

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU
DEPARTMENT OF CIVIL ENGINEERING
PROJECT BATCH LIST - 2018

A-SECTION

SL.NO.	USN	NAME	BATCH No.	GUIDE NAME	Project Title with date
1.	4AI16CV413	NAYANA C	Batch-1	Dr.M.Ramegowda	Analysis and design of Residential building using Stodpro (Lts) 31/10/18
2.	4AI16CV401	DARSHAN R			
3.	4AI16CV421	SACHIN M S			
4.	4AI14CV029	FARAZ AHAMED			
5.	4AI15CV010	ATHMASHREE M C	Batch-2	D.L.Lakshmi Narasimha	Qualitative Analysis of Open well water in Chikkamagaluru Town 30/10/2018
6.	4AI15CV018	CHAYALAHARI A L			
7.	4AI15CV042	MANJUNATH H			
8.	4AI15CV012	SHYWICK B Y			
9.	4AI15CV049	MOHAMMED RUMAN	Batch-3	Dr.B.M.Kiran	A STUDY ON STRUCTURAL BEHAVIOUR OF REINFORCED SELF COMPACTING CONCRETE COLUMNS BY VARYING (L/D) RATIO
10.	4AI15CV002	ABHISHEK M C			
11.	4AI16CV411	MONISHA D M			
12.	4AI16CV423	SHIVAKUMARA T			
13.	4AI15CV029	HARISHA P	Batch-4	Mr.Yogananda	Comparative Study on performance of mortar Enhanced with Corrot powder 30/10/2018
14.	4AI16CV410	MANOJ KUMAR S			
15.	4AI15CV006	AKSHITHA V R			
16.	4AI15CV045	MANU B G			
17.	4AI15CV030	HARSHITHA B M	Batch-5	Mr.Vijaya Kumar Y.M.	Experimental study on Bamboo reinforced concrete.
18.	4AI14CV125	SHREYA H N			
19.	4AI15CV032	ISHPAL SINGH			
20.	4AI15CV050	MOHAMMED SAAD BAIG			
21.	4AI16CV406	KARTHIK H K	Batch-6	Mr.Sanjith J.	A experimental study on load deformation behaviour of Reinforced geopolymer concrete Columns 30/10/2018
22.	4AI15CV027	GURUCHARAN R SHETTY			
23.	4AI15CV026	GRANTHANA H V			
24.	4AI16CV405	KARTHIK B KALMATH			
25.	4AI15CV001	ABHISHEK C S	Batch-7	Mrs.Ashwini B.T.	COMPARATIVE STUDY OF BANANA AND JUTE FIBRE REINFORCED CONCRETE WITH CONVENTIONAL CONCRETE. 29/10/2018
26.	4AI15CV014	BHAVYASHREE K N			
27.	4AI15CV124	SHEEBA SHARIF			
28.	4AI14CV085	SAMPREETH C V			
29.	4AI15CV024	GANESHA P G	Batch-8	Mr.Kavan M.R.	EXPERIMENTAL INVESTIGATION ON ENGINEERED CEMENTITIOUS COMPOSITES USING PPA FIBERS 30/10/2018
30.	4AI15CV009	ARPITHA K S			
31.	4AI15CV039	LIKITH N S			
32.	4AI16CV404	JEEVAN S C			

33.	4AI15CV053	NATRAJ R L	Batch-9	Mr.Naveen Kumar S.M.	Experimental Study on creep Behavior -our of high strength self-compact -ing concrete 30/10/18
34.	4AI16CV427	YARRYSWAMY G			
35.	4AI15CV023	DHANYASHREE V			
36.	4AI15CV041	MANJUNATH B G			
37.	4AI15CV043	MANOJ K S	Batch-10	Mr.Chethan V.R.	Study on Behavior of Engineering Cementious Composites by Carbon fibre. 30/10/2018
38.	4AI15CV003	AGNA H A			
39.	4AI15CV015	CHANDAN A N			
40.	4AI14CV015	ARUVALA SHIVAKUMARA			
41.	4AI16CV414	NIVEDITHA H	Batch-11	Mr.Arjun B.	Expuimental study of Normal strength concrete made with granite powder as partial Replacement to sand 30/10/2018.
42.	4AI15CV019	CHETHAN R			
43.	4AI16CV409	MANJUSHREE A P			
44.	4AI15CV033	J H HARSHA			
45.	4AI16CV425	THILAK A	Batch-12	Mr.Chethan G.	Experimental study on load deformation Behaviour of high strength Calceate Columns
46.	4AI16CV418	RANJEETHA P			
47.	4AI12CV350	KARTHIK B V			
48.	4AI13CV104	SUCHAKA R MARAK			
49.	4AI15CV007	ANUSHA K R	Batch-13	Mrs.Kavya B.R.	Study on partial replacement of ordinary portland cement by silica fumes 30/10/18.
50.	4AI16CV412	MUKESH SINGH M			
51.	4AI16CV424	SUHAS H R			
52.	4AI15CV034	JAIDATH K C			
53.	4AI15CV031	ISHA MACWAN	Batch-14	Mr.Abhilash D.T.	Study on concrete using waste plastic as a partial replacement to aggregates. 30/10/18
54.	4AI15CV016	CHANDAN N M			
55.	4AI15CV021	DARSHAN G N			
56.	4AI14CV068	ONEAL DARSHAN			
57.	4AI14CV073	POOJA P	Batch-15	Mr.Goutham D.R.	Experimental. Investigation on Expansive Soil Stabilizing by using bagassh ash. 30/10/18.
58.	4AI15CV008	ARPITHA I V GOWDA			
59.	4AI15CV028	GRURUPRASAD M D			
60.	4AI15CV051	NAGARAJA K			
61.	4AI15CV044	MANOJ S			
62.		MANU			

Signature of the H.O.D.

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU
DEPARTMENT OF CIVIL ENGINEERING
PROJECT BATCH LIST - 2018

B-SECTION

SL.NO.	USN	NAME	BATCH No.	GUIDE NAME	Project Title with date
1.	4AI15CV110	SUMANTH N M	Batch-1	Dr.M.Ramegowda	ANALYSIS AND DESIGN OF CONVENTIONAL AND FLAT SLABS. <i>Sumanth N.M</i> 29/10/2018
2.	4AI16CV417	RACHANA			
3.	4AI15CV061	POOJA S KUMAR			
4.	4AI15CV105	SUCHITH S			
5.	4AI15CV108	SUHAS M H	Batch-2	D.L.Lakshmi Narasimha	Design of water treatment plant for Chikkamagaluru town. <i>Sumanth N.M</i> 29/10/2018
6.	4AI15CV085	SAMARTHA GOWDA G S			
7.	4AI15CV060	POOJA B T			
8.	4AI15CV056	NISCHITHA V S			
9.	4AI15CV114	UDAYKUMAR L	Batch-3	Dr.B.M.Kiran	Performance analysis of Normal strength and self compacting CFST columns <i>Uday K.L.</i> 30/10/2018
10.	4AI15CV087	SANDHYA A V			
11.	4AI15CV115	VARSHINI B S			
12.	4AI15CV065	PRAJWAL SURESH C S			
13.	4AI16CV416	PRAVEENA N N	Batch-4	Mr.Yogananda	Evaluation of load v/s axial deformation Behaviour of Normal strength and Geopolymer CFST columns <i>Vinayaka P.E</i> 30/10/2018
14.	4AI16CV426	VINAYAKA T K			
15.	4AI15CV052	NAMITHA M L			
16.	4AI15CV119	VENUGOPALA B S			
17.	4AI15CV054	NAVYASHREE S	Batch-5	Mr.Vijaya Kumar Y.M.	Effective Utilization of waste glass in concrete. <i>S</i> 31/10/2018
18.	4AI16CV420	SACHIN K R			
19.	4AI16CV428	YUVARAJA Y B			
20.	4AI15CV091	SHAILAJA			
21.	4AI15CV099	SINCHANA D C	Batch-6	Mr.Sanjith J.	Load deformation hysteretic behaviour of high strength concrete filled tubular Short Columns <i>Shwetha</i> 30/10/2018
22.	4AI15CV098	SHWETHA NAMBIAR			
23.	4AI15CV123	WANSAMSHNGAIN SUMER			
24.	4AI15CV407	GASPER MAVA			
25.	4AI15CV097	SHUBHA B M	Batch-7	Mrs.Ashwini B.T.	Study on mechanical properties of Jute fiber reinforced polymer matrix composite. <i>Shubha B.M</i> 30/10/2018
26.	4AI15CV102	SONY H L			
27.	4AI16CV422	SAMEER H M			
28.	4AI15CV071	RAGHAVENDRA GOWDA C R			
29.	4AI15CV120	VIDYA C	Batch-8	Mr.Kavan M.R.	Chemical durability studies of engineered cementitious composites using mineral fibers <i>Vidya C</i> 30/10/18
30.	4AI16CV419	SACHIN G P			
31.	4AI15CV100	SINDHU A C			
32.	4AI15CV092	SHASHANK S JOIS			

33.	4AI15CV055	NISCHITHA RAJ	Batch-9	Mr.Naveen Kumar S.M.	Experimental study on Shrinkage behaviour of high strength self compacting concrete <u>Shreshtha</u> 29/10/18
34.	4AI15CV096	SHRESHTA C M			
35.	4AI15CV104	SRIGANDH S R			
36.	4AI15CV059	PAVAN N P			
37.	4AI15CV103	SPOORTHY H N	Batch-10	Mr.Chethan V.R.	Development of Engineered Cementitious Composites using Polyethylene fibers <u>Chethan</u> 31/10/18
38.	4AI15CV076	REKHA H C			
39.	4AI16CV408	KRISHNAMURTHY B R			
40.	4AI15CV064	PRAJWAL RAVISH GOWDA			
41.	4AI16CV403	GAURAV G	Batch-11	Mr.Arjun B.	Experimental Study on Normal strength Concrete made with Copper slag as partial replacement to sand <u>Arjun</u> 30/10/18
42.	4AI15CV083	SAI ALEKYA P			
43.	4AI15CV078	SACHIN D			
44.	4AI15CV058	PAVAN C S			
45.	4AI15CV090	SHAGUN C P	Batch-12	Mr.Chethan G.	Experimental study on load deformation behaviour of Normal strength concrete columns. <u>Chethan</u> 31/10/18
46.	4AI15CV117	VASUKI M B			
47.	4AI15CV109	SUMA N			
48.	4AI15CV077	ROHITH K R			
49.	4AI15CV074	RAHUL R	Batch-13	Mrs.Kavya B.R.	Analysis and design of reinforced concrete beam and column using StAAD Pro <u>Kavya</u> 30/10/18
50.	4AI15CV082	SAHITHYA C N			
51.	4AI15CV122	VIJAY N J			
52.	4AI15CV106	SUCHITHRA T J			
53.	4AI15CV095	SHEETHAL S L	Batch-14	Mr.Abhilash D.T.	Experimental investigation on laterite Concrete <u>Abhilash</u> 30/10/18
54.	4AI15CV070	VANISHREE R T			
55.	4AI16CV415	PRASHANTH M C			
56.	4AI15CV072	RAHUL D J			
57.	4AI15CV118	VENKATESH A	Batch-15	Mr.Goutham D.R.	Experimental investigation on expansive soil stabilized by using coir fibre. <u>Goutham</u> 30/10/18
58.	4AI15CV080	SADIYA ANWER			
59.	4AI15CV113	SUPRITH M R.			
60.	4AI15CV079	SACHIN M S			
61.	4AI15CV069	PRUTHVEESH A E GOWDA	Batch-16	Mrs.Rikitha K.S.	Improvement in CBR value of clayey soil reinforced with Pute fibre <u>Rikitha</u> 31/11/18
62.	4AI16CV400	ABHISHEKA M E			
63.	4AI15CV075	RANJITHA D			
64.	4AI15CV111	SUMANATH RAJ R			
65.	4AI15CV093	SHASHIDHAR K N	Batch-17	Ms.Soumya B.S.	Experimental Study on Addition of Ferric Oxide nano Particles on Properties of concrete. <u>Soumya</u> 30/10/18
66.	4AI15CV063	PRABHU C			
67.	4AI15CV101	SONIA B M			
68.	4AI15CV057	PARIKSHITH K H			
69.	4AI15CV062	POOJITHA A O			

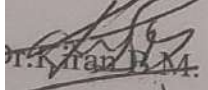
CHIKKAMAGALURU INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU
DEPARTMENT OF CIVIL ENGINEERING
BATCH LIST - 2019 (FINAL YEAR INTERNSHIP AND PROJECT WORK)

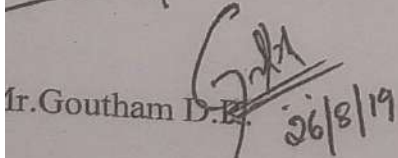
A-SECTION

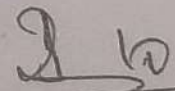
SL.NO.	USN	NAME	BATCH No.	GUIDE NAME
1.	4AI16CV014	BHUMIKA L T	Batch-1	Dr.M.Rame Gowda
2.	4AI16CV031	GANESH K V		
3.	4AI17CV408	KAVANA A N		
4.	4AI15CV068	PRERAN B P		
5.	4AI17CV415	NIKITHA N N		
6.	4AI16CV033	HEMANTHA C R	Batch-2	Mr.Shekhar H.G.
7.	4AI17CV416	POORNA CHANDRA D S		
8.	4AI15CV107	SUHAS B S		
9.	4AI16CV016	BINDHU K D	Batch-3	Dr.Kiran B.M.
10.	4AI16CV015	BHUVAN GOWDA A H		
11.	4AI14CV119	VINUTH A P		
12.	4AI14CV071	PAVAN KUMAR B K		
13.	4AI16CV011	BOOMIKA C L	Batch-4	Dr.Vijaya Kumar Y.M.
14.	4AI17CV407	HAREESH		
15.	4AI14CV120	YASHWANTH J		
16.	4AI14CV089	SHASHANK G G		
17.	4AI16CV029	FAIZAAN AHMED	Batch-5	Mr.Yogananda
18.	4AI16CV045	MANJUNATHA A S		
19.	4AI15CV121	VIDYASHREE K M		
20.	4AI17CV411	MANU R		
21.	4AI16CV001	ADVITHA B E	Batch-6	Mrs.Shruthi C.G.
22.	4AI16CV040	KRUPA A N		
23.	4AI16CV049	MD ZABI G S		
24.	4AI16CV007	ASHISH C		
25.	4AI17CV413	MEGHANA H N	Batch-7	Mr.Sanjith J.
26.	4AI17CV410	MADHU B C		
27.	4AI16CV037	KARTHIKESWARA B O		
28.	4AI16CV021	CHIRAG M B		
29.	4AI17CV402	BINDU M D	Batch-8	Mrs.Ashwini B.T.
30.	4AI16CV039	KISHOR CHANDRA R		
31.	4AI17CV406	DILEEP C		
32.	4AI15CV067	PRAVEENA Y		
33.	4AI16CV036	KARTHIKA H T	Batch-9	Mr.Kavan M.R.
34.	4AI17CV401	BHIMAREDDY S		
35.	4AI15CV017	CHANDAN P S		
36.	4AI15CV066	PRAKRUTHI A P		
37.	4AI16CV047	MD ARMAAN	Batch-10	Mr.Naveen Kumar S.M.
38.	4AI16CV030	GAGANA H		
39.	4AI16CV006	ARUN M M		
40.	4AI16CV005	ANUDEEP M GOWDA		
41.	4AI17CV419	RAKSHITHA P S	Batch-11	Mr.Chethan V.R.
42.	4AI16CV032	GOWTHAM D N		
43.	4AI16CV002	AMRUTH HIREMATT		
44.	4AI16CV019	CHARAN J S		

45.	4AI16CV035	KARAN SINGH RAJPUROHIT	Batch-12	Mr.Arjun B.
46.	4AI16CV013	BOOMIKA P L		
47.	4AI16CV022	DARSHAN G		
48.	4AI15CV025	GOKUL S N		
49.	4AI17CV400	ANIL MENEZES	Batch-13	Mr.Chethan G.
50.	4AI16CV027	DHANUSH M GOWDA		
51.	4AI16CV038	KAVYA D R		
52.	4AI16CV008	BHALAJI B L		
53.	4AI16CV042	MADHUSREE M K	Batch-14	Mrs.Kavya B.R.
54.	4AI16CV017	CHANDAN P		
55.	4AI16CV041	LIKHITH ANAVERI A R		
56.	4AI15CV116	VARUN C K		
57.	4AI17CV412	MEGHA C P	Batch-15	Mrs.Rikitha K.S.
58.	4AI16CV018	CHANDAN V G		
59.	4AI16CV043	MALLIKARJUNA B V		
60.	4AI14CV040	KARTHIK RAJ KOTI		
61.	4AI16CV012	BOOMIKA H R	Batch-16	Mr.Abhilash D.T.
62.	4AI16CV020	CHEZHAN K		
63.	4AI16CV044	MANJUNATH		
64.	4AI15CV037	KISHOR M		
65.	4AI16CV025	DEEPIKA S D	Batch-17	Mr.Goutham D.R.
66.	4AI16CV009	BALAKRISHNA N P		
67.	4AI16CV023	DARSHAN S M		
68.	4AI17CV403	CHANDAN KUMAR H V		
69.	4AI16CV010	BHARATH C A	Batch-18	Mr.Suyog H.
70.	4AI17CV418	PRIYANKA S		
71.	4AI15CV036	NIRMAL HRUDAY K S		
72.	4AI15CV004	AKIFF ISMAIL		
73.	4AI14CV026	DARSHAN T M	Batch-19	Mr.Abhinag
74.	4AI16CV028	DHANUSH S N		
75.	4AI17CV405	DEEPA C B		
76.	4AI16CV130	SRUJAN DEV M D		
77.	4AI16CV004	ANUROOP M GOWDA		
78.	4AI17CV404	DARSHAN K R		

Coordinators:


Mr. Arjun B.M.


