPRISES.

We wish her all the best for her future endeavours.

For BABULENS ENTERPRISES

M. J. Indirajan
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

QRT.NO : 33AFIPA2275Q12V

DL.NO : 3322
RL.NO : 2090
ML.NO : 965

Date 14-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that PRABHAHAR S., a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at BABULENS ENTERPRISES.

We wish him all the best for his future endeavours.

For BABULENS ENTERPRISES

M. J. Anandarajan
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST NO : 33AFHIA2375012V

DL.NO : 3322
RL.NO : 2090
ML.NO : 065

Date14-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **RANJITHA B.**, a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at **BABULENS ENTERPRISES.**

We wish her all the best for her future endeavours.

For **BABULENS ENTERPRISES**

M. J. Jindran
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 965

Date 14-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that RANJITHA B., a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at BABULENS ENTERPRISES.

We wish her all the best for her future endeavours.

For BABULENS ENTERPRISES

M. J. Jindran
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GBT.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 965

Date 14-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **SIVA C.**, a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at **BABULENS ENTERPRISES.**

We wish him all the best for his future endeavours.

For **BABULENS ENTERPRISES**

M. V. Anderson
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 955

Date 14-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that SUMAN M., a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at BABULENS ENTERPRISES.

We wish him all the best for his future endeavours.

For BABULENS ENTERPRISES

M. Anderson
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

QST.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 965

Date 14-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **THANUSHA T R .**, a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at **BABULENS ENTERPRISES**.

We wish her all the best for her future endeavours.

For **BABULENS ENTERPRISES**

M. Anderson.
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AF1PA2275G1ZV

DL NO : 3322
RL NO : 2050
ML NO : 865

Date 14-11-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that VIGNESH M., a student of B.E. Electronics and Communication Engineering (II Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 31-10-2022 to 14-11-2022 at BABULENS ENTERPRISES.

We wish him all the best for his future endeavours.

For BABULENS ENTERPRISES

M. Andherson
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2276G1ZV

DL NO : 3322
RL NO : 2090
ML NO : 965

Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that SREE VINISHA SHALINI P S ., a student of B.E. Electronics and Communication Engineering (4th Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at BABULENS ENTERPRISES.

We wish her all the best for her future endeavours.

For BABULENS ENTERPRISES

M. V. Anderson
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 965

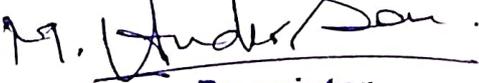
Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that SNEKA H., a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at BABULENS ENTERPRISES.

We wish her all the best for her future endeavours.

For BABULENS ENTERPRISES


Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 065

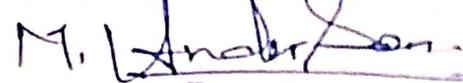
Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that SATHESKUMAR C., a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at BABULENS ENTERPRISES.

We wish him all the best for his future endeavours.

For BABULENS ENTERPRISES


Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 905

22
00
15

Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **KARTHICK .,** a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankaani College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at BABULENS ENTERPRISES.

We wish him all the best for his future endeavours.

For **BABULENS ENTERPRISES**

M. V. Sundar
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL NO : 3322
RL NO : 2090
ML NO : 966

05-12-2022

Date

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **SUNDAR RAJA P.**, a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at **BABULENS ENTERPRISES**.

We wish him all the best for his future endeavours.

For **BABULENS ENTERPRISES**

M. V. Anand
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 965

Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **JUDESON BINO B.**, a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankaani College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at **BABULENS ENTERPRISES**.

We wish him all the best for his future endeavours.

For **BABULENS ENTERPRISES**

M. V. Sundar
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST NO : 33AFIPAB27501ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 965

Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **BELWIN JOSHUA J.**, a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at **BABULENS ENTERPRISES.**

We wish him all the best for his future endeavours.

For **BABULENS ENTERPRISES**
M. V. V. V. V.
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 965

Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that SIVARAJ S., a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at BABULENS ENTERPRISES.

We wish him all the best for his future endeavours.

FOR BABULENS ENTERPRISES

M. V. Anderson
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL NO : 3322
RL NO : 2000
ML NO : 006

Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **SANTHIYA R.**, a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at **BABULENS ENTERPRISES.**

We wish her all the best for her future endeavours.

For **BABULENS ENTERPRISES**

M. V. V. V. V.
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DLNO : 3322
RLNO : 2080
MLNO : 865

Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **GANGA DEVI M.**, a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at BABULENS ENTERPRISES.

We wish her all the best for her future endeavours.

For BABULENS ENTERPRISES
M. V. Anderson
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 965

Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **GANGA V.**, a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at **BABULENS ENTERPRISES**.

We wish her all the best for her future endeavours.