Mr. Goutham D.R. 26/8/19


26.8.2019
Signature of the H.O.D.
Dr. M. RAME GOWDA, B.E.,
M.Tech.,(Struc.),(IIT-B),Ph.D.,(NITK),
Professor & Head of the Department,
Department of Civil Engineering,
Adichunchanagiri Institute of Technology
CHIKMAGALUR - 577102

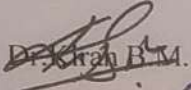
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU
DEPARTMENT OF CIVIL ENGINEERING
BATCH LIST - 2019 (FINAL YEAR INTERNSHIP AND PROJECT WORK)

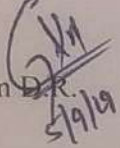
B-SECTION

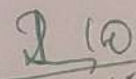
SL.NO.	USN	NAME	BATCH No.	Title of the Project
1.	4AI16CV061	PALLAVI H M	Batch-1	Analysis and design of Residential building using steel Pro Gts Naveen TR
2.	4AI16CV054	NAVEEN T R		
3.	4AI16CV073	PRATHEEKA KESTOOR		
4.	4AI16CV057	NIKHIL N		
5.	4AI16CV077	PUNEETH GOWDA G A	Batch-2	A study on Rain fall intensity duration versus in Chikmagalur -Uru Region Pruthi
6.	4AI17CV424	SREERAKSHA K		
7.	4AI16CV055	NAVYASREE S Y		
8.	4AI16CV052	NAIDILE M P		
9.	4AI16CV105	SHIVKUMAR M	Batch-3	A study of soil and ground water characteristics around the coffee processing unit in Chikmagalur Pruthi
10.	4AI16CV128	IBBANI		
11.	4AI16CV083	REVANTH M PRABHU		
12.	4AI16CV104	SHASHANK H M		
13.	4AI16CV058	NISARGA C K	Batch-4	A study on strength of concrete by carbon dioxide Naveen 23/9/19
14.	4AI16CV063	PATHRIK A K		
15.	4AI17CV422	SHIVA KUMAR G S		
16.	4AI16CV119	VARUN N		
17.	4AI16CV117	THUNGESH T N	Batch-5	Analysis & Design of multi-storey building using Finite element Analysis software.
18.	4AI16CV076	PUNEETH GOWDA B N		
19.	4AI16CV090	SAHANA INDRESH M		
20.	4AI16CV107	SHYLAJA		
21.	4AI16CV059	NISARGA S S	Batch-6	Water quality Analysis of wetlands in Chikmagalur city. Chirp
22.	4AI16CV060	NISHCHAY LOKESH		
23.	4AI16CV062	PARADE BHIMASHANKAR		
24.	4AI16CV067	PRAJWAL B N		
25.	4AI16CV065	POOJA B K	Batch-7	Experimental study on geotechnical properties of soil with incorporation of biopolymers 23/9/19
26.	4AI16CV096	SANJAY S R		
27.	4AI16CV109	SUDHANVA H D		
28.	4AI16CV110	SUMANTH SHETTY C D		
29.	4AI16CV121	VIKASGOWDA N P	Batch-8	Analysis & design of residential building (g+s) using STAAD.pro
30.	4AI16CV075	PRIYANKA B L		
31.	4AI16CV078	RACHANA D P		
32.	4AI16CV126	YASIR MAQBOOL AHMED		
33.	4AI17CV421	ROOPA K P	Batch-9	Microstructure Analysis of Engineered Cementitious Composite with PPA fibers Rishika N Shetty 23/9/19.
34.	4AI16CV085	ROHITH KUMAR GOWDA H N		
35.	4AI16CV106	SREEVARA H S		
36.	4AI16CV084	RISHIKA N SHETTY		
37.	4AI16CV112	SUSHMA V S	Batch-10	Experimental study on shrinkage behavior of high strength self compacting concrete and high strength concrete 23/9/19
38.	4AI16CV069	PRAJWAL H N		
39.	4AI16CV080	RAKESH P J		
40.	4AI16CV087	SACHIN K N		
41.	4AI16CV068	PRAJWAL C PATIL	Batch-11	Study on behaviour of engineered cementitious composite by using steel fibres. Sahana M.P. 24/09/19
42.	4AI16CV064	PAVAN H D		
43.	4AI16CV089	SAHANA M P		
44.	4AI16CV093	SANDESH M		

AI17CV427	VAISHNAVI K M	Batch-12	Analysis and design of hotel building using E-tabs (4+3) Sharath N
AI16CV111	SUNAINA C A		
AI16CV102	SHARATH N		
AI17CV414	NAGARAJA NAIK		
AI16CV103	SHASHANK H	Batch-13	Utilization of steel slag in flexible -Pavement. H/S 03/9/19
AI16CV097	SHAIK ZAFAR AYUB		
AI16CV056	NEHAL AHMED		
AI16CV074	PRATHIUNA R		
AI16CV066	PRAJWALA D	Batch-14	Analysis & design of glass fibre reinforced concrete beams using Ansys Smita
AI17CV425	SUNIL KUMAR D S		
AI16CV123	VINAY SHETTY C P		
AI17CV420	RANJITH KUMAR SHETTY		
AI17CV428	VINEETH M	Batch-15	Analysis & design of G+4 Storey Residential building Using E-Tabs. Vineeth M 25/9/19
AI16CV101	SHARADHI H K		
AI16CV100	SHANMUKHA D R		
AI16CV079	RAHUL PATEL G S		
AI16CV122	VINAY B	Batch-16	Strength behavior of expansive soil stabilized with coir fibre & bagasse ash Vinay B 23/9/19
AI16CV053	NAVAMI M U		
AI16CV129	ROHAN GANESH		
AI16CV120	VENU P S		
AI16CV127	ARAHANATHA JAIN	Batch-17	Analysis and design of PER Warehouse using staad pro software Arahantha Jain 23/9/19
AI16CV094	SANIA IRAM		
AI16CV114	SWASHTHIK D J		
AI16CV099	SHAMU NAIK G		
AI16CV081	RAKSHITH C	Batch-18	Investigation on Land slides in watershed of Chikmagalur dist
AI16CV108	SINDHU E S		
AI16CV115	SYED NABEEL		
AI16CV070	PRAJWALA S NAYAK		

Coordinators:


Dr. M. Rame Gowda


Mr. Goutham



Signature of the H.O.D.
Dr. M. RAME GOWDA, B.E.
M.Tech., (Struc.) (IIT-B), Ph.D., (NITK),
Professor & Head of the Department,
Department of Civil Engineering,
Adichunchanagiri Institute of Technology,
CHIKMAGALUR - 577102.

ANALYSIS AND DESIGN OF G+3 RESIDENTIAL BUILDING USING 'ETABS SOFTWARE'

Batch Number:02

7th Semesta
A' section

Submitted by,

1. 4AI17CV028 JAYANTH C S
2. 4AI17CV014 CHIRAG S
3. 4AI17CV037 LIKITHA M
4. 4AI17CV029 JAYASIMHA B K

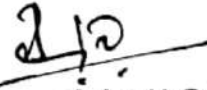
Under the Guidance of

Name: Mr.SHEKHAR H G

Designation: Associate Professor, AIT

Signature with date:


24/10/2020


Signature of the H.O.D

ANALYSIS AND DESIGN OF MULTISTORIED BUILDING (G+2) USING STAADPRO.

Batch Number: 04

Submitted by,

1. Mohammed Yaseen (4AI17CV047)
2. Likitha D (4AI17CV036)
3. Asif Khan H (4AI18CV404)
4. Sourav N Gowda (4AI18CV424)

Under the Guidance of

Name: Dr. Vijayakumar Y.M

Designation: Associate Professor

Signature with date:  24/10/2020.


Signature of HOD

ANALYSIS AND DESIGN OF A MULTISTOREYED HOSTEL BUILDING USING STAAD PRO.

Batch Number :06

Submitted by,

1. KARTHIK M (4AI17CV031)
2. DHARSHAN U.V (4AI17CV019)
3. ARUN KUMAR S.J (4AI17CV007)
4. GANA VI J (4AI17CV022)

Under the Guidance of

Name: Mrs Ashwini B.T

Designation: Assistant Professor

Signature with date : Ashwini

23/10/2020

Ashwini
Signature of HOD 23.10.20

WATER AUDITING FOR AIT COLLEGE, CHIKKAMAGALURU

(Soft Technique)


Batch Number: 07

Submitted by,

1. 4AI18CV402 - ANKITHA H R
2. 4AI17CV043 - MOHAMMAD TANZIL
3. 4AI18CV422 - SANDEEP R N
4. 4AI18CV423 - SHASHWATH S D

Under the Guidance of

Name: Mrs. Shruthi C.G.
Designation: Assistant Professor


23/10/20
Signature with date:


23.10.2020
Signature of the H.O.D

**ANALYSIS AND DESIGN OF A MULTISTOREYED
RESIDENTIAL BUILDING USING STAAD PRO.**

Batch Number :09

Submitted by,

1. JEESHMA TS (4AI17CV030)
2. ARUN B.J.Y (4AI17CV006)
3. PRAVEEN P.S (4AI18CV417)
4. MADANA KM (4AI17CV038)

Under the Guidance of

Name : Mrs Ashwini B.T

Designation : Assistant Professor

Signature with date : Ashwini .. 23/10/2020

[Signature]
23.10.2020
Signature of HOD

ANALYSIS AND DESIGN OF G+2 COMMERCIAL BUILDING

Batch Number: 10

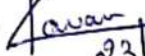
Submitted by,

1. 4AI17CV004 ALLAMESH K J
2. 4AI17CV017 DEEPAK G
3. 4AI17CV040 MANASA B M
4. 4AI16CV071 PRAMODH L O

Under the Guidance of

Name: Mr. Kavan M.R.

Designation: Assistant Professor

Signature with date:  23/10/2020

 24.10.2020
Signature of the H.O.D

“ANALYSIS AND DESIGN OF REINFORCED CONCRETE SLAB BRIDGE USING STAAD.PRO SOFTWARE”

**7th Semester, A section
Batch Number: 11**

Submitted by,

1. 4AI17CV011 :- C S DARSHAN SHUBHANKAR
2. 4AI17CV049:- MURULI B.E
3. 4AI18CV400:- AKSHAY H D
4. 4AI18CV418 :- RAKSHITH G GOWDA

Under the Guidance of


Name: Mr.Naveen kumar S M


Designation: Assistant Professor,

Department of Civil engineering

AIT, Chikkhamagluru

Signature with date:

 24/10/2020


Signature of the H.O.D
24.10.2020

'A' See

ANALYSIS AND DESIGN OF COMMERCIAL BUILDING USING STAAD.PRO

Batch Number: 12

Submitted by,

1. 4AI18CV401 – Amith K.V.
2. 4AI17CV050 – Nandini T.S.
3. 4AI17CV003 – Afrid Ahmed
4. 4AI16CV095 – Sanjay K.B.

Under the Guidance of

Name: Mr.Chethan G.

Designation: ASSISTANT PROFESSOR

DEPARTMENT OF CIVIL ENGINEERING

Signature with date:  24/10/2020


24.10.2020
Signature of H.O.D

ANALYSIS AND DESIGN OF RETAINING WALL USING STAAD PRO

BATCH NUMBER: 13

Submitted by,

1. 4AI17CV051-NEHA S.J KELUTH
2. 4AI18CV428-VIKAS B.J
3. 4AI17CV046-MOHAMMED SHABAZ
4. 4AI17CV020-FARDEEN ZIA

UNDER THE GUIDANCE OF

NAME: Mrs KAVYA B.R

DESIGNATION : ASSISTANT PROFESSOR

SIGNATURE WITH DATE: Kavya B.R.
23/10/20.

J. D.
23-10-2020
SIGNATURE OF H.O.D

"A" Section

ANALYSIS AND DESIGN OF HOSPITAL BUILDING USING ETABS

Batch Number: 14

Submitted by,

1. 4AI18CV429 – Yashwanth D. K.
2. 4AI17CV025 – Gowthami K. R.
3. 4AI17CV041 – Manoj Y.
4. 4AI16CV022 – Darshan G.


Under the Guidance of


Name: Mr.Arjun B.

Designation: ASSISTANT PROFESSOR

DEPARTMENT OF CIVIL ENGINEERING

Signature with date:


24/10/2020.


24.10.2020
Signature of H.O.D

TITLE OF THE PROJECT

**ANALYSIS AND DESIGN OF DIFFERENT TYPES OF
STAIRCASES**

Batch Number: 01

Submitted by,


1. 4AI17CV078 SAHANA N T
2. 4AI17CV057 NITHIN T M
3. 4AI17CV074 RUDRESH R CHAVAN
4. 4AI17CV116 ZOWMAN KABIR

Under the Guidance of

Name: Dr .M. RAMEGOWDA

Designation: PROFESSOR AND HEAD

DEPARTMENT OF CIVIL ENGINEERING

Signature with date: 
20.10.2020


Signature of H.O.D

Dr. M. RAME GOWDA

B.E.,M.Tech.(IT-B),Ph.D.(NITK)

Professor and Head
Department of Civil Engineering
Adichunchanarayana Institute of Technology
CHIKKALAKOTE, 577102

**“ANALYSIS AND DESIGN OF CANTILEVER
RETAINING WALL FOR SLOPED GROUND USING
STAAD.PRO SOFTWARE.”**

Batch Number:03

Submitted by,

1. 4AI17CV114 Yashwanthraj A B
2. 4AI17CV110 Vivek M
3. 4AI17CV068 Rachana G R
4. 4AI17CV097 Sunil Ramesh Jamakhandi

Under the Guidance of,

Name:Dr.Vijaya Kumar Y M

Designation:Associate Proffessor

Signature with date:


24/10/2020
Signature of the H.O.B 24.10.2020

TITLE OF THE PROJECT

**“ANALYSIS AND DESIGN OF SCHOOL BUILDING
(G+2)”**

BATCH NUMBER: 05

Submitted by,

1. PRAJWAL J MOOLEMANE (4AI17CV063)
2. SANJAY M G (4AI17CV081)
3. VACHANA H M (4AI17CV105)
4. PAVITRA P C (4AI18CV416)

Under the Guidance of

Name: Mr. KAVAN M R_{BE, MTech}

Designation: ASSISTANT PROFESSOR

DEPARTMENT OF CIVIL ENGINEERING

AIT, CHIKKAMAGALUR

Signature with Date:  23/10/2020


Signature of the H.O.D 24.10.2020

**“ANALYSIS AND DESIGN OF BOX CULVERT BRIDGE USING
STAAD.PRO SOFTWARE”**

**7th Semester, B section
Batch Number: 06**

Submitted by,

1. 4AI17CV087 :- SHIVA MURTHY M R
2. 4AI18CV407:- DARSHANA G M
3. 4AI18CV412:- MALLIKARJUN B KODER
4. 4AI18CV425 :- SOUMYA T G

Under the Guidance of

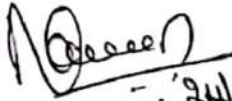
Name: Mr.Naveen kumar S M

Designation: Assistant Professor,

Department of Civil engineering

AIT, Chikkhamagluru

Signature with date:


- 24/10/2020 -


Signature of the H.O.D

ANALYSIS AND DESIGN OF COUNTERFORT RETAINING WALL

Batch Number: 07

Submitted by,

1. 4AI17CV098 - Suprabha P Shetty.
2. 4AI17CV086 - Shashank R.
3. 4AI17CV089 - Shreedhar Sanadi.
4. 4AI17CV076 - Sagar Devang B S.


Under the Guidance of:

Name: Mr. Goutham D.R.

Designation: Assistant Professor

Signature with date:


24/10/2020.


24.10.2020
Signature of the H.O.D

ANALYSIS AND DESIGN OF COLLEGE BUILDING

Batch Number :08

Submitted by,

1. Shashank H H (4AI17CV085)
2. Shreyas G (4AI17CV090)
3. Somanath (4AI17CV091)
4. Spoorthi A (4AI17CV094)

Under the Guidance of

Name : Mr. Abhilash D T

Designation : Assistant Professor

Signature with date :

Abhilash D T
24/10/2020

[Signature]
24.10.2020
Signature of HOD

ANALYSIS AND DESIGN OF MULTI STOREYED BUILDING USING STAAD PRO

Batch Number : 09

Submitted By,

1.4AI17CV107	VEDHANTH N
2.4AI18CV410	JYOTI SHEKAR MOGER
3.4AI18CV430	YUVARAJ K
4.4AI17CV072	RISHAB P KANKARIYA

Under The Gudidance Of

Name : Mrs.Kavya B.R

Designation :Assistant Proffesor

Signature With Date :

Kavya B.R.
28/10/20.

JLO
23.10.2020
Signature of the H.O.D

B - Section

ANALYSIS AND DESIGN OF G+2 COMMERCIAL BUILDING USING ETABS

BATCH NUMBER: 10

Submitted by,

1. PREETHI D J - [4AI17CV064]
2. SAI KUMAR CH - [4AI17CV079]
3. C NETHRA - [4AI18CV405]
4. SUJAY K G - [4AI17CV096]

Under the Guidance of

Mr. CHETHAN V.R

Assistant professor

Signature with date:

Chethan 24/10/2020

gso
24.10.2020
Signature of the H.O.D

**“ANALYSIS AND DESIGN OF HOTEL BUILDING
USING ETABS (G+3)”**

Batch Number:11

Submitted by,

1. 4AI17CV080 SAMHITA N M
2. 4AI17CV066 PRIYANKA V KOTRALLI
3. 4AI17CV062 PRAJWAL C H
4. 4AI17CV111 YASHAWANTH K T

Under the Guidance of

Name: Mr. ABHILASH D T

Designation: Assistant Professor

Department of Civil Engineering

AIT, Chikkamagalur

Signature with date:

Abhilash
24/10/2020

[Signature]
24.10.2020
Signature of the H.O.D

Signature of the H.O.D.

ANALYSIS AND DESIGN OF CONVENTIONAL INDUSTRIAL ROOF TRUSS

Batch Number: 12

Submitted by,

1. 4AI18CV409 - Indu G.P
2. 4AI17CV069 - Rahul C.R
3. 4AI17CV065 - Preethi Sagar.H
4. 4AI17CV104 - Theju Murthy.T

Under the Guidance of

Name: Mr.GOUTHAM D.R

Designation: ASSISTANT PROFESSOR

DEPARTMENT OF CIVIL ENGINEERING

Signature with date:


24/10/2020


24.10.2020
Signature of H.O.D

“ANALYSIS AND DESIGN OF G+3 RESIDENTIAL BUILDING USING STAAD.PRO SOFTWARE”

Batch Number: 13


Submitted by,


1. 4AI17CV056 Nishanth D Gowda
2. 4AI17CV093 Sparsha K
3. 4AI18CV408 H Sunitha
4. 4AI18CV414 Maruthi T H

Under The Guidance Of:

Name: Mr. SUYOG .H

Designation: Assistant Professor

Signature with date: 
24/10/20


24.10.2020
Signature of the H O D

**“STUDY ON MOISTURE SUSCEPTIBILITY OF HALF
WARM BITUMINOUS MIXTURE WITH DIFFERENT
FILLERS AND PATCHING OF POTHOLES”**

Batch No.: 14 (7th Sem, B Section)

Submitted by,

1. 4AI17CV083 - SANTHOSHKUMAR S R
2. 4AI18CV421 - SANDEEP M
3. 4AI17CV082 - SANJAY T C
4. 4AI17CV061 - PAVITRA T R


Under the Guidance of,


Mr. ABHINAG

Assistant Professor,

Department of Civil Engineering

AIT, Chikkamagaluru

 27.10.20
Signature with date:


Signature of H.O.D. 27.10.2020

ANALYSIS AND DESIGN OF A OVER HEAD RECTANGULAR WATER TANK USING STAAD PRO.