For BABULENS ENTERPRISES
M. V. Anderson
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 965

Date05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **MAKENTH R.**, a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at **BABULENS ENTERPRISES**.

We wish him all the best for his future endeavours.

For **BABULENS ENTERPRISES**

M. Anderson
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 005

Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that AHSAN AKTHAR A., a student of B.E Electronics and Communication Engineering (III Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at BABULENS ENTERPRISES.

We wish him all the best for his future endeavours.

For BABULENS ENTERPRISES
M. V. Underka
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AF1A2276G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 905

Date (05-12-2022)

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **KARTHICK .,** a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankaani College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at **BABULENS ENTERPRISES.**

We wish him all the best for his future endeavours.

For **BABULENS ENTERPRISES**

M. V. Sundar San.
Proprietor



BABULENS ENTERPRISES

MANUFACTURER OF ELECTRONIC WEIGHING MACHINES
WEIGHBRIDGES AND SYSTEMS

GST.NO : 33AFIPA2275G1ZV

DL.NO : 3322
RL.NO : 2090
ML.NO : 965

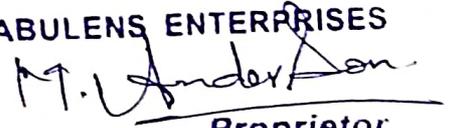
Date 05-12-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **THANUSHA T S.**, a student of B.E. Electronics and Communication Engineering (III Year), Annai Vailankanni College of Engineering, Pottalkulam, Kanyakumari District, Tamilnadu has successfully completed 15 days Internship Programme from 21-11-2022 to 05-12-2022 at **BABULENS ENTERPRISES**.

We wish her all the best for her future endeavours.

For **BABULENS ENTERPRISES**


Proprietor

TO WHOM SO EVER IT MAY CONCERN

This is to certify that the following students of **B.E – Mechanical Engineering, Annai Vailankanni College of Engineering**, Pottalkulam, Kanyakumari District, Tamil Nadu has successfully completed 15 days of Internship program (Dated from 31-10-2022 to 14-11-2022) at **TECH & TUNE ENGINEERING & SERVICES**.

During the period of Internship, they demonstrated good design skills with a self-motivated attitude to learn new things. Their performance was good and was able to complete the project successfully on time.

We wish them all the best for their future endeavours.

For TECH & TUNE ENGINEERING & SERVICES,

Regards,



Er.M.Rajesh,M.E.,M.I.E.,A.I.V.,C.Eng(I)

RSE - Grade I & RE – Grade I

Managing Director.



SI. NO	REGISTER NO	NAME OF THE STUDENT
1	960121114001	ABINESH K
2	960121114002	ANISH M
3	960121114003	ANNIES RAVIN R
4	960121114004	BEBIN RAJ E
5	960121114006	INFANT SANJAY A
6	960121114007	JEBIN A
7	960121114008	KARTHIGAISELVAN G
8	960121114009	KING SHERIN C
9	960121114010	KRISHNAN G
10	960121114011	MANIMURUGESWARAN A
11	960121114013	RAJA S
12	960121114014	RAM PRASAD S
13	960121114021	SUBIN S
14	960121114023	THANUSH A
15	960121114025	VINITH T



ANNA VAILANKANNI COLLEGE OF ENGINEERING

AVK Nagar, Pottalkulam, Kanyakumari-629 401.
Recognized under section 2(f) of UGC Act, 1956,
Approved by AICTE, New Delhi & Affiliated to Anna University,
Chennai.

Internship details

Academic Year : 2022-23(Even Semester)

Name of the Department :III CSE

Batch: 2021 -2025

S.no	REGISTERNUMBER	NAME	Name of the company	Contact number
1	960120104001	ABINESH P	Cks solution(Nagerc oil)	7395880550
2	960120104002	ANISHA K	Iconix (Thirunelveli)	9629386835
3	960120104003	ANUSHIYA M	Iconix (Thirunelveli)	9488272512
4	960120104004	ARUN A		
5	960120104005	ASHICK A	Code bind technologies(coimbutore)	8300762281
6	960120104006	ASHIMI A.U	Iconix (Thirunelveli)	9385541161
7	960120104007	BAGAVATHI T	Iconix (Thirunelveli)	9080362223
8	960120104008	BHUVANESWARI M	Iconix (Thirunelveli)	9486527655
9	960120104009	DHANUSHA S	Iconix (Thirunelveli)	9524671775
	960120104010	JAVENISHA B	Iconix (Thirunelveli)	9694060360



Angel

PRINCIPAL
ANNA VAILANKANNI COLLEGE OF ENGINEERING
POTTALKULAM
AZHAGAPPURAM - 629 401
KANYAKUMARI DIST.