Batch Number :15

Submitted by,

1. Pruthvi Raj A N (4AI17CV067)
2. Usha Lokesh Naik (4AI18CV427)
3. Yashwanth S (4AI17CV113)
4. Shivayya V Naregallamath (4AI17CV088)

Under the Guidance of

Name : Mrs Dhanalakshmi C K

Designation : Assistant Professor

Signature with date : *Dhanalakshmi C.K* 23/10/2020

[Signature]
23.10.2020
Signature of HOD

TITLE OF THE PROJECT
**"ANALYSIS AND DESIGN OF RESIDENTIAL
BUILDING (G+3)"**

BATCH NUMBER: 16

Submitted by,

NAME USN:

1. SAHANA N M (4AI17CV077)
2. NAGARATMA (4AI18CV415)
3. ARJUN B M (4AI1718CV403)
4. NIKHIL N C (4AI17CV055)

Under the Guidance of

Name: Ms. Seema B.S. B.E, M.Tech

Designation: ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING
AIT, CHIKKAMAGALUR

Signature with date: *Seema B.S.* 23/10/20

210
23-10-2020
Signature of the H.O.D

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU
DEPARTMENT OF CIVIL ENGINEERING
BATCH LIST – 2021 (FINAL YEAR INTERNSHIP AND PROJECT WORK)

A-SECTION

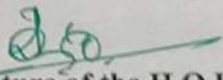
SL.N O.	USN	NAME	Title	GUIDE NAME
1.	4AI18CV047	HARSHITHA B L	"Analysis and design of swimming pool"	Dr.M.Rame Gowda
2.	4AI18CV046	HARSHA H R		
3.	4AI19CV407	KEERTHIK P SWAMY		
4.	4AI18CV056	KISHORE T J		
5.	4AI18CV021	BHOOMIKA A N	"Experimental study on engineering cementations composites by using artificial fibre"	Mr.Shekhar H.G.
6.	4AI17CV118	PAVAN C R		
7.	4AI18CV051	HEMANTH M P		
8.	4AI16CV086	SAAD ASADULLAH KHAN		
9.	4AI18CV036	DEEPIKA C	"Applications of Steel slag in geo technical engineering"	Dr.B.M.Kiran
10.	4AI18CV054	K P NAVEEN GOWDA		
11.	4AI17CV112	YASHODHARA. H M		
12.	4AI18CV049	HEMANTH H K		
13.	4AI18CV037	DHARSHAN J S	"Determination of luxurious strength of concrete using carbon dioxide curing of concrete"	Dr.Vijaya Kumar Y.M.
14.	4AI17CV005	ANUSHA P PRABHU		
15.	4AI18CV029	CHIDANAND U		
16.	4AI18CV053	JYOTHI A R		
17.	4AI18CV057	KOTRESH S B	"Strength announcement of cement mortar with multivolved carbon nanotubes and Nano Aluminium oxide"	Mr.Yogananda
18.	4AI18CV055	KARTHIK T D		
19.	4AI18CV009	AMITH V		
20.	4AI18CV023	CHALUKYA K T		
21.	4AI18CV043	GAGANASHREE K IDARAMANI	"Food waste management by household composting"	Mrs.Shruthi C.G.
22.	4AI18CV017	BENAK S A		
23.	4AI18CV042	GAGAN H V		
24.	4AI18CV006	AKASH K G		
25.	4AI16CV003	AMULYA M	"Analysis and design of multistory building using etabs"	Mr.Sanjith J.
26.	4AI19CV404	KARTHIK B J		
27.	4AI17CV002	AFNAN ZAID PASHA		
28.	4AI18CV011	ARAVIND S		
29.	4AI18CV018	BHARATH KUMAR B S	"Analysis and design of residential building using e-tabs"	Mr.Kavan M.R.
30.	4AI18CV010	ANANYA A J		
31.	4AI17CV100	SWAROOPA B B		
32.	4AI18CV026	CHANDANA B S		
33.	4AI18CV027	CHEZHAN RACHAPPA KESARABHAVI	"Experimental study on GGBS slag as a partial replacement to fine aggregate"	Mr.Naveen Kumar S.M.
34.	4AI18CV031	CHIRAG K P		
35.	4AI18CV019	BHARATH S M		
36.	4AI18CV001	ADRUSHYA K M		
37.	4AI18CV041	G K PRAJWAL URS	"Analysis and design of apartment using ETAB"	Mr.Chethan V.R.
38.	4AI19CV402	CHEZHAN NAAG VEER C		
39.	4AI18CV045	H D ROHITH		
40.	4AI18CV003	AISHWARYA B N		
41.	4AI18CV032	DARSHAN S M	"Building with earth and experimental study on stabilization of Rammed Earth blocks"	Mr.Ranjith P.
42.	4AI18CV038	DHEMANTH G		
43.	4AI18CV039	DILEEP B K		

45.	4AI18CV024	CHANDAN H M	"Estimation and costing of residential building"	Mrs.Kavya B.R.
46.	4AI18CV034	DASHARATHA K M		
47.	4AI18CV033	DARSHITHA T R		
48.	4AI17CV044	MOHAMMED JUNAID		
49.	4AI18CV007	AKSHATHA M K	"Experimental study on laterite soil as a partial replacement to find aggregate"	Mr.Abhilash D.T.
50.	4AI18CV048	HEMANTH B M		
51.	4AI18CV008	ALFAZ A		
52.	4AI19CV408	MANOJ KUMAR V		
53.	4AI18CV015	ASHITH N R	"Effect of coil fibre and Bagasse Ash in the behaviour of expensive soil"	Mr.Goutham D.R.
54.	4AI19CV400	A ERAMMA		
55.	4AI18CV044	GAYAZ MUSHAHID KHAN		
56.	4AI18CV050	HEMANTH KUMAR P R		
57.	4AI18CV020	BHAVANA H V	"Stress strain behaviour of expensive soil stabilized with core fibre and Bagasse Ash"	Mr.Suyog H.
58.	4AI19CV405	KARTHIK K		
59.	4AI17CV048	MOHITH N RAJ		
60.	4AI18CV058	LOHITH U R		
61.	4AI18CV040	FIDA AROOJ	"study on effect of Steel slag as aggregates and waste materials as pillars on cold mix Asphalt for partholes and their reliability analysis"	Mr.Abhinag
62.	4AI18CV025	CHANDANA B H		
63.	4AI18CV030	CHINMAYA S KUMAR		
64.	4AI18CV406	CHANDAN H K		
65.	4AI17CV059	P V MEGHARAJ		

Signature of the Coordinators

1. Mr.Abhilash D.T.

2. Mr.Goutham D.R.


Signature of the H.O.D.
Dr. M. RAME GOWDA
 B.E.,M.Tech.(IIT-B),Ph.D.(NITK)
 Professor and Head
 Department of Civil Engineering
 Adichunchanagiri Institute of Technology
 CHIKKAMAGALURU-577102

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU
DEPARTMENT OF CIVIL ENGINEERING
BATCH LIST – 2021 (FINAL YEAR INTERNSHIP AND PROJECT WORK)

B-SECTION

SL.NO.	USN	NAME	Title	GUIDE NAME
1.	4AI18CV120	YASHWANTH K	“Analysis and design of elevated water tank”	Dr.M.Rame Gowda
2.	4AI18CV096	SARTHAK C R		
3.	4AI18CV068	NISHWANTH I N		
4.	4AI18CV113	VIJETHA K		
5.	4AI18CV075	PRATHEEK H B	“Experimental study on fibre reinforced mortar”	Mr.Shekhar H.G.
6.	4AI18CV102	SHIVALINGAYYA M HIREMATH		
7.	4AI19CV406	KAVERI		
8.	4AI18CV085	SAGAR M N		
9.	4AI18CV062	MOHAMMED MUSTAFA	“Residential green Building design and its structural analysis by ETABS”	Dr.B.M.Kiran
10.	4AI19CV414	SAVITHA K M		
11.	4AI18CV077	PREETHAM H M		
12.	4AI18CV119	YASHWANTH C		
13.	4AI18CV091	SANJAY B N	“Curing of cement mortar cube using carbon dioxide”	Dr.Vijaya Kumar Y.M.
14.	4AI18CV073	PRAJWAL S R		
15.	4AI18CV082	RUCHITHA G S		
16.	4AI18CV066	NANDAN G Y		
17.	4AI18CV114	VINAY B M	Properties of engineered cementitious composites in addition of sisal fiber and polyethylene fibre “	Mr.Yogananda
18.	4AI18CV115	VINAY B R		
19.	4AI18CV116	VINDYA B J		
20.	4AI18CV083	SACHIN K		
21.	4AI18CV087	SAHANA M	“Waste water treatment using natural fibres as submerged aerated beds”	Mrs.Shruthi C.G.
22.	4AI18CV067	NIRANJAN A M		
23.	4AI18CV092	SANJAY E		
24.	4AI18CV111	VARUN D ARYA		
25.	4AI18CV121	SOHAIL SARDAR KHAN	“Unconfined compressive strength of black cotton soil treated with nano material”	Mr.Sanjith J.
26.	4AI18CV093	SANJAY E		
27.	4AI18CV074	PRAMODH B R		
28.	4AI18CV070	POOJA N		
29.	4AI18CV059	MALLIKARJUN BEEDANAL	“Analysis and design of commercial building(G+2) using E-TABS”	Mr.Kavan M.R.
30.	4AI18CV072	PRAJWAL H R		
31.	4AI19CV415	SHARATHA KUMAR A S		
32.	4AI18CV109	SUSHMA M		
33.	4AI18CV078	PREETHAM KRISHNA T R	“Analytical study on creep and shrinkage of high strength self compacting concrete and high strength concrete”	Mr.Naveen Kumar S.M.
34.	4AI18CV104	SPOORTHI K Y		
35.	4AI19CV419	VINAY C B		
36.	4AI18CV081	RANGANATH C U		
37.	4AI18CV097	SEEMA N N	“Analysis and design of multistory commercial building using ETABS”	Mr.Chethan V.R.
38.	4AI18CV095	SANJAY T N		
39.	4AI19CV418	SUPRIYA K		
40.	4AI19CV417	SHASHIKUMAR K R		
41.	4AI18CV098	SHANMUKH NEGALUR	“Pervious plastic kerbs from construction and demolition waste to enhance the runoff water directly to drainage in highways”	Mr.Bhavani Prasad G.
42.	4AI18CV061	MEGHA K N		
43.	4AI18CV076	PREEMTHAM GOWDA B T		
44.	4AI18CV123	AKSHAY H K		

45.	4AI18CV110	THILAK PRASAD B M	Analysis and design of (G+3) residential Building using Staad Pro"	Mrs.Kavya B.R.
46.	4AI18CV107	SUMANTH B J		
47.	4AI18CV106	SUJITH P		
48.	4AI19CV411	POOJA N	"Development of concrete using laterite soil as a partial replacement of coarse aggregate"	Mr.Abhilash D.T.
49.	4AI18CV071	PRAJWAL C R		
50.	4AI18CV089	SAMARTH S		
51.	4AI19CV413	RAJESH I M	"Volumetric shrinkage behavior of black cotton soil stabilized with coir fibre and bagasse ash"	Mr.Goutham D.R.
52.	4AI18CV118	VISHNU TEJA MODALA		
53.	4AI18CV105	SUBHASH H M		
54.	4AI18CV122	RUGWANTH GOWDA M	"Experimental investigation on black cotton soil stabilized with coir fibre and bagasse ash subjected to alternate wetting and drying condition"	Mr.Suyog H.
55.	4AI18CV117	VINUSHA C		
56.	4AI19CV416	SHASHANK R		
57.	4AI18CV090	SANDHYA S S	"Study on stabilization of expansive soil using areca fiber with waste materials for subgrades and their reliability analysis"	Mr.Abhinag
58.	4AI18CV079	PREMKUMARNAIK A		
59.	4AI19CV401	AKHIL JOSEPH		
60.	4AI18CV101	SHASHWATH G S	"Study of partial replacement of ordinary Portland cement by silica fume and steel fibers"	Mrs.Dhanalakshmi C.K.
61.	4AI18CV103	SNEHA B G		
62.	4AI18CV108	SUNIL		
63.	4AI18CV063	MOHAN KUMAR B R	"Study of partial replacement of ordinary Portland cement by silica fume and steel fibers"	Mrs.Dhanalakshmi C.K.
64.	4AI19CV412	RAJESH A		
65.	4AI19CV409	MEGHANA T R		
66.	4AI18CV064	MOHSIN ALI	"Study of partial replacement of ordinary Portland cement by silica fume and steel fibers"	Mrs.Dhanalakshmi C.K.
67.	4AI18CV060	MANOJ M P		
68.	4AI18CV088	SAI DHANUSH A R		
69.	4AI19CV410	MOHAMMED JUNAID		

Signature of the Coordinators

1. Mr.Abhilash D.T.

2. Mr.Goutham D.R.

Signature of the H.O.D.

Dr. M. RAME GOWDA

B.E.,M.Tech,(IIT-B),Ph.D.(NITK)

Professor and Head

Department of Civil Engineering

Adichunchanagiri Institute of Technology

CHIKKAMAGALURU-577102

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU
DEPARTMENT OF CIVIL ENGINEERING
BATCH LIST – 2021 (PROJECT WORK - Parallel Batch Students)

A-SECTION

SL.NO.	USN	NAME	TITLE	GUIDE NAME
1.	4AI15CV081	SAHADEV B P	"Experimental study on concrete by using plastic waste"	Mrs.Seema B.S.
2.	4AI15CV035	JITHENDRA DAS G A		
3.	4AI16CV125	YASHWANTH A S		
4.	4AI16CV046	MANOJ A M		
5.	4AI17CV024	GIRISH U K	"Analysis and design of multi story building using E-Tabs"	Mr.Ranjith P.
6.	4AI17CV071	RAJATH D R		
7.	4AI17CV015	DARSHAN KUMAR J		
8.	4AI17CV060	PARIKSHITH H R		
9.	4AI17CV106	VARUN B S	"Signal optimization for Chikmagalur city using VISSIM software"	Mr.Bhavani Prasad G.
10.	4AI18CV426	TEJAS U		
11.	4AI17CV117	ANOOP K N		

Signature of the Coordinators

1. Mr.Abhilash D.T.

2. Mr.Goutham D.R.

Signature of the H.O.D.

Dr. M. RAME GOWDA
 B.E.,M.Tech,(IIT-B),Ph.D.(NITK)
 Professor and Head
 Department of Civil Engineering
 Adichunchanagiri Institute of Technology
 CHIKKAMAGALURU-577102

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

CHIKKAMAGALURU – 577102

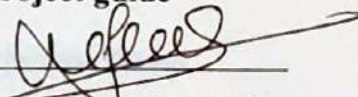
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the project work entitled “**EXPERIMENTAL STUDY ON ENGINEERED CEMENTITIOUS COMPOSITES BY USING RECRON FIBERS**” is a bonafide work carried out by, BHOOMIKA A N (4AI18CV021), PAVAN C R (4AI17CV118), HEMANTH M P (4AI18CV051), SAAD ASADULLAH KHAN (4AI16CV086) for the degree of **BACHELOR OF ENGINEERING IN CIVIL ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2021-22. This project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the **BACHELOR OF ENGINEERING** degree.

Project guide

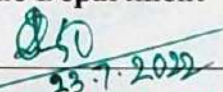


MR. SHERHAR H G

Associate professor,

Dept. of civil engineering

Head of the Department


23.7.2022

Dr. M RAME GOWDA

Professor and H.O.D

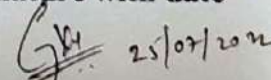
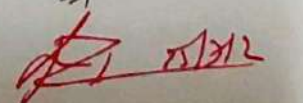
Dept. of civil engineering

Name of the examiners

1. Gourtham D.R.

2. Dil-Kiran.B.R.

Signature with date

 25/07/2022


ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

CHIKKMAGALURU-577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "INVESTIGATION ON MECHANICAL PROPERTIES OF CEMENT MORTAR WITH NANO ALUMINIUM OXIDE AS AN ADDITIVE" is bonafide work carried out by JYOTHI A R (4AI18CV055), KOTRESH S B (4AI18CV057), KARTHIK T D (4AI18CV055), AMITH V (4AI18CV009) in partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the guide
Mr. YOGANANDA
Assistant professor.
Dept of civil engineering
AIT, Chikkamagaluru

Signature of the HOD
Prof. Dr. M Ramegowda M.Tech Ph.D
Dept of civil engineering
AIT, Chikkamagaluru

Signature of the Principal
Dr. C.P. JAYADEVA

Name of the Examiners:

1. ...*G. V. R. D. R.*...
2. ...*Dr. K. R. S. R.*...

Signature with Date

1.
 2.
-

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

CHIKKAMAGALURU-577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "EXPERIMENTAL INVESTIGATION ON BLACK COTTON SOIL STABILIZED WITH COIR FIBRE AND BAGASSE ASH SUBJECTED TO ALTERNATE WETTING AND DRYING CONDITION" is bonafide work carried out by SANDHYA S S (4AI18CV090), PREMKUMARNAIK A (4AI18CV079), AKHIL JOSEPH (4AI19CV401), SHASHWATH G S (4AI18CV101) in partial fulfilment for the award of the degree of **Bachelor of Engineering in Civil Engineering** of **Visveswaraiah Technological University, Belagavi**, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

[Handwritten Signature]
28/7/22

Signature of the guide
Mr. SUYOG H
Assistant professor

[Handwritten Signature]
28/7/22

Signature of the HOD
Dr. M RAMEGOWDA B.E.M.Tech Ph.D.
Professor and HOD

[Handwritten Signature]
Signature of the Principal
Dr. C. T. JAYADEVA

Name of the Examiners:

1. *Abhishek D.T*
2. *Dr. Vijaya Kumar*

Signature with Date:

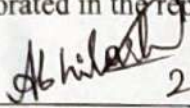
1. *[Handwritten Signature]* 28/7/22
2. *[Handwritten Signature]* 28/7/22

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

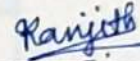
Certified that the **INTERNSHIP (17CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **DARSHANKUMAR J (4AI17CV015) GIRISH U K (4AI17CV024) PARIKSHITH H R (4AI17CV060) RAJATH D R (4AI17CV071)** is a Bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial Fulfilment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


25/7/22

Signature of Coordinator

Mr. Abhilash D T

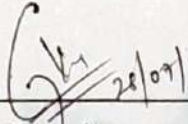
Assistant Professor



Signature of Guide

Mr. RANJITH P

Assistant Professor


28/07/2022

Signature of Coordinator

Mr. Goutham D R

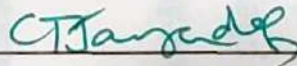
Assistant Professor



Signature of HoD

Dr. M Rame Gowda

Professor and Head



Signature of Principal

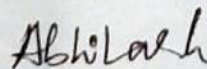
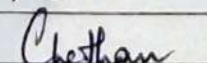
Dr. C T Jayadeva

Principal

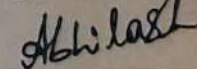
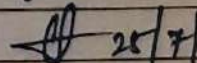
A.I.T.Chikkamagaluru

External Examiners

Name of the Examiners

1.  D.T
2.  V.R

Signature with Date

 25/7/22
 25/7/22

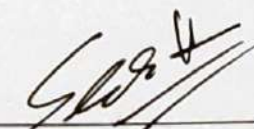
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)
CHIKKAMAGALURU-577102

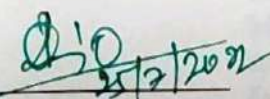
DEPARTMENT OF CIVIL ENGINEERING

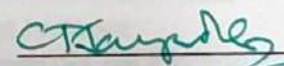


CERTIFICATE

This is to certify that the project work entitled "**STRESS STRAIN BEHAVIOUR OF EXPANSIVE SOIL STABILIZED WITH BAGASSE ASH AND COIR FIBRE**" is carried out by **BHAVANA H V (4AI18CV020)**, **KARTHIK K(4AI19CV405)**, **LOHITH U R (4AI18CV058)**, **MOHITH N RAJ (4AI17CV048)** bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY** in partial fulfilment for the award of the degree of **Bachelor of Engineering in CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi**, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Mr. SUYOG H B.E.M.Tech
Assistant professor
Dept of Civil Engineering


Dr. M RAMEGOWDA B.E.M.Tech Ph.D.
Professor and Head
Dept of Civil Engineering

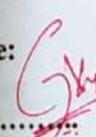
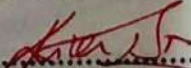

Dr. C. T. JAYADEVA
Principal
AIT, Chikkamagalur

EXTERNAL VIVA

Name of the Examiners:

1. Goutham D.R.
2. Dr. K. S. R. R.

Signature with Date:

1. 
2. 

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



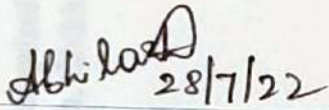
CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SOHAIL SARDAR KHAN (4AI18CV121), PRAMODH B R (4AI18CV074), POOJA N (4AI18CV070), SANJAY E (4AI18CV093)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

 28/7/22

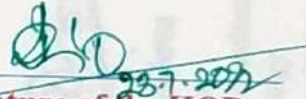
Signature of the Internal Guide

Mr. SANJITH J B.E, M.Tech.,
Assistant Professor
Dept. of Civil Engineering

 28/7/22

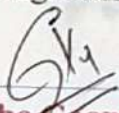
Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

 28/7/22

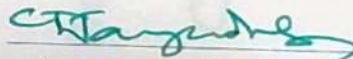
Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering



Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering



Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D
Principal
AIT, Chikkamagaluru


External Viva

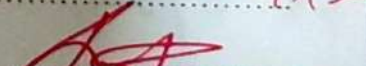
Name of the Examiners

1. Shruthi. C.G.

2. Dr. Kiran B.M.

Signature with Date

1.  28/7/22

2. 

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **Seema N N (4AI18CV097)**, **Sanjay T N (4AI18CV095)**, **Supriya K (4AI19CV418)**, **Shashikumar K R (4AI19CV417)** are bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY,**

CHIKMAGALURU, in partial fulfillment for the award of degree of Bachelor of Engineering in **Civil Engineering**, in **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash D T
28/6/22

Signature of Coordinator
Mr. Abhilash D T
Assistant Professor

Chethan V R

Signature of Guide
Mr. Chethan V R
Assistant Professor

Goutham D R
28/06/2022

Signature of Coordinator
Mr. Goutham D R
Assistant Professor

M Rame Gowda
28.06.2022

Signature of HOD
Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru

Dr. C T Jayadeva

Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **AISHWARYA B N (4AI18CV003), DARSHAN S M (4AI18CV032), DHEMANTH G (4AI18CV038), DILEEP B K (4AI18CV039)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year 2021- 2022. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Ranjith
27/7/2022

Signature of the Guide

Mr. RANJITH P B.E, M.Tech.

Assistant Professor
Dept. of Civil Engineering

Abhilash
27/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.

Assistant Professor
Dept. of Civil Engineering

M. Rame Gowda
27-7-2022

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D

Professor and Head
Dept. of Civil Engineering

Goutham D.R

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.

Assistant Professor
Dept. of Civil Engineering

C.T. Jayadeva

Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D

Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1. *yogamanda*
2. *Sajith J.*

Signature with Date

1. *Yogamanda* 28/7/22
2. *Sajith J.* 28/7/22

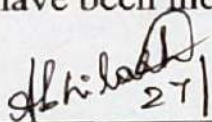
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)




DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

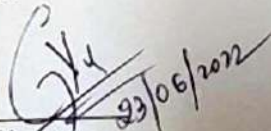
Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SHANMUKH NEGALUR (4AI18CV098), MEGHA K N (4AI18CV061), PREETHAM GOWDA B T(4AI18CV076), AKSHAY H K (4AI18CV123)** is a bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in **Civil Engineering**, in **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


27/6/22


Signature of Coordinator
Mr. Abhilash D T
Assistant Professor


23/06/2022

Signature of Guide
Mr. Bhavani Prasad G
Assistant Professor


23/06/2022

Signature of Coordinator
Mr. Goutham D R
Assistant Professor


27.06.2022

Signature of HOD
Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru



Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102**

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the **INTERNSHIP (18CV185)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **YASHWANTH K(4AI18CV120), SARTHAK C R(4AI18CV096), NISHWANTH I N (4AI18CV068), VIJETHA K (4AI18CV113)** is a bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in **Civil Engineering**, in **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash
24/6/22

Signature of Coordinator
Mr. Abhilash D T
Assistant Professor

[Signature]
24.6.2022

Signature of Guide
Dr. M Rame Gowda
Professor and Head

[Signature]
22/06/2022

Signature of Coordinator
Mr. Goutham D R
Assistant Professor

[Signature]
24.6.2022

Signature of HOD
Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru

[Signature]

Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

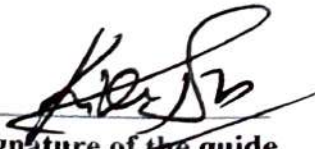
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU-577102


2021-2022




CERTIFICATE

Certified that the project work entitled **“RESIDENTIAL GREEN BUILDING DESIGN IT'S STRUCTURAL ANALYSIS BY ETABS ”** carried out by **MOHAMMED MUSTAFA (4AI18CV062), PREETHAM H M (4AI18CV077), SAVITHA K M (4AI19CV414), and YASHWANTH C (4AI18CV119)** bonafied students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU** in partial fulfilment for the award of the degree of **Bachelor of Engineering in CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi**, during the year **2021-22**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Signature of the guide
Dr. KIRAN B M
Associate Professor
Dept. of Civil Engineering


Signature of the HOD
Dr. M RAME GOWDA
Professor and Head
Dept. of Civil Engineering




Dr. C. T. JAYADEVA
Principal
Signature of the Principal
Dr. C. T. JAYADEV
Principal
AIT, Chikkamagalure

External Viva

Name of the Examiners:

1. **Goutham D.R.**
2. **Dr. Kiran B M**

Signature with Date:

1. 
2. 

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

CHIKKMAGALURU-577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "FOOD WASTE MANAGEMENT BY HOUSEHOLD COMPOSTING" is bonafide work carried out by **CHALUKYA K T (4AI18CV023), GAGANASHREE K IDARAMANI (4AI18CV043), BENAK S A (4AI18CV017), and GAGAN H V (4AI18CV042)** in partial fulfilment for the award of the degree of **Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi**, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

SHRUTHI
23/7/22

Signature of the guide
Mrs SHRUTHI C G B.E M.Tech
Assistant professor.

M Ramegowda
22.7.2022

Signature of the HOD
Prof. Dr. M Ramegowda M.Tech Ph.D
Dept of civil engineering
AIT, Chikkamagaluru

C.T. Jayadeva
Signature of the Principal
Dr. C.T. JAYADEVA

Name of the Examiners:

1. *Goutam D.R.*
2. *D.R. Krishna S*

Signature with Date: *24-15-08/2022*

1.
2.

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Affiliated to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the Project work entitled "STUDY ON EFFECT OF STEEL SLAG AS AGGREGATES AND WASTE MATERIALS AS FILLERS ON COLD MIX ASPHALT FOR POTHoles AND THEIR RELIABILITY ANALYSIS" is a bonafied work carried out by FIDA AROOJ (4AI18CV040), CHANDANA B H (4AI18CV025), CHINMAYA S KUMAR (4AI18CV030), CHANDAN H K (4AI18CV406), P V MEGHIRAJ (4AI17CV059) for the degree of **BACHELOR IN CIVIL ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2021-2022. This project has been approved as it satisfies the academic requirement in report of project work prescribed for the **BACHELOR OF ENGINEERING** degree.

PROJECT GUIDE



Mr. ABHINAG

Assistant Professor.

Department of Civil Engineering

A.I.T, Chikmagalur



Dr. M. RAME GOWDA

Professor and Head

Department of Civil Engineering



Dr. C. T. JAYADEVA

Principal

A.I.T, Chikmagalur

Name of the Examiners

1. Goutham D.R.

2. Dr. Kiran B N

Signature with date



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKMAGALURU-577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "INVESTIGATION ON MECHANICAL PROPERTIES OF CEMENT MORTAR WITH NANO ALUMINIUM OXIDE AS AN ADDITIVE" is bonafide work carried out by JYOTHI A R (4AI18CV055), KOTRESH S B (4AI18CV057), KARTHIK T D (4AI18CV055), AMITH V (4AI18CV009) in partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the guide
Mr. YOGANANDA
Assistant professor.
Dept of civil engineering
AIT, Chikkamagaluru

Signature of the HOD
Prof. Dr. M Ramegowda M.Tech Ph.D
Dept of civil engineering
AIT, Chikkamagaluru

Signature of the Principal
Dr. C.T JAYADEVA

Name of the Examiners:

- 1.
- 2.

Signature with Date:

- 1.
- 2.

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled **"ANALYSIS AND DESIGN OF ELEVATED WATER TANK "** carried out by **YASHWANTH K (4AI18CV120)**, **SARTHAK C R (4AI18CV096)**, **NISHWANTH I N (4AI18CV068)**, and **VIJETHA K (4AI18CV113)** bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi** during the year **2021-2022**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

21.07.2022

Signature of the Guide

Dr.M. Rame Gowda
Professor and Head
Dept. of Civil Engineering

21.07.2022

Signature of the HOD

Dr. M.Rame Gowda
Professor and Head
Dept. of Civil Engineering

Signature of the Principal

Dr. C.T.Jayadeva
Principal
AIT,Chikkamagaluru

External Viva

Name of the Examiners

1 Goutham D.R.

2 Dr. Kiran R.M.

Signature with Date

1 GJK

2 KRM

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled "STUDY ON STABILIZATION OF EXPANSIVE SOIL USING ARECA FIBER WITH WASTE MATERIALS FOR SUBGRADE" carried out by SNEHA B G (4AI18CV103), SUNIL (4AI18CV108), MOHAN KUMAR B R (4AI18CV063), and RAJESH A (4AI19CV412) bonafide students of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru in Partial fulfilment for the award of the Degree of Bachelor of Engineering in CIVIL ENGINEERING of Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the Guide

Mr. Abhinag

Assistant Professor

Dept. of Civil Engineering

Signature of the HOD

Dr. M Rame Gowda

Professor and Head

Dept. of Civil Engineering

Signature of the Principal

Dr. C.T. Jayadeva

Principal

AIT, Chikkamagaluru

External Viva

Name of the Examiners

1. **Abhilash D.T**

2. **Dr. Vijaya Kumar**

Signature with Date

1. **Abhilash D.T** 28/7/22

2. **Dr. Vijaya Kumar** 28/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)
CHIKKAMAGALURU-577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "**STRESS STRAIN BEHAVIOUR OF EXPANSIVE SOIL STABILIZED WITH BAGASSE ASH AND COIR FIBRE**" is carried out by **BHAVANA H V (4AI18CV020)**, **KARTHIK K(4AI19CV405)**, **LOHITH U R (4AI18CV058)**, **MOHITH N RAJ (4AI17CV048)** bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY** in partial fulfilment for the award of the degree of **Bachelor of Engineering in CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi**, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Mr. SUYOG H B.E.M.Tech
Assistant professor
Dept of Civil Engineering

Dr. M RAMEGOWDA B.E.M.Tech Ph.D.
Professor and Head
Dept of Civil Engineering

Dr. C. T. JAYADEVA
Principal
AIT, Chikkamagalur

EXTERNAL VIVA

Name of the Examiners:

1. Goutham D.R.
2. D.A. K.M.A. B.M.

Signature with Date:

1. G.K.H.
2. [Signature]

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled “**STUDY ON PARTIAL REPLACEMENT OF ORDINARY PORTLAND CEMENT BY SILICA FUME AND STEEL FIBERS**” carried out by **MOHSIN ALI (4AI18CV064)**, **MOHAMMED JUNAID (4AI19CV410)**, **SAI DHANUSH A R (4AI18CV088)**, and **MANOJA M P (4AI18CV060)** **MEGHANA T R (4AI19CV409)** bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi** during the year **2021-2022**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Dhanalakshmi C.K.
25/7/22

Signature of the Guide
Mrs. DHANALAKSHMI C K
Assistant Professor
Dept. of Civil Engineering

Dr. M Rame Gowda
25.7.2022

Signature of the HOD
Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering

C.T. Jayadeva

Signature of the Principal
Dr. C.T. Jayadeva
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1 *Abhilash D.T*

2

Signature with Date

1 *Abhilash* 28/7/22

2

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Affiliated to


VISVESVARAYA TECHNOLOGICAL UNIVERSITY

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the project work entitled "EXPERIMENTAL INVESTIGATION ON EXPANSIVE SOIL STABILIZED BY USING COIR FIBRE" is a bonafide work carried out by SACHIN M.S. (4AI15CV079), SADIYA ANWER (4AI15CV080), SUPRITH M.R. (4AI15CV113), VENKATESH A. (4AI15CV118) for the degree of BACHELOR OF ENGINEERING IN CIVIL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. This project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the BACHELOR OF ENGINEERING degree.

PROJECT GUIDE


Mr. GOUTHAM D.R. B.E., M.Tech.,
Assistant Professor
Department of Civil Engineering
A.I.T, Chikkamagaluru

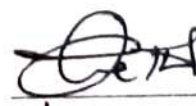
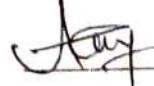

Dr. M. RAME GOWDA B.E., M.Tech., Ph.D
Professor and Head
Department of Civil Engineering


Dr. C.T. JAYADEVA B.E., M.Tech., Ph.D
Principal
A.I.T, Chikkamagaluru

Name of the Examiners

1. Chethan - G
2. Ashish Debay B

Signature with Date

 14/6/19
 14-06-19

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

CHIKKAMAGALURU – 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the project work entitled “**EXPERIMENTAL STUDY ON ENGINEERED CEMENTITIOUS COMPOSITES BY USING RECRON FIBERS**” is a bonafide work carried out by, **BHOOMIKA A N (4AI18CV021), PAVAN C R (4AI17CV118), HEMANTH M P (4AI18CV051), SAAD ASADULLAH KHAN (4AI16CV086)** for the degree of **BACHELOR OF ENGINEERING IN CIVIL ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year **2021-22**. This project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the **BACHELOR OF ENGINEERING** degree.

Project guide

MR. SHERHAR H G

Associate professor,

Dept. of civil engineering

Head of the Department

Dr. M RAME GOWDA

Professor and H.O.D

Dept. of civil engineering

Name of the examiners

1. Goutham D.R.

2. Dil-Kiran-B.R.

Signature with date

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

CHIKKMAGALURU-577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "INVESTIGATION ON MECHANICAL PROPERTIES OF CEMENT MORTAR WITH NANO ALUMINIUM OXIDE AS AN ADDITIVE" is bonafide work carried out by JYOTHI A R (4AI18CV055), KOTRESH S B (4AI18CV057), KARTHIK T D (4AI18CV055), AMITH V (4AI18CV009) in partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the guide
Mr. YOGANANDA
Assistant professor.
Dept of civil engineering
AIT, Chikkamagaluru

Signature of the HOD
Prof. Dr. M Ramegowda M.Tech Ph.D
Dept of civil engineering
AIT, Chikkamagaluru

Signature of the Principal
Dr. C.T JAYADEVA

Name of the Examiners:

- 1.
- 2.

Signature with Date:

- 1.
- 2.

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

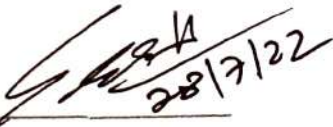
CHIKKAMAGALURU-577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "EXPERIMENTAL INVESTIGATION ON BLACK COTTON SOIL STABILIZED WITH COIR FIBRE AND BAGASSE ASH SUBJECTED TO ALTERNATE WETTING AND DRYING CONDITION" is bonafide work carried out by SANDHYA S S (4AI18CV090), PREMKUMARNAIK A (4AI18CV079), AKHIL JOSEPH (4AI19CV401), SHASHWATH G S (4AI18CV101) in partial fulfilment for the award of the degree of **Bachelor of Engineering in Civil Engineering of Visveswaraiah Technological University, Belagavi**, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


28/7/22

Signature of the guide
Mr. SUYOG H
Assistant professor




28.7.2022

Signature of the HOD
Dr. M RAMEGOWDA B.E.M.Tech Ph.D.
Professor and HOD


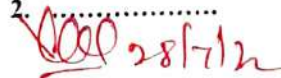


Signature of the Principal
Dr. C. T. JAYADEVA

Name of the Examiners:

1.  Dr. Vignaraj
2.  Dr. Vignaraj

Signature with Date:

1.  28/7/22
2.  28/7/22

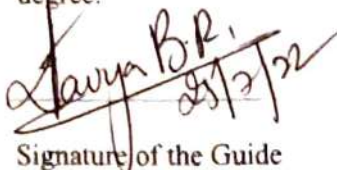
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)
CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING

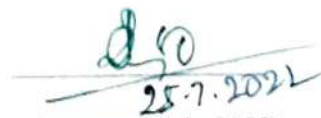


CERTIFICATE

Certified that the Project work entitled "ANALYSIS ESTIMATION AND COSTING OF RESIDENTIAL BUILDING(G+2)" carried out by CHANDAN H M(4AI18CV024), DARSHITHA T R (4AI18CV033), DASHARATHA K M (4AI18CV034), and MOHAMMED JUNAID (4AI17CV044) bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi** during the year **2021-2022**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Signature of the Guide

Mrs.KAVYA B R
Assistant Professor
Dept. of Civil Engineering


Signature of the HOD

Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering





Signature of the Principal
Dr. C.T. Jayadeva
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1 Goutham D.R.
2 Dr. Kiran B.M

Signature with Date

1 
2 

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY



Affiliated to
(Visvesvaraya Technological University)
DEPARTMENT OF CIVIL ENGINEERING


CERTIFICATE

Certified that the project work entitled "Analysis and design of multi-storeyed building using Staad-pro" is a bonafide work carried out by KAVYA SC (4AI12CV048), YASHASWINI MP (4AI13CV427), ABHILASH HP (4AI12CV002), DINESHA KS (4AI12CV031) for the degree of BACHELOR OF ENGINEERING IN CIVIL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2015-2016. This project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the BACHELOR OF ENGINEERING degree.

PROJECT GUIDE


Dr. M. RAMEGOWDA., BE., M.Tech. Ph.D

Professor And
Head Department of Civil Engineering
A.I.T, Chikkamagaluru



Dr. M. Rame Gowda., BE., M.Tech. Ph.D
Professor and
Head Department of Civil
Engineering


Dr. C. K. Subbaraya, Ph.D
Principal

Name of the Examiners

Signature with Date

1. Dr. Mr Rame Gowda
2. Dr. Vijaya Kumar


8.6.2016
08/06/2016


ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)
CHIKKAMAGALURU-577102

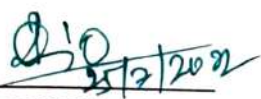
DEPARTMENT OF CIVIL ENGINEERING




CERTIFICATE

This is to certify that the project work entitled "**STRESS STRAIN BEHAVIOUR OF EXPANSIVE SOIL STABILIZED WITH BAGASSE ASH AND COIR FIBRE**" is carried out by **BHAVANA H V (4AI18CV020)**, **KARTHIK K(4AI19CV405)**, **LOHITH U R (4AI18CV058)**, **MOHITH N RAJ (4AI17CV048)** bonafide students of **ADHICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY** in partial fulfilment for the award of the degree of **Bachelor of Engineering in CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi**, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Mr. **SUYOG H** B.E.M.Tech
Assistant professor
Dept of Civil Engineering


Dr. **M RAMEGOWDA** B.E.M.Tech Ph.D.
Professor and Head
Dept of Civil Engineering




Dr. **C. T. JAYADEVA**
Principal
AIT, Chikkamagalur

EXTERNAL VIVA

Name of the Examiners:

1. Goutham D.R.
2. D.R. KISHAN R.M.

Signature with Date:

1. 
2. 

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)


CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled "**ANALYTICAL STUDY OF CREEP AND SHRINKAGE ON HIGH STRENGTH SELF COMPACTING CONCRETE AND HIGH STRENGTH CONCRETE**" carried out by **PREETHAM KRISHNA T R (4AI18CV078), SPOORTHI K Y (4AI18CV104), VINAY C V (4AI19CV419), RANGANATH C U (4AI18CV081)** and bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi** during the year **2021-2022**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

For,  27/7/2022

Signature of the Guide
Mr. Naveen Kumar S M
Assistant Professor
Dept. of Civil Engineering

 27.7.2022



Signature of the HOD
Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering



Signature of the Principal
Dr. C.T. Jayadeva
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1.  Goutham D.R.
2.  Dr. K. Ramesh B.M.

Signature with Date

1.  Goutham D.R.
2.  Dr. K. Ramesh B.M.

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

CHIKKMAGALURU-577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "BUILDING WITH EARTH- AN EXPERIMENTAL STUDY ON STABILIZATION OF RAMMED EARTH BLOCKS" is bonafide work carried out by AISHWARYA B N (4AI18CV003), DARSHAN S M (4AI18CV032), DHEMANTH G (4AI18CV038), and DILEEP B K (4AI18CV039) in partial fulfilment for the award of the degree of **Bachelor of Engineering in Civil Engineering** of **Visvesvaraya Technological University, Belagavi**, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Ranjith
25/7/2022

Signature of the guide
Mr RANJITH P B E M.tech
Assistant professor.

M Ramegowda
25.7.2022

Signature of the HOD
Dr. M Ramegowda ,BE, MTech, Ph. D
Professor and Head
Dept of Civil engineering
AIT, Chikkamagaluru

C.T Jayadeva
Signature of the Principal
C.T JAYADEVA BE, MTech, Ph. D
AIT, Chikkamagaluru

Name of the Examiners:

1. *Goutham D P*
2. *Dr. K. M. S. R. M.*

Signature with Date:

1. *[Signature]*
2. *[Signature]*

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)


CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING




CERTIFICATE

Certified that the Project work entitled "EXPERIMENTAL STUDY ON GGBS SLAG AS A PARTIAL REPLACEMENT TO FINE AGGREGATE" carried out by CHANDANA B S (4AI18CV026), CHETAN RACHAPPA KESARABHAVI (4AI18CV027), CHIRAG K P (4AI18CV031), and BHARATH S M (4AI18CV019) bonafide students of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru in Partial fulfilment for the award of the Degree of Bachelor of Engineering in CIVIL ENGINEERING of Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

For,  25/09/2022

Signature of the Guide
Naveen kumar S M
Assistant Professor
Dept. of Civil Engineering


25.7.2022

Signature of the HOD
Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering



Signature of the Principal
Dr. C.T. Jayadeva
Principal
AIT, Chikkamagaluru

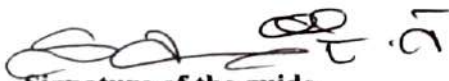
**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU-577102**

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "ANALYSIS AND DESIGN OF COMMERCIAL BUILDING (G+3) USING ETABS" is bonafide work carried out by AKASH K G (4AI18CV006), KARTHIK B J (4AI19CV404), AFNAN ZAID PASHA (4AI17CV002), and AMULYA M (4AI16CV003) in partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering of Visveswaraiah Technological University, Belagavi, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Signature of the guide

Mr. SANJITH J, B.E.M.Tech.



Signature of the HOD

Dr. M Ramegowda ,BE,M.Tech P.hD


Signature of the Principal

Dr. C.T.JAYADEVA

Name of the Examiners:

1. Goutham D. R.
2. Dr. K. R. B. R.

Signature with Date:

1. 
2. 

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled **“VOLUMETRIC SHRINKAGE BEHAVIOUR OF BLACK COTTON SOIL STABILIZED WITH COIR FIBRE AND BAGASSE ASH”** carried out by **SUBHASH H M (4AI18CV105), RUGWANTH GOWDA M (4AI18CV122), VINUSHA C (4AI18CV117), and SHASHANKA R (4AI19CV416)** bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi** during the year **2021-2022**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Mr. Goutham D R
Assistant Professor
Dept. of Civil Engineering

Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering

Dr. C T Jayadeva
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1. Abhilash D.T
2. Dr. Vijayakumar

Signature with Date

1. Abhilash 28/7/22
2. [Signature] 28/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled **"VOLUMETRIC SHRINKAGE BEHAVIOUR OF BLACK COTTON SOIL STABILIZED WITH COIR FIBRE AND BAGASSE ASH"** carried out by **SUBHASH H M (4AI18CV105)**, **RUGWANTH GOWDA M (4AI18CV122)**, **VINUSHA C (4AI18CV117)**, and **SHASHANKA R (4AI19CV416)** bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi** during the year **2021-2022**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Mr. Goutham D R
Assistant Professor
Dept. of Civil Engineering

Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering

Dr. C T Jayadeva
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1. Abhilash D.T
2. Dr. Vijayakumar T

Signature with Date

1. Abhilash D.T 28/7/22
2. Vijayakumar T 28/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

CHIKKAMAGALURU – 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the project work entitled "EXPERIMENTAL STUDY ON ENGINEERED CEMENTITIOUS COMPOSITES BY USING RECRON FIBERS" is a bonafide work carried out by, BHOOMIKA A N (4A118CV021), PAVAN C R (4A117CV118), HEMANTH M P (4A118CV051), SAAD ASADULLAH KHAN (4A116CV086) for the degree of BACHELOR OF ENGINEERING IN CIVIL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2021-22. This project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the BACHELOR OF ENGINEERING degree.

Project guide

Mr. SHEKHAR H G

Associate professor,

Dept. of civil engineering

Head of the Department

Dr. M RAME GOWDA

Professor and H.O.D

Dept. of civil engineering

Name of the examiners

1. Goutam D. R.

2. Dr. K. J. K. S. S. S.

Signature with date

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled **"EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF NATURAL AGGREGATE BY STEEL SLAG AGGREGATE"** carried out by YASHODHARA H M (4AI17CV112), DEEPIKA C (4AI18CV036), NAVEEN GOWDA K P (4AI18CV054), bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the Guide
Dr. B.M. Kiran
Associate Professor
Dept. of Civil Engineering

Signature of the HOD
Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering

Signature of the Principal
Dr. C.T. Jayadeva
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

- 1.
- 2.

Signature with Date

- 1.
- 2.

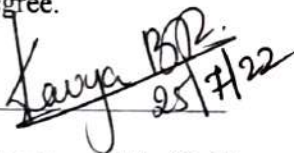
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)
CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled "ANALYSIS ESTIMATION AND COSTING OF RESIDENTIAL BUILDING(G+2)" carried out by CHANDAN H M(4AI18CV024), DARSHITHA T R (4AI18CV033), DASHARATHA K M (4AI18CV034), and MOHAMMED JUNAID (4AI17CV044) bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi** during the year **2021-2022**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


25/7/22

Signature of the Guide
Mrs.KAVYA B R
Assistant Professor
Dept. of Civil Engineering


25.7.2022

Signature of the HOD
Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering



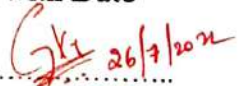

Signature of the Principal
Dr. C.T. Jayadeva
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1. Goutham D.R.
2. Dr. KIRAN B.R.

Signature with Date

1.  26/7/2022
2.  26/7/22

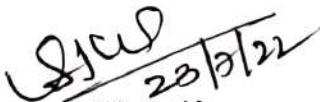
**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKMAGALURU-577102**

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "FOOD WASTE MANAGEMENT BY HOUSEHOLD COMPOSTING" is bonafide work carried out by **CHALUKYA K T (4AI18CV023), GAGANASHREE K IDARAMANI (4AI18CV043), BENAK S A (4AI18CV017), and GAGAN H V (4AI18CV042)** in partial fulfilment for the award of the degree of **Bachelor of Engineering in Civil Engineering** of **Visvesvaraya Technological University, Belagavi**, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


28/3/22

Signature of the guide
Mrs **SHRUTHI C G** B.E M.Tech
Assistant professor.


25.7.2022

Signature of the HOD
Prof. Dr. **M Ramegowda** M.Tech Ph.D
Dept of civil engineering
AIT, Chikkmagaluru

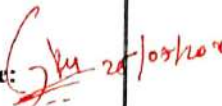

Signature of the Principal
Dr. C.T JAYADEVA

Name of the Examiners:

1.  D.R.
2. 

Signature with Date:

1. 
2. 


25/10/2022

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled **"ANALYSIS AND DESIGN OF APARTMENT BUILDING USING ETABS"** carried out by ADRUSHYA K M (4AI18CV001), G K PRAJWAL URS (4AI18CV041), H D ROHITH (4AI18CV045), and CHETHAN NAAGVEER C (4AI19CV402) bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in CIVIL ENGINEERING of Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the Guide
Chethan V R
Assistant Professor
Dept. of Civil Engineering

Signature of the HOD
Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering

Signature of the Principal
Dr. C.T. Jayadeva
Principal
AIT, Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

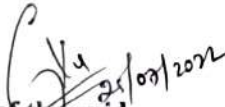
CHIKKMAGALURU-577102


DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “EFFECT OF COIR FIBRE AND BAGASSE ASH IN THE BEHAVIOUR OF EXPANSIVE SOIL” is bonafide work carried out by ASHITH N R (4AI18CV015), A ERAMMA (4AI19CV400), GAYAZ MUSHAHID KHAN (4AI18CV044), HEMANTH KUMAR P R (4AI18CV050) in partial fulfilment for the award of the degree of **Bachelor of Engineering in Civil Engineering** of **Visveswaraiah Technological University, Belagavi**, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Signature of the guide
MR. GOUTHAM D.R
Assistant professor


Signature of the HOD
Dr. M RAMEGOWDA B.E.M.Tech Ph.D
Professor and HOD


Signature of the Principal
Dr. C.T. JAYADEVA

Name of the Examiners:

1. Goutham D.R.
2. Dr. K. Ramesh

Signature with Date:

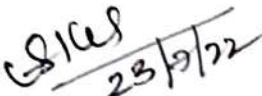
1. Gk
2. Dr. K. Ramesh

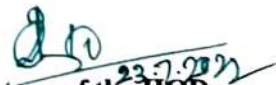
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKMAGALURU-577102
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "WASTEWATER TREATMENT USING NATURAL FIBRES AS SUBMERGED AERATED BEDS" is bonafide work carried out by NIRANJAN A M (4AI18CV067), SAHANA M (4AI18CV087), SANJAY E (4AI18CV092), VARUN D ARYA (4AI18CV111) in partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering of Visveswaraiah Technological University, Belagavi, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Signature of the guide
SHRUTHI C G
Assistant professor


Signature of the HOD
Dr. M Ramegowda B.E.M.Tech Ph.D.
Professor and HOD


Signature of the Principal
Dr. C.T.JAYADEVA

Name of the Examiners:

1. Goutham D.R.
2. Dr. K. R. B. M.

Signature with Date:

1.  23/7/2022
2. 

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)
CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled "**PROPERTIES OF ENGINEERED CEMENTITIOUS COMPOSITE IN ADDITION WITH SISAL AND POLYETHYLENE FIBERS**" carried out by **SACHIN K (4AI18CV083)**, **VINAY B M (4AI18CV114)**, **VINAY B R (4AI18CV115)**, and **VINDYA B J (4AI18CV116)** bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi** during the year **2021-2022**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the Guide
Mr. Yogananda
Assistant Professor
Dept. of Civil Engineering

Signature of the HOD
Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering

Signature of the Principal
Dr. C.T. Jayadeva
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

- 1 Goutham D.R.
- 2 Dr. KIRAN J. M.

Signature with Date

- 1 [Signature] 27/7/2022
- 2 [Signature]

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

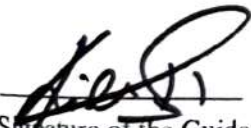
CHIKKAMAGALURU - 577102


DEPARTMENT OF CIVIL ENGINEERING




CERTIFICATE

Certified that the Project work entitled **"EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF NATURAL AGGREGATE BY STEEL SLAG AGGREGATE"** carried out by YASHODHARA H M (4AI17CV112), DEEPIKA C (4AI18CV036), NAVEEN GOWDA K P (4AI18CV054), bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Signature of the Guide
Dr. B M Kiran
Associate Professor
Dept. of Civil Engineering


Signature of the HOD
Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering


Signature of the Principal
Dr. C.T. Jayadeva
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1. 
2. 

Signature with Date

1.  25/07/2022
2.  25/07/2022

ADICHUNCHANAGIRI INSTITUTE OF ECHNOLOGY

CHIKKAMAGALURU-577102

2021-2022



CERTIFICATE

Certified that the project work entitled "**BEHAVIOUR OF BLACK COTTON SOIL TREATED WITH NANO-SILICA**" carried out by **SOHAIL SARDAR KHAN(4AI18CV121)**, **PRAMODH B R(4AI18CV074)**, **SANJAY E (4AI18CV093)**, and **POOJA N (4AI18CV070)** bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU** in partial fulfilment for the award of the degree of **Bachelor of Engineering in CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi**, during the year **2021-22**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the guide
Mr. SANJITH J
Assistant Professor
Dept. of Civil Engineering

27.7.2022

Signature of the HOD
Dr. M RAME GOWDA
Professor and Head
Dept. of Civil Engineering

Signature of the Principal
Dr. C.T JAYADEVA
Principal
AIT, Chikkamagalur

External Viva

Name of the Examiners:

1. Gautham D. P.
2. D. K. RAO. J. R.

Signature with Date:

1. Gk
27/7/2022
2. [Signature]

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)
CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled "**CURING OF CEMENT MORTAR CUBE USING CARBON DIOXIDE**" carried out by **SANJAY B N(4AI18CV091)**, **PRAJWAL S R (4AI18CV073)**, **RUCHITHA G S (4AI18CV082)** and **NANDAN G Y (4AI18CV066)** bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belagavi** during the year **2021-2022**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

 25/7/22

Signature of the Guide
Dr. VIJAYA KUMAR Y M
Associate Professor
Dept. of Civil Engineering



Signature of the HOD
Dr. M RAME GOWDA
Professor and Head
Dept. of Civil Engineering





Signature of the Principal
Dr. C.T. JAYADEVA
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1. Goutham D.R.
2. D.R. KIRAN R.M.

Signature with Date

1.  27/7/2022
2. 

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKMAGALURU-
577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "PERVIOUS CONCRETE KERBS FROM CONSTRUCTION AND DEMOLITION WASTE TO ENHANCE THE RUNOFF WATER DIRECTLY TO DRAINAGE IN HIGHWAYS" bonafide work carried out by SHANMUKH NEGALUR (4AI18CV098), MEGHA K N (4AI18CV061), PREETHAM GOWDA B T (4AI18CV076), AKSHAY H K (4AI18CV123) in partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering of Visveswaraiah Technological University, Belagavi, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


27/7/22

Signature of the guide

Mr. BHAVANI PRASAD G

Assistant Professor


27.7.2022

Signature of HOD

Dr.M RAME GOWDA

Professor and Head of department



Signature of the External guide

Mr. Vinod B R

Assistant Professor


27.7.2022

Signature of the Principal

Dr. C.T.JAYADEVA

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU-577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the project work entitled **"STABILIZATION OF BLACK COTTON SOIL USING COIR FIBRE"** is a bonafide work carried out by SUMANTH M R (4A111CV099), YASHASWINI S (4A111CV113), and VIJAYA KUMAR PRAKASH MALIYAVAR (4A111CV115) in partial fulfillment for the award of Bachelor of Engineering in civil Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2014 - 2015. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Shrithi S Badami
Signature of the Guide

Ms. SHRITHI S BADAMI B.E, M.Tech

M. Rame Gowda

Signature of the HOD

Prof. Dr. M. RAME GOWDA B.E, M.Tech P.hD

C.K. Subbaraya

Signature of the Principal
Dr. C.K. SUBBARAYA
PRINCIPAL

Adichunchanagiri Institute of Technology
CHIKKAMAGALURU - 577 102

Name of the Examiners:

1. *Shrithi S Badami*
2. *Umashankar*

Signature with Date:

Shrithi S Badami : 01/06/15
Umashankar : 01/06/15

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

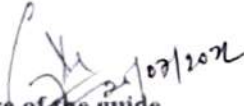
CHIKKMAGALURU-577102


DEPARTMENT OF CIVIL ENGINEERING




CERTIFICATE

This is to certify that the project work entitled "EFFECT OF COIR FIBRE AND BAGASSE ASH IN THE BEHAVIOUR OF EXPANSIVE SOIL" is bonafide work carried out by ASHITH N R (4AI18CV015), A ERAMMA (4AI19CV400), GAYAZ MUSHAHID KHAN (4AI18CV044), HEMANTH KUMAR P R (4AI18CV050) in partial fulfilment for the award of the degree of **Bachelor of Engineering in Civil Engineering** of **Visveswaraiah Technological University, Belagavi**, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Signature of the guide
MR. GOUTHAM D.R.
Assistant professor


Signature of the HOD
Dr. M RAMEGOWDA B.E.M.Tech Ph.D
Professor and HOD


Signature of the Principal
Dr. C.T.JAYADEVA

Name of the Examiners:

1. Goutham D.R.
2. Dr. Kiran B.M.

Signature with Date:

1. 
2. 

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKMAGALURU-
577102

DEPARTMENT OF CIVIL ENGINEERING

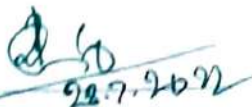


CERTIFICATE

This is to certify that the project work entitled "Signal Optimization for Chikkamagaluru City Using VISSIM Software" bonafide work carried out by VARUN B S (4AI17CV106), ANOOP K N (4AI17CV117), TEJAS U (4AI18CV426), in partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


28/7/22

Signature of the GUIDE
Mr. BHAVANI PRASAD G
Assistant Professor


28.7.2022

Signature of the HOD
Dr. M RAME GOWDA
B.E, MTech, PhD.
Professor and H.O.D





Signature of the PRINCIPAL
Dr. C. T. JAYADEVA
Principal, AIT

Name of the Examiners

1. Abhilash D.T
2. Dr. Vijayashankar

Signature with Date

 29/7/22
 29/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKMAGALURU-577102
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled **“STUDY ON PARTIAL REPLACEMENT OF ORDINARY PORTLAND CEMENT BY SILICA FUME AND STEEL FIBERS”** is bonafide work carried out by **JITHENDRA DAS G A (4AI15CV035), SAHADEV B P (4AI15CV081), MANOJ A M (4AI16CV046), and YASHWANTH A S (4AI16CV125)** in partial fulfilment for the award of the degree of **Bachelor of Engineering in Civil Engineering** of **Visveswaraiah Technological University, Belagavi**, during the year 2021-22. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Seema B S
28/07/22

Signature of the guide
SEEMA B S B.E M.Tech.

M Ramegowda
28.7.2022

Signature of the HOD
Prof. Dr. M Ramegowda M.Tech P.hD

C.T. Jayadeva
Signature of the Principal
Dr. C.T. JAYADEVA

Name of the Examiners:

1. *Abhilaash D T*
2. *Dr. Vijayalakshmi*

Signature with Date:

1. *Abhilaash D T* 29/7/22
2. *Vijayalakshmi* 29/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Project work entitled **"EXPERIMENTAL STUDY ON FIBRE REINFORCED MORTAR"** carried out by PRETHEEK H B (4AI18CV075), SAGAR M N (4AI18CV085), SHIVALINGAYYA (4AI18CV102), KAVERI A (4AI19CV406) bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, Chikkamagaluru** in Partial fulfilment for the award of the Degree of Bachelor of Engineering in **CIVIL ENGINEERING** of Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the Guide
Mr. H G Shekhar
Associate Professor
Dept. of Civil Engineering

Signature of the HOD
Dr. M Rame Gowda
Professor and Head
Dept. of Civil Engineering

Signature of the Principal
Dr. C.T. Jayadeva, Ph.D
Principal
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU

External Viva

Name of the Examiners

1 Goutham D.R.

2 Del-KIRAN-B-M

Signature with Date

1 [Signature] 27/7/2021

2 [Signature]

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



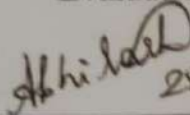
DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

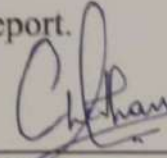
Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **Seema N N (4AI18CV097), Sanjay T N (4AI18CV095), Supriya K (4AI19CV418), Shashikumar K R (4AI19CV417)** are bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY,**

CHIKMAGALURU, in partial fulfillment for the award of degree of Bachelor of Engineering in **Civil Engineering,** in **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022.** It is certified that all the connections/ suggestions indicated during the Internal


Evaluation have been incorporated in the report.


28/6/22

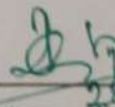
Signature of Coordinator
Mr. Abhilash D T
Assistant Professor



Signature of Guide
Mr. Chethan V R
Assistant Professor


23/06/2022

Signature of Coordinator
Mr. Goutham D R
Assistant Professor


28.06.2022

Signature of HOD
Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru



Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



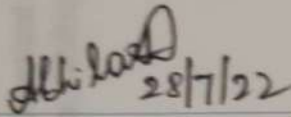
CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SOHAIL SARDAR KHAN (4A118CV121), PRAMODH B R (4A118CV074), POOJA N (4A118CV070), SANJAY E (4A118CV093)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.



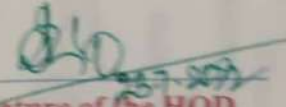
Signature of the Internal Guide

Mr. SANJITH J B.E, M.Tech,
Assistant Professor
Dept. of Civil Engineering



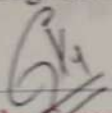
Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech,
Assistant Professor
Dept. of Civil Engineering



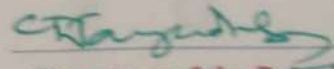
Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering



Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech,
Assistant Professor
Dept. of Civil Engineering



Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1. Shruthi. C.G
2. Dr. Kiran B.M

Signature with Date

1. C. S. S. 20/7/22
2. [Signature]

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102**

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMEN OF CIVIL ENGINEERING

CERTIFICATE

Certified that the **INTERNSHIP (18CV185)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **YASHWANTH K(4AI18CV120), SARTHAK C R(4AI18CV096), NISHWANTH I N (4AI18CV068), VIJETHA K (4AI18CV113)** is a bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in **Civil Engineering**, in **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash D
24/6/22

Signature of Coordinator
Mr. Abhilash D T
Assistant Professor

Dr. M Rame Gowda
24.6.2022

Signature of Guide
Dr. M Rame Gowda
Professor and Head

G. N. R.
29/06/2022

Signature of Coordinator
Mr. Goutham D R
Assistant Professor

Dr. M Rame Gowda
24.6.2022

Signature of HOD
Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru

Dr. C T Jayadeva

Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

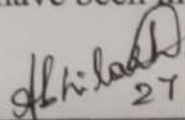
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING


CERTIFICATE

Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SHANMUKH NEGALUR (4AII8CV098), MEGHA K N (4AII8CV061), PREETHAM GOWDA B T(4AII8CV076), AKSHAY H K (4AII8CV123)** is a bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in **Civil Engineering**, in **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


27/6/22

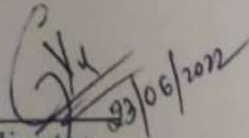
Signature of Coordinator

Mr. Abhilash D T
Assistant Professor


23/06/2022

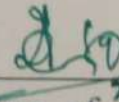
Signature of Guide

Mr. Bhavani Prasad G
Assistant Professor


23/06/2022

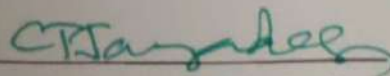
Signature of Coordinator

Mr. Goutham D R
Assistant Professor


27.06.2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru



Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Karnataka) Approved by NBA, New Delhi)

57102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **AISHWARYA B N (4A118CV003)**, **DARSHAN S M (4A118CV032)**, **DHEMANTH G (4A118CV038)**, **DILEEP B K (4A118CV039)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021- 2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Ranjith
27/7/2022

Signature of the Guide

Mr. RANJITH P B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

Abhilash
27/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

Rame Gowda
27.7.2022

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering

Goutham

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

C.T. Jayadeva

Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1 *yogananda*
2 *Ranjith J.*

Signature with Date

1 *Yogananda* 28/7/22
2 *Ranjith J.* 28/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the INTERNSHIP (18CVI85) carried out at CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru by RAJESH I M(4AII9CV4I3), PRAJWAL C R (4AII8CV071), SAMARTH S (4AII8CV089), VISHNU TEJA MODALA (4AII8CVI18) is a bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash D T
25/6/22

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

Abhilash D T
25/6/22

Signature of Guide

Mr. Abhilash D T
Assistant Professor

Goutham D R
25/06/2022

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

M Rame Gowda
25-06-2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru

Dr. C T Jayadeva

Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

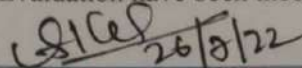
(Affiliated to VTU, Belagavi, Accredited by
CHIKKAMAGALURU-577102)

DEPARTMENT OF CIVIL ENGINEERING

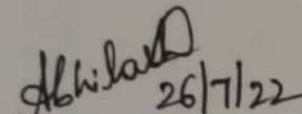


CERTIFICATE

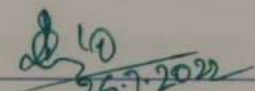
Certified that the Internship (18CVI85) entitled "CONSTRUCTION MANAGEMENT" is a bonafide work carried out at CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru by CHALUKYA K T(4A118CV023), GAGANASHREE K IDARAMANI (4A118CV043), BENAK S A(4A118CV017), GAGAN H V (4A118CV042) bonafide students of Adichunchanagiri Institute Of Technology , Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in CIVIL ENGINEERING, in the Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


Signature of the Internal Guide

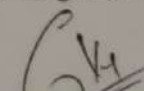
Mrs. SHRUTHI C G B.E, M.Tech
Assistant Professor
Dept. of Civil Engineering


Signature of the Coordinator

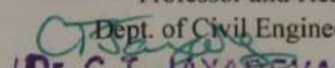
Mr. Abhilash D.T B.E, M.Tech
Assistant Professor
Dept. of Civil Engineering


Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering


Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering


Dr. C. T. JAYADEVA

Principal B.E., M.Tech., Ph.D.

Adichunchanagiri Institute of Technology

CHIKKAMAGALURU-577102

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D

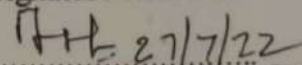
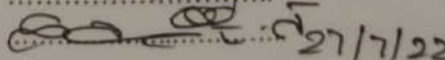
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1. Yogananda
2. Sanjith J

Signature with Date

 27/7/22
 27/7/22



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that **Mr.KIRANKUMAR** (4AI15CSE06) has satisfactorily conducted the internship seminar on "INTERNSHIP" as prescribed by the VTU for 3rd semester M.TECH (STRUCTURAL ENGINEERING) for the year 2016-2017.

GUIDE

Mr.Chethan V R.B.E, M.Tech.,(str.,)

Assistant Professor
Department of Civil Engineering
AIT, Chikkamagaluru

PG CO-ORDINATOR

Mr.Vijaya Kumar Y.M.B.E, M.Tech.,(Ph.D)

Assistant Professor
Department of Civil Engineering
AIT, Chikkamagaluru

EXTERNAL GUIDE

Mr. Sharath D S B.E, M.Tech

Design Engineer
Anagha Consultancy
Bangalore

HEAD OF THE DEPARTMENT

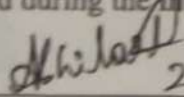
Dr. M. Ramegowda. B.E.,M.Tech.,Ph.D

Professor & Head
Department of Civil Engineering
AIT, Chikkamagaluru



DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

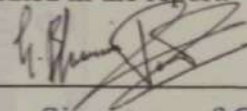
Certified that the **INTERNSHIP (17CV185)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **VARUN B S (4AII7CV106) TEJAS U (4AII8CV426) ANOOP K N(4AII7CV117)** is a Bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial Fulfilment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


25/7/22

Signature of Coordinator

Mr. Abhilash D T

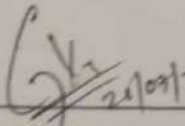
Assistant Professor



Signature of Guide

Mr. Bhavani prasad G

Assistant Professor


25/09/2022

Signature of Coordinator

Mr. Goutham D R

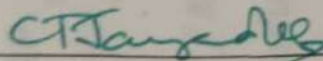
Assistant Professor



Signature of HOD

Dr. M Rame Gowda

Professor and Head



Signature of Principal

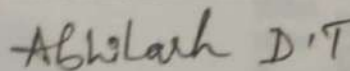
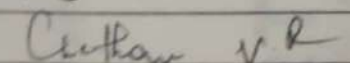
Dr. C T Jayadeva

Principal

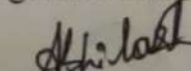
A.I.T.Chikkamagaluru

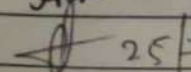
External Examiners

Name of the Examiners

1. 
Abhilash D T
2. 
Goutham V R

Signature with Date


25/7/22


25/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102
(Affiliated to VTU Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE

Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **CHALUKYA K T (4AI18CV023)**, **GAGANASHREE K IDARAMANI (4AI18CV043)**, **BENAK S A (4AI18CV017)**, **GAGAN H.V (4AI18CV042)** is a Bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial Fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

Signature of Guide

Mrs SHRUTHI C G
Assistant Professor

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

Signature of HOD

Dr. M Rame Gowda
Professor and Head

Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikmagalur

External Examiners

Name of the Examiners

Signature with Date

1. _____

2. _____

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

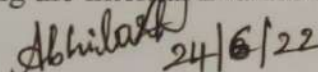
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



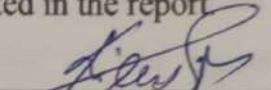
DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

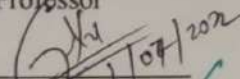
Certified that the INTERNSHIP (18CVI85) carried out at CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru by DEEPIKA. C(4AI18CV036), NAVEEN GOWDA. K P (4AI18CV054), YASHODHARA. H M (4AI17CV112) is a bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report


Signature of Coordinator

Mr. Abhilash D T
Assistant Professor


Signature of Guide

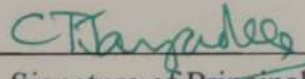
Dr. B.M Kiran
Associate Professor


Signature of Coordinator

Mr. Goutham D R
Assistant Professor


Signature of HOD

Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru


Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

External Examiners

Name of the Examiners

Signature with Date

1. _____

2. _____

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **YASHODHARA H.M (4AII7CV112)** **DEEPIKA C (4AII8CV036)** **NAVEEN GOWDA K.P (4AII8CV054)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

[Signature]
Signature of the Guide

Dr. B.M KIRAN B. E, M.Tech.Ph.D.
Associate Professor
Dept. of Civil Engineering

[Signature] 26/7/22
Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

[Signature] 26.7.2022
Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering

[Signature] 26/7/2022
Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

[Signature]
Signature of the Principal

Dr. C.T. JAYADEVA B.E, M.Tech, Ph.D
Principal
Principal
Adichunchanagiri Institute of Technology
Chikkamagaluru
CHIKKAMAGALURU-577102

External Viva

Name of the Examiners

1. *[Signature]* Yajamanda.....
2. *[Signature]* Sanjith J.....

Signature with Date

1. *[Signature]* 27/07/22
2. *[Signature]* 27/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **HARSHITHA B L (4A118CV047), HARSHA H R (4A118CV046), KISHORE T J (4A118CV056), KEERTHIK P SWAMY (4A119CV407)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

[Handwritten Signature]
26/7/2022

Signature of the Guide

Dr. M. Ramegowda B.E, M.Tech, Ph.D.
Professor and Head
Dept. of Civil Engineering

[Handwritten Signature]
26/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

[Handwritten Signature]
26/7/2022

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D.
Professor and Head
Dept. of Civil Engineering

[Handwritten Signature]
26/7/2022

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

[Handwritten Signature]

Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D.
Principal
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU - 577102
A.P., Chikkamagaluru

External Viva

Name of the Examiners

1. *Yogamanda*

2. *Sanjith J*

Signature with Date

1. *[Signature]* 22/07/22

2. *[Signature]* 27/07/22

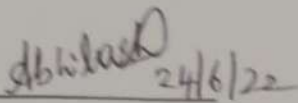
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

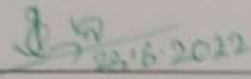
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

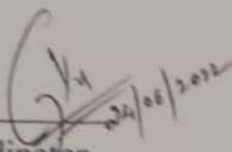


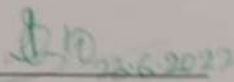
DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE

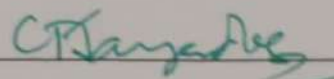
Certified that the INTERNSHIP (18CVI85) carried out at CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru by HARSHITHA B L (4A118CV047), HARSHA H R (4A118CV046), KISHORE T J (4A118CV056), KEERTHIK P SWAMY (4A119CV407) is a Bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial Fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


Signature of Coordinator
Mr. Abhilash D T
Assistant Professor


Signature of Guide
Dr. M Rame Gowda
Professor and Head


Signature of Coordinator
Mr. Goutham D R
Assistant Professor


Signature of HOD
Dr. M Rame Gowda
Professor and Head


Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

External Examiners

Name of the Examiners

Signature with Date

1. _____

2. _____

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

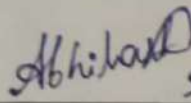
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

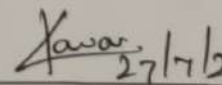


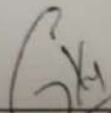
DEPARTMENT OF CIVIL ENGINEERING

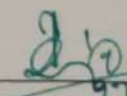
CERTIFICATE

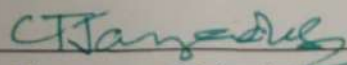
Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **ARAVIND S (4AI18CV011), BHARATH KUMAR B S (4AI18CV018), ANANYA A J (4AI18CV010), SWAROOP B B (4AI17CV100)** is a bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/suggestions indicated during the Internal Evaluation have been incorporated in the report.


27/7/22
Signature of Coordinator
Mr. Abhilash D T
Assistant Professor


27/7/22
Signature of Guide
Mr. Kavan M R
Assistant Professor


Signature of Coordinator
Mr. Goutham D R
Assistant Professor


27/7/2022
Signature of HOD
Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru


Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

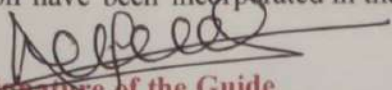
CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING

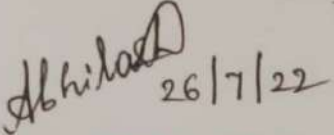


CERTIFICATE

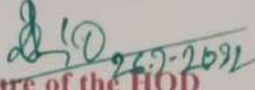
Certified that the Internship (18CVI85) entitled **"CONSTRUCTION MANAGEMENT"** is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **BHOOMIKA A N (4AI18CV021)**, **PAVAN C R (4AI17CV118)**, **HEMANTH M P (4AI18CV051)**, **SAAD ASADULLAH KHAN (4AI16CV086)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


Signature of the Guide

Mr. SHEKHAR H G B.E, M.Tech.
Associate Professor
Dept. of Civil Engineering


Signature of the Coordinator

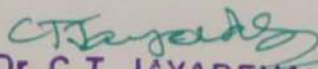
Mr. Abhilash D.T B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering


Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering


Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering


Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D
Principal
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU, 577102
AIIT, Chikkamagaluru

External Viva

Name of the Examiners

1 Yogamandur
2 Sajith J.

Signature with Date

1 [Signature] 27/07/22
2 [Signature] 27/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING

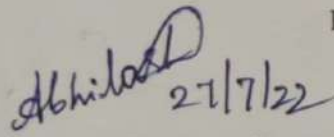


CERTIFICATE

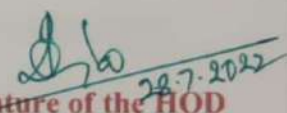
Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **HEMANTH H K(4A118CV049), DHARSHAN J S(4A118CV037),ANUSHA P PRABHU(4A117CV005),CHIDANAND U(4A118CV029)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


Signature of the Guide

Dr. VIJAYA KUMAR Y M B.E, M.Tech.
Associate Professor
Dept. of Civil Engineering


Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering


Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering


Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering


Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D
Principal
AIT, Chikamagaluru

External Viva

Name of the Examiners

- 1 Yogamanda
- 2 Sanjith J.

Signature with Date

- 1 YH 28/07/22
- 2 Sanjith J 27/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

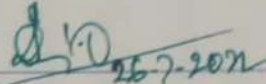
CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



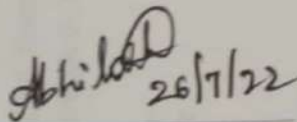
CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **YASHWANTH K (4AI18CVI20), SARTHAK C R (4AI18CV096), NISHWANTH I N (4AI18CV068), VIJETHA K (4AI18CVI13)** bonafide students of Adichunchanagiri Institute of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


26/7/2022

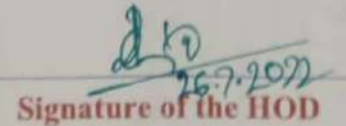
Signature of the Guide

Dr. M. Rame Gowda B.E, M.Tech., Ph.D
Professor and Head
Dept. of Civil Engineering


26/7/22

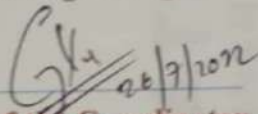
Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering


26/7/2022

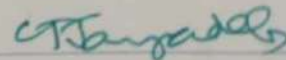
Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering


26/7/2022

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

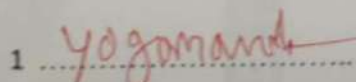


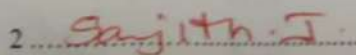
Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D
Principal
AIT, Chikkamagaluru

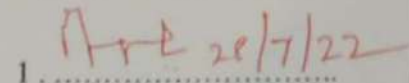
External Viva

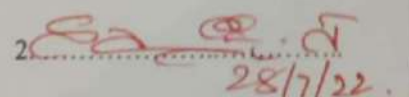
Name of the Examiners

1 

2 

Signature with Date

1 
28/7/22

2 
28/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **MOHSIN ALI (4AI18CV64)**, **MOHAMMED JUNAID (4AI19CV410)**, **SAI DHANUSH A R (4AI18CV088)**, **MANOJA M P (4AI18CV060)**, **MEGHANA T R (4AI19CV409)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Dhanalakshmi C.K. 25/7/22

Signature of the Internal Guide

Mrs DHANALAKSHMI C K B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Abhilash D.T. 25/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Dr. M. Rame Gowda 25/7/2022

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D

Professor and Head

Dept. of Civil Engineering

Mr. Goutham D.R. 25/7/22

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Dr. C.T. Jayadeva

Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D

Principal

AIT, Chikkamagaluru

External Viva

Name of the Examiners

Signature with Date

1

1

2 *Chohan V.R.*

2 *26/07/22*

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102**

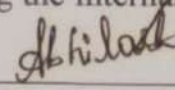
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



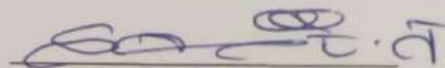
DEPARTMEN OF CIVIL ENGINEERING

CERTIFICATE

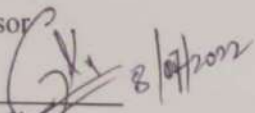
Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **AMULYA M (4AII6CV003)**, **AFNAN ZAID PASHA(4AII7CV002)**, **AKASH K G (4AII8CV006)**, **KARTHIK B J(4AII9CV404)** is a bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


24/6/22
Signature of Coordinator

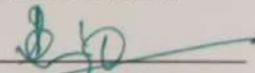
Mr. Abhilash D T
Assistant Professor


Signature of Guide

Mr. Sanjith. J
Assistant Professor


8/7/2022
Signature of Coordinator

Mr. Goutham D R
Assistant Professor


Signature of HOD

Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru



Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

External Examiners

Name of the Examiners

Signature with Date

1. _____

2. _____

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU - 577102

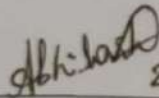
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the INTERNSHIP (18CV185) carried out at "CONSTRUCTION MANAGEMENT TRAINING INSTITUTE", Bengaluru by SANJAY B N (4AII8CV091), PRAJWAL S R (4AII8CV073), RUCHITHA G S (4AII8CV082), NANDAN G Y (4AII8CV066) is a bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY CHIKKAMAGALURU, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the academic year 2021-22. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


24/6/22

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor



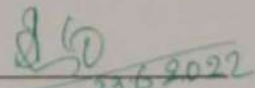
Signature of Guide

Dr. VIJAYA KUMAR Y M
Associate Professor



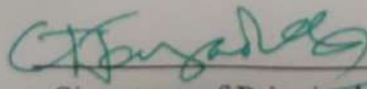
Signature of Coordinator

Mr. Goutham D R
Assistant Professor


23/6/2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru



Signature of Principal

Dr. C T Jayadeva
Principal
B.E., M.Tech., Ph.D.
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577102

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU - 577102

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **MALLIKARJUN BEEDANAL (4AII8CV059), PRAJWAL H R (4AII8CV072), SHARATHKUMAR A S (4AII9CV415), SUSHMA M (4AII8CV109)** is a bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in **Civil Engineering**, in **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash
27/6/22

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

Kavan
27/06/22

Signature of Guide

Mr. Kavan M R
Assistant Professor

GK
22/06/2022

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

D M Rame Gowda
27.06.2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru

C T Jayadeva

Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU - 577102

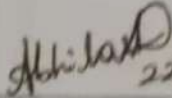
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



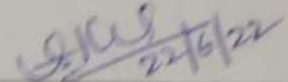
DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

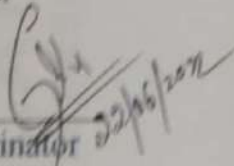
Certified that the **INTERNSHIP (18CV185)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **Sahana M (4A118CV087), Sanjay E (4A118CV092), Niranjan A M (4A118CV067), Varun D Arya (4A118CV111)** are bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


22/6/22

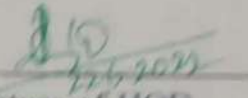
Signature of Coordinator
Mr. Abhilash D T
Assistant Professor


22/6/22

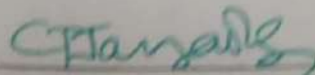
Signature of Guide
Mrs. Shruthi C G
Assistant Professor


22/6/2022

Signature of Coordinator
Mr. Goutham D R
Assistant Professor


22/6/2022

Signature of HOD
Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru



Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **CHANDAN H M(4AI18CV024)**, **DARSHITHA T R (4AI18CV033)**, **DASHARATHA K M(4AI18CV034)**, **MOHAMMED JUNAID (4AI17CV044)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021- 2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Kavya B.R.
27/7/22

Signature of the Guide

Mrs. KAVYA B R BE, MTech.

Assistant Professor

Dept. of Civil Engineering

Abhilash D
27/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Dr. M. Rame Gowda
27/7/22

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D

Professor and Head

Dept. of Civil Engineering

Mr. Goutham D.R

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Dr. C.T. Jayadeva

Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D

Principal

AIT, Chikkamagaluru

External Viva

Name of the Examiners

1 *Yogamurthy*

2 *Sanjitha S.*

Signature with Date

1 *Yogamurthy* 28/7/22

2 *Sanjitha S.* 28/7/22

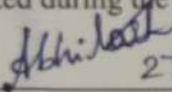
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



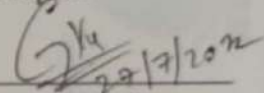
DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE

Certified that the **INTERNSHIP (18CV185)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **ASHITH N R (4A118CV015)**, **A ERAMMA (4A119CV400)**, **GAYAZ MUSHAHID KHAN (4A118CV044)**, **HEMANTH KUMAR P R (4A118CV050)** is a Bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial Fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


27/7/22

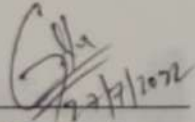
Signature of Coordinator

Mr. Abhilash D T
Assistant Professor


22/7/2022

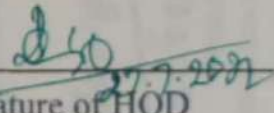
Signature of Guide

Mr. GOUTHAM D R
Assistant Professor


22/7/2022

Signature of Coordinator

Mr. Goutham D R
Assistant Professor


27.7.2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head


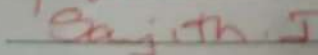


Signature of Principal

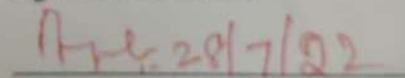
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

External Examiners

Name of the Examiners

1. 
Yogamanda
2. 
Sujith J.

Signature with Date


28/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE

Certified that the INTERNSHIP (18CV185) carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **ADRUSHYA K M** (4AI18CV001), **G K PRAJWAL URS** (4AI18CV045), **H D ROHITH** (4AI18CV045), **CHETHAN NAAGVEER C** (4AI19CV402) is a Bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial Fulfilment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash 27/7/22

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

Chethan

Signature of Guide

Mr CHETHAN V R
Assistant Professor

Goutham

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

M Rame Gowda
27/7/2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head

Dr. C T Jayadeva

Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

External Examiners

Name of the Examiners

1. *Yogamanda*
2. *Sajith J.*

Signature with Date

Trishu 28/7/22
Sajith J. 28/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU -577102

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the INTERNSHIP (18CVI85) carried out at CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru by SUBHASH H M (4AI18CV105) RUGWANTH GOWDA M (4AI18CV122) VINUSHA C (4AI18CV117) SHASHANK R (4AI19CV416) is a bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash D T
25/6/22

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

G D R
23/06/2022

Signature of Guide

Mr. Goutham D R
Assistant Professor

G D R
23/06/2022

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

D M R
25-06-2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru

C T Jayadeva

Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

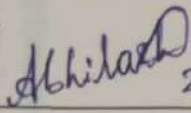
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

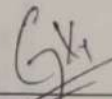
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

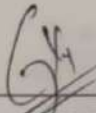



DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE

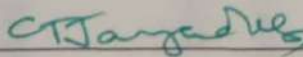
Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **CHANDANA B S (4AI18CV026)**, **CHETAN RACHAPPA KESARABHAVI (4AI18CV027)**, **CHIRAG K P (4AI18CV031)**, **BHARATH S M (4AI18CV019)** is a Bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU, in partial Fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


27/7/22
Signature of Coordinator
Mr. Abhilash D T
Assistant Professor

For, 
Signature of Guide
Mr. NAVEEN KUMAR S M
Assistant Professor

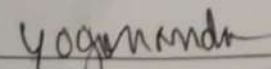
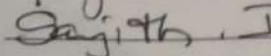

Signature of Coordinator
Mr. Goutham D R
Assistant Professor


27.7.2022
Signature of HOD
Dr. M Rame Gowda
Professor and Head

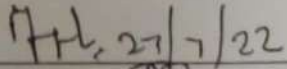
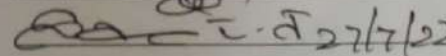

Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

External Examiners

Name of the Examiners

1. 
2. 

Signature with Date


27/7/22

27/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the **INTERNSHIP (18CV185)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **AISHWARYA B N(4AI18CV003), DARSHAN S M (4AI18CV032), DHEMANTH G (4AI18CV038), DILEEP B K (4AI18CV039)** is a bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash D 4/7/22

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

Ranjith P 23/06/2022

Signature of Guide

Mr. Ranjith P
Assistant Professor

Goutham D R 24/7/2022

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

Dr. M Rame Gowda 24/7/2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru

Dr. C T Jayadeva

Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that **AKSHATHA M. K(4AI18CV007),HEMANTH B M(4AI18CVO48), ALFAZ. A(4AI18CV008), MANOJKUMAR V(4AI19CV408)** has satisfactorily completed the internship programme conducted by the CMTI group, is a bonafide work carried in partial fulfillment for the award of degree of Bachelor of Engineering in Department of Civil Engineering of the visvevaraya technological university, Belagavi, It is certified that all the corrections/suggestions have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements.

Abhilash 27/7/22

Signature of the Coordinator

Mr. Abhilash D. T

Assistant Professor

Abhilash 27/7/22

Signature of the Guide

Mr. Abhilash D. T

Assistant Professor

G. D. R.

Signature of the Coordinator

Mr. Goutham D R

Assistant Professor

D. M. Rame Gowda 27/7/2022

Signature of the HOD

Dr. M Rame Gowda

Professor and Head

Department of Civil Engineering

AIT, Chikamagaluru

C. T. Jayadeva

Signature of Principal

Dr. C T Jayadeva

Principal

AIT, Chikamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

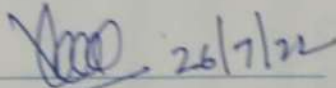
CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **SANJAY B N (4AI18CV091)**, **PRAJWAL S R (4AI18CV073)**, **RUCHITHA G S (4AI18CV082)**, **NANDAN G Y (4AI18CV066)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

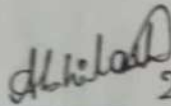
 26/7/22

Signature of the Internal Guide

Dr. VIJAYA KUMAR Y M B.E, M.Tech, Ph.D.

Associate Professor

Dept. of Civil Engineering

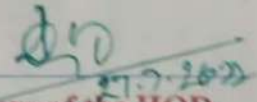
 26/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

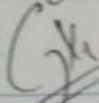
 26/7/2022

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D.

Professor and Head

Dept. of Civil Engineering

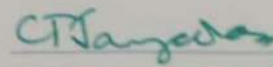
 26/7/2022

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering



Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D.

Principal

Principal B.E, M.Tech, Ph.D.

AIT, Chikkamagaluru

Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577102

External Viva

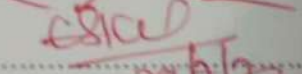
Name of the Examiners

1 

2 

Signature with Date

1 

2  26/7/22

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102**

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



**DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE**

Certified that the **INTERNSHIP (18CV185)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **FIDA AROOJ (4AI18CV040)**, **CHANDANA B H (4AI18CV025)**, **CHINMAYA S KUMAR (4AI18CV030)**, **CHANDAN H K (4AI18CV406)**, **P V MEGHRAJ (4AI17CV059)** is a Bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial Fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash D T
24/6/22

Signature of Coordinator

Mr. Abhilash D T

Assistant Professor

Abhinag

Signature of Guide

Mr. Abhinag

Assistant Professor

Signature of Coordinator

Mr. Goutham D R

Assistant Professor

Dr. M Rame Gowda
01.07.2022

Signature of HOD

Dr. M Rame Gowda

Professor and Head

Dr. C T Jayadeva

Signature of Principal

Dr. C T Jayadeva

Principal

A.I.T. Chikkamagaluru

External Examiners

Name of the Examiners

Signature with Date

1. _____

2. _____

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

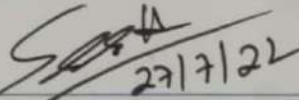
CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **BHAVANA H V (4AI18CV020), KARTHIK K (4AI19CV405), MOHITH N RAJ (4AI17CV048), LOHITH U R (4AI18CV058)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

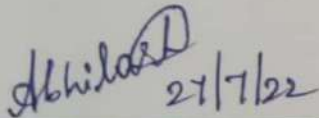

27/7/22

Signature of the Guide

Mr. Suyog H B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

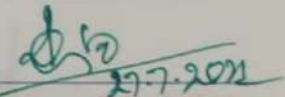

27/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

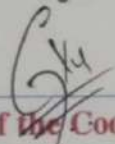

27.7.2022

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D

Professor and Head

Dept. of Civil Engineering

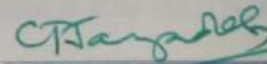


Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering



Signature of the Principal

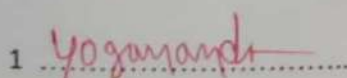
Dr. C.T. Jayadeva B.E, M.Tech, Ph.D

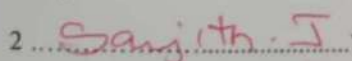
Principal

AIT, Chikkamagaluru

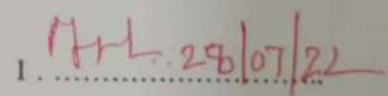
External Viva

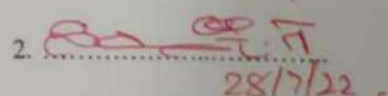
Name of the Examiners

1 

2 

Signature with Date

1 
28/07/22

2 
28/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SANDHYA S S (4AI18CV090), PREMKUMARNAIK A (4AI18CV079), AKHIL JOSEPH (4AI19CV401), SHASHWATH G S (4AI18CV101)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Signature of the Internal Guide

Mr. SUYOG H B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D

Professor and Head

Dept. of Civil Engineering

Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D

Principal

AIT, Chikkamagaluru

External Viva

Name of the Examiners

1 Abhilash D.T

2 Goutham V.R

Signature with Date

1 Abhilash D.T 26/7/22

2 G 26/7/22



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that **BHOOMIKA A N (4AI18CV021)**, **PAVAN C R (4AI17CV118)**, **HEMANTH M P (4AI18CV051)**, **SAAD ASADULLAH KHAN (4AI16CV086)** has satisfactorily completed the internship programme conducted by the CMTI group, is a bonafide work carried in partial fulfilment for the award of degree of Bachelor of Engineering in Department of Civil Engineering of the visvesvaraya technological university, Belagavi, It is certified that all the corrections/suggestions have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements.

Abhilash 24/6/22

Signature of the coordinator

Mr. ABHILASH D. T
 Assistant professor

Shekhar H G

Signature of the Guide

Mr. SHEKHAR H G
 Associate Professor

Gowtham D R
 1/07/2022

Signature of the coordinator

Mr. GOWTHAM D R
 Assistant professor

Dr. M Rame Gowda
 01/07/2022

Signature of the HOD

DR. M RAME GOWDA B.E., M.Tech. Ph.D
 Professor and H.O.D

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

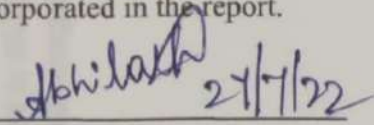
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

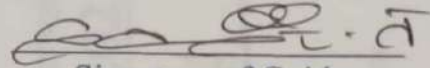
DEPARTMENT OF CIVIL ENGINEERING

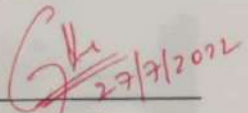


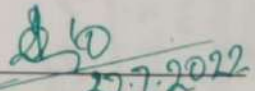
CERTIFICATE

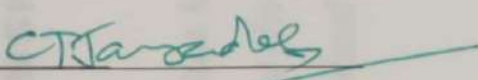
Certified that the INTERNSHIP (18CV185) entitled "CONSTRUCTION MANAGEMENT", is a bonfide work carried out at CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru by AMULYA M (4A116CV003) AFNAN ZAID PASHA (4A117CV002) AKASH K G (4A118CV006) KARTHIK B J (4A119CV404) is a bonafide student of Adichunchanagiri Institute Of Technology, Chikmagaluru, in partial fulfilment for the award of Degree of Bachelor Of Engineering in CIVIL ENGINEERING, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the internal evaluation have been incorporated in the report.


Signature of Coordinator
Mr. Abhilash D T
Assistant Professor

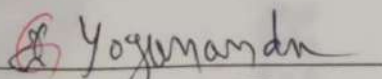
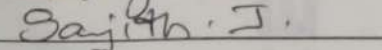

Signature of Guide
Mr. SANJITH J
Assistant Professor


Signature of Coordinator
Mr. Goutham D R
Assistant Professor

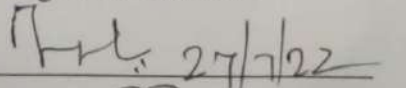
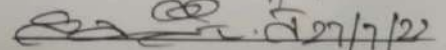

Signature of HOD
Dr. M Rame Gowda
Professor and Head


Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

External Examiners
Name of the Examiners

1. 
2. 

Signature with Date

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE

Certified that the **INTERNSHIP (18CV185)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **ASHITH N R (4A118CV015)**, **A ERAMMA (4A119CV400)**, **GAYAZ MUSHAHID KHAN (4A118CV044)**, **HEMANTH KUMAR P R (4A118CV050)** is a Bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial Fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

Signature of Guide

Mr. GOUTHAM D R
Assistant Professor

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

Signature of HOD

Dr. M Rame Gowda
Professor and Head

Signature of Principal

Dr. C. T. Jayadeva
Principal
B.E., M.Tech., Ph.D.
A. I. T. Chikkamagaluru
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577102

External Examiners

Name of the Examiners

1. _____
2. _____

Signature with Date

- _____
- _____

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **RAJESH I M (4AII9CV4I3), PRAJWAL C R (4AII8CV071), SAMARTH S (4AII8CV089), VISHNU TEJA MODALA (4AII8CV118)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash 25/7/22

Signature of the Guide

Mr. Abhilash D.T B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

Abhilash 25/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

[Signature]

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering

Goutham 25/07/2022

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

[Signature]

Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

- 1 *Abhilash D.T*
- 2 *Chethan VR*

Signature with Date

- 1 *Abhilash* 26/7/22
- 2 *[Signature]* 26/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY**CHIKKAMAGALURU – 577102**

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

**DEPARTMENT OF CIVIL ENGINEERING****CERTIFICATE**

Certified that the **INTERNSHIP (18CV185)** carried out at **“CONSTRUCTION MANAGEMENT TRAINING INSTITUTE”**, Bengaluru by **CHANDAN H M (4AI18CV024)**, **DARSHITHA T R (4AI18CV033)**, **DASHARATHA K M (4AI18CV034)**, **MOHAMMED JUNAID (4AI17CV044)** is a bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY CHIKKAMAGALURU**, in partial fulfilment for the award of degree of Bachelor of Engineering in Civil Engineering, in **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the academic year 2021-22. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash D
24/6/22

Signature of Coordinator
Mr. Abhilash D T
Assistant Professor

Kavya B.R
24/06/22

Signature of Guide
Mrs KAVYA B R
Assistant Professor

G D
29/06/2022

Signature of Coordinator
Mr. Goutham D R
Assistant Professor

M Ramegowda
25.06.2022

Signature of HOD
Dr. M Ramegowda
Professor and Head
Department of Civil Engineering
A.I.T Chikkamagaluru

Chandana

Signature of Principal

Dr. C T Jayadeva Principal

A.I.T. Chikkamagaluru

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102**

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



**DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE**

Certified that the **INTERNSHIP (17CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **JITHENDRA DAS G A (4AI15CV035)**, **SAHADEV B P (4AI15CV081)**, **MANOJ A M (4AI16CV046)**, **YASHWANTH A S (4AI16CV125)** is a Bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial Fulfilment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Signature of Coordinator

Mr. Abhilash D T

Assistant Professor

Signature of Coordinator

Mr. Goutham D R

Assistant Professor

Signature of Guide

Mrs. Seema B S

Assistant Professor

Signature of HOD

Dr. M Rame Gowda

Professor and Head

Signature of Principal

Dr. C T Jayadeva

Principal

A.I.T.Chikkamagaluru

External Examiners

Name of the Examiners

1. _____
2. _____

Signature with Date

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102**

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



**DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE**

Certified that the INTERNSHIP (18CVI85) carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **FIDA AROOJ** (4AII8CV040), **CHANDANA B H** (4AII8CV025), **CHINMAYA S KUMAR** (4AII8CV030), **CHANDAN H K** (4AII8CV406), **P V MEGHRAJ** (4AII7CV059) is a Bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial Fulfilment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash 28/7/22

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

Abhinag

Signature of Guide

Mr. Abhinag
Assistant Professor

Goutham

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

M Rame Gowda 28/7/2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head

Dr. C T Jayadeva

Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

External Examiners

Name of the Examiners

1. *yogamanda*
2. *Sanjith J*

Signature with Date

M.H. 28/7/22
Sanjith J
28/7/22.



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that AKSHATHA M. K(4AI18CV007),HEMANTH B M(4AI18CVO48), ALFAZ. A(4AI18CV008), MANOJKUMAR V(4AI19CV408) has satisfactorily completed the internship programme conducted by the CMTI group, is a bonafide work carried in partial fulfillment for the award of degree of Batchelor of Engineering in Department of Civil Engineering of the visvevaraya technological university, Belagavi, It is certified that all the corrections/suggestions have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements.

Abhilash D. T.
24/6/22

Signature of the Coordinator

Mr. Abhilash D. T

Assistant Professor

Goutham D R.
01/07/2022

Signature of the Coordinator

Mr. Goutham D R

Assistant Professor

Abhilash D. T.
24/6/22

Signature of the Guide

Mr. Abhilash D. T

Assistant Professor

Dr. M Rame Gowda.
01.07.2022

Signature of the HOD

Dr.M Rame Gowda

Professor and Head

Department of civil Engineering

AIT, Chikamagaluru

Dr. C T Jayadeva
Signature of Principal

Dr. C T Jayadeva

Principal

AIT, Chikamagaluru

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102**

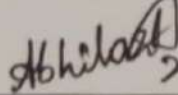
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



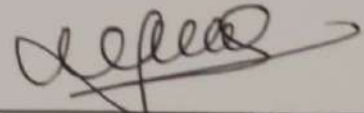
DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

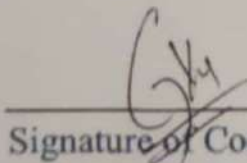
Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru**, by **Pratheek H B, Sagar M N, Shivalingayya, Kaveri A** bearing USN **4AI18CV075, 4AI18CV085, 4AI18CV102, 4AI19CV406** are bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfilment for the award of degree of Bachelor of Engineering in **Civil Engineering**, in **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


28/7/22

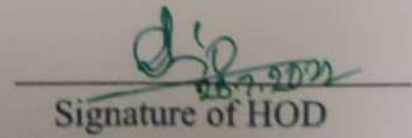
Signature of Coordinator
Mr. Abhilash D T
Assistant Professor
Dept. of civil engineering



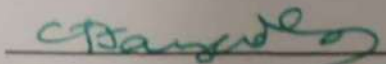
Signature of Guide
Mr. H G SHEKHAR
Associate Professor
Dept. of civil engineering



Signature of Coordinator
Mr. Goutham D R
Assistant Professor
Dept. of Civil Engineering



Signature of HOD
Dr. M Rame Gowda
Professor and Head
Dept. of civil engineering


Signature of Principal
Dr. C T Jayadeva
A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SHANMUKH NEGALUR (4AI18CV098), MEGHA K N(4AI18CV061), PREETHAM GOWDA B T (4AI18CV076), AKSHAY H K (4AI18CV123)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Signature of the Internal Guide

Mr. Bhavani Prasad G B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

25/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering

24/07/2022

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering

Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D
Principal
AIT, Chikkamagaluru

External Viva

Name of the Examiners

1. Abhilash D.T
2. Chethan V.R

Signature with Date

1. Abhilash 26/7/22
2. Chethan 26/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)
CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **JYOTHI A R (4A118CV053), KOTRESH S B (4A118CV057), KARTHIK T D (4A118CV055), AMITH V (4A118CV009)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Signature of the Internal Guide

MR. YOGANANDA

Assistant Professor
Dept. of Civil Engineering

Signature of the Coordinator

Mr. Abhilash D.T B.E., M.Tech.

Assistant Professor
Dept. of Civil Engineering

Signature of the HOD

Dr. M. Rame Gowda B.E., M.Tech., Ph.D

Professor and Head
Dept. of Civil Engineering

Signature of the Coordinator

Mr. Goutham D.R B.E., M.Tech.

Assistant Professor
Dept. of Civil Engineering

Signature of the Principal

Dr. C.T. JAYADEVA B.E., M.Tech., Ph.D

Principal
Principal
Adichunchanagiri Institute of Technology
ATT, Chikkamagaluru
CHIKKAMAGALURU-577102

External Viva

Name of the Examiners

1 Yogananda

2 Sajith J

Signature with Date

1 Yogananda 27/7/22

2 Sajith J 27/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **YASHODHARA H.M (4A117CV112) DEEPIKA C (4A118CV036) NAVEEN GOWDA K.P (4A118CV054)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

[Signature]
Signature of the Guide

Dr. B.M KIRAN B. E., M.Tech, Ph.D.
Associate Professor
Dept. of Civil Engineering

[Signature] 26/7/22
Signature of the Coordinator

Mr. Abhilash D.T B.E., M.Tech.
Assistant Professor
Dept. of Civil Engineering

[Signature] 26/7/2022
Signature of the HOD

Dr. M. Rame Gowda B.E., M.Tech, Ph.D.
Professor and Head
Dept. of Civil Engineering

[Signature] 26/7/2022
Signature of the Coordinator

Mr. Goutham D.R B.E., M.Tech.
Assistant Professor
Dept. of Civil Engineering

[Signature]
Signature of the Principal

Dr. C. TAKA DEVA B.E., M.Tech, Ph.D.
Principal
Adichunchanagiri Institute of Technology,
CHIKKAMAGALURU-577102

External Viva

Name of the Examiners

1. *[Signature]*

2. *[Signature]*

Signature with Date

1. *[Signature]* 27/07/22

2. *[Signature]* 27/7/22

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102**

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **JYOTHI A R (4A118CV053) KOTRESH S B (4A118CV057), KARTHIK T D (4A118CV055), AMITH V (4A118CV009)** is a bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

Signature of Guide

Mr. yogananda
Assistant Professor

Signature of HOD

Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru

Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

External Examiners

Name of the Examiners

1. _____

2. _____

Signature with Date

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKMAGALUR-577102**

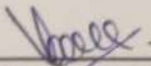
2015-16

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that Mr.YATHEENDRA KUMAR H N(4AI14CSE24) has satisfactorily conducted the seminar on "INTERNSHIP" as prescribed by the VTU for 3rd semester M.TECH (STRUCTURAL ENGINEERING) for the year 2015-2016.

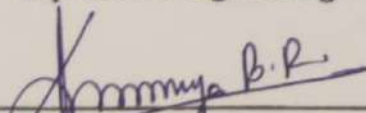


CO-ORDINATOR

Mr. VIJAY KUMAR Y .M, M.Tech

Assistant professor

Dept of civil Engineering




UNDER THE GUIDANCE OF

Mrs. KAVYA.B.R M.Tech

Assistant professor

Dept of civil engineering

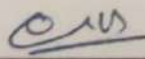


HOD

Dr. M.RAME GOWDA M.Tech, Ph.D.

Prof. & Head

Dept of civil Engineering



EXTERNAL GUIDE

Mr.S.R GIRISH Civil Engineer

Executive Director

Davangere

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **ARAVIND S (4AI18CV011), BHARATH KUMAR B S (4AI18CV018), ANANYA A J (4AI18CV010), SWAROOP B B (4AI17CV100)** is a bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash
24/6/22

Signature of Coordinator

Mr. Abhilash D T

Assistant Professor

Kavan
24/6/22

Signature of Guide

Mr. Kavan M R

Assistant Professor

G D R
1/07/2022

Signature of Coordinator

Mr. Goutham D R

Assistant Professor

Rame Gowda
24.06.2022

Signature of HOD

Dr. M Rame Gowda

Professor and Head

Department of Civil Engineering

A.I.T. Chikkamagaluru

Dr. C T Jayadeva

Signature of Principal

Dr. C T Jayadeva

Principal

A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SUJITH P (4AII8CV106), SUMANTH B J (4AII8CV107), THILAK PRASAD B M (4AII8CV110), POOJA N (4AII9CV411)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Kavya B R
23/7/22
Signature of the Guide

Mrs. KAVYA B R B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Abhilash D.T
23/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Dr. M. Rame Gowda

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D

Professor and Head

Dept. of Civil Engineering

Goutham D.R
25/07/2022

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Dr. C.T. Jayadeva
Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D

Principal

Principal B.E., M.Tech., Ph.D.

ATT, Chikkamagaluru

Adichunchanagiri Institute of Technology

CHIKKAMAGALURU-577102

External Viva

Name of the Examiners

1 *Abhilash D.T*

2 *Chethan V.R*

Signature with Date

1 *Abhilash D.T* 26/7/22

2 *Chethan V.R* 26/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **Sneha B G (4AI18CV103), Sunil (4AI18CV108), Mohan Kumar B R(4AI18CV063), Rajesh A (4AI19CV412)** are bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY,**

CHIKMAGALURU, in partial fulfillment for the award of degree of Bachelor of Engineering in **Civil Engineering, in Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022.** It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash D 28/6/22

Signature of Coordinator
Mr. Abhilash D T
Assistant Professor

Abhinav

Signature of Guide
Mr. Abhinav
Assistant Professor

G R
27/06/2022

Signature of Coordinator
Mr. Goutham D R
Assistant Professor

M Rame Gowda
28-06-2022

Signature of HOD
Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru

CT Jayadeva

Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SNEHA B G (4A118CV103), SUNIL (4A118CV108), MOHAN KUMAR B R (4A118CV063), RAJESH A (4A119CV412)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Signature of the Guide

Mr. Abhinag B.E., M.Tech.

Assistant Professor

Dept. of Civil Engineering

Signature of the Coordinator

Mr. Abhilash D.T B.E., M.Tech.

Assistant Professor

Dept. of Civil Engineering

Signature of the HOD

Dr. M. Rame Gowda B.E., M.Tech., Ph.D

Professor and Head

Dept. of Civil Engineering

Signature of the Coprdinator

Mr. Goutham D.R B.E., M.Tech.

Assistant Professor

Dept. of Civil Engineering

Signature of the Principal

Dr. C.T. Jayadeva B.E., M.Tech., Ph.D

Principal

AIT, Chikkamagaluru

External Viva

Name of the Examiners

1 Abhilash D.T

2 Goutham V.R

Signature with Date

1 Abhilash D.T 26/7/22

2 Goutham V.R 26/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

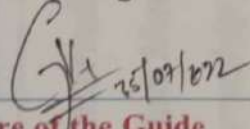
CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



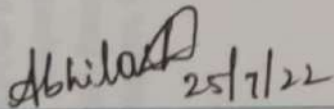
CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SUBHASH H M (4AII8CV105), RUGWANTH GOWDA M (4AII8CV122), VINUSHA C (4AII8CV117), SHASHANKA R (4AII9CV416)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


25/09/22

Signature of the Guide

Mr. Goutham D R B.E., M.Tech.
Assistant Professor
Dept. of Civil Engineering


25/7/22

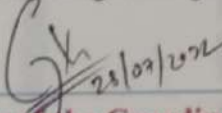
Signature of the Coordinator

Mr. Abhilash D.T B.E., M.Tech.
Assistant Professor
Dept. of Civil Engineering



Signature of the HOD

Dr. M. Rame Gowda B.E., M.Tech., Ph.D.
Professor and Head
Dept. of Civil Engineering


25/09/22

Signature of the Coordinator

Mr. Goutham D.R B.E., M.Tech.
Assistant Professor
Dept. of Civil Engineering



Signature of the Principal

Dr. C.T. Jayadeva B.E., M.Tech., Ph.D.
Dr. C.T. JAYADEVA
Principal
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577102

External Viva

Name of the Examiners

- 1 Abhilash D.T
- 2 Chethan V.R

Signature with Date

- 1 Abhilash D.T 26/7/22
- 2 Chethan V.R 26/7/22

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **PREETHAM KRISHNA T R (4AI18CV078), SPOORTHI K Y (4AI18CV104), VINAY C V (4AI19CV419), RANGANATH C U(4AI18CV081)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Naveen
28/07/2022

Signature of the Internal Guide

Mr. Naveen Kumar S M B.E., M.Tech.

Assistant Professor

Dept. of Civil Engineering

Rame Gowda

Dr. M. RAME GOWDA

B.E., M.Tech., (IIT-B), Ph.D. (NITK)

Professor and Head

Department of Civil Engineering

Adichunchanagiri Institute of Technology

Dr. M. Rame Gowda 28/07/2022

Professor and Head

Dept. of Civil Engineering

Abhilash
29/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E., M.Tech.

Assistant Professor

Dept. of Civil Engineering

Goutham
29/7/2022

Signature of the Coordinator

Mr. Goutham D.R B.E., M.Tech.

Assistant Professor

Dept. of Civil Engineering

C.T. Jayadeva

Signature of the Principal

Dr. C.T. Jayadeva B.E., M.Tech., Ph.D.

Dr. C.T. JAYADEVA

Principal, Chikkamagaluru

Adichunchanagiri Institute of Technology

CHIKKAMAGALURU-577102

Signature with Date

External Viva

Name of the Examiners

1. *Shruthi C.B.*

2. *D.J. Kittappa R.M.*

1. *C.T. Jayadeva* 28/7/22

2. *[Signature]*

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SACHIN K (4AI18CV083), VINAY B M (4AI18CV114), VINAY B R (4AI18CV115), VINDYA B J (4AI18CV116)**, bonafidestudents of **Adichunchanagiri Institute Of Technology, Chikmagaluru**, in partial fulfillment for the award of degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the connections suggestions indicated during the Internal Evaluation have been incorporated in the report.

Signature of Internal Guide
Mr. Yogananda BE, M.Sc. Engg
Assistant Professor
Dept. of Civil Engineering

28/7/22

Signature of Coordinator
Mr. Abhilash D.T BE, M.Tech.
Assistant Professor
Dept. of Civil Engineering

28.7.2022

Signature of the HOD
Dr. M. Ramegowda BE, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering

28/7/2022

Signature of Coordinator
Mr. Goutham D.R BE, M.Tech
Assistant Professor
Dept. of Civil Engineering

Signature of Principal
Dr. C.T. Jayadeva B.E, M.Tech, Ph.D
Principal
A.I.T.Chikkamagaluru

External Examiners

Name of the Examiners

Signature with Date

1. Shruthi. C G

29/7/22

2. Dr. KIRAN B H

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

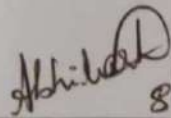
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

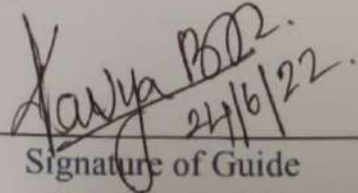
CERTIFICATE

Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SUJITH P (4AI18CV106), SUMANTH B J (4AI18CV107), THILAK PRASAD B M (4AI18CV110), POOJAN(4AI19CV411)** is a bonafidestudent of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in **Civil Engineering**, in **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the connections/suggestions indicated during the Internal Evaluation have been incorporated in the report.


8/7/22

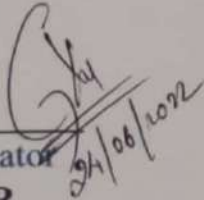
Signature of Coordinator

Mr. Abhilash D T
Assistant Professor


24/6/22

Signature of Guide

Mrs. Kavya B R
Assistant Professor


24/06/2022

Signature of Coordinator

Mr. Goutham D R
Assistant Professor


8.7.2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru



Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

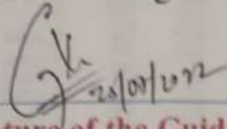
CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



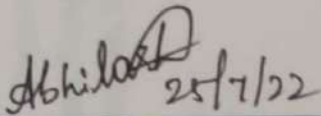
CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SUBHASH H M (4AI18CV105), RUGWANTH GOWDA M (4AI18CV122), VINUSHA C (4AI18CV117), SHASHANKA R (4AI19CV416)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


25/07/2022

Signature of the Guide

Mr. Goutham D R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering


25/7/22

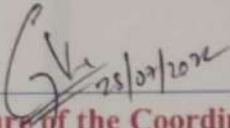
Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering




Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D
Professor and Head
Dept. of Civil Engineering


25/07/2022

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.
Assistant Professor
Dept. of Civil Engineering



Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D
Dr. C.T. JAYADEVA
Principal
Principal B.E, M.Tech, Ph.D.
AIT, Chikkamagaluru
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577102

External Viva

Name of the Examiners

1 Abhilash D.T
2 Chethan V.R

Signature with Date

1 Abhilash D.T 26/7/22
2 Chethan V.R

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the INTERNSHIP (18CVI85) carried out at CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru by DHARSHAN J S (4AI18CV037), HEMANTH H K(4AI18CV049), ANUSHA P PRABHU (4AI17CV005), CHIDANAND U (4AI18CV029) is a bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash 24/6/22
Signature of Coordinator
Mr. Abhilash D T
Assistant Professor

G R 25/05/2022
Signature of Coordinator
Mr. Goutham D R
Assistant Professor

Vijaya
Signature of Guide
Dr. Vijaya Kumar Y M
Associate Professor

M Rame Gowda 25-05-2022
Signature of HOD
Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru

Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102**

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



**DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE**

Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **ADRUSHYA K M (4AII8CV001)**, **G K PRAJWAL URS (4AII8CV045)**, **H D ROHITH (4AII8CV045)**, **CHETHAN NAAGVEER C (4AII9CV402)** is a Bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial Fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash 4/7/22

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

Chethan

Signature of Guide

Mr CHETHAN V R
Assistant Professor

G D R 1/07/2022

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

Rame Gowda 01/07/2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head

C T Jayadeva

Signature of Principal

Dr. C. T. JAYADEVA
Principal B.E., M.Tech., Ph.D.
Adichunchanagiri Institute of Technology
CHIKKAMAGALURU-577102

External Examiners

Name of the Examiners

1. _____
2. _____

Signature with Date

- _____
- _____

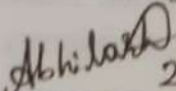
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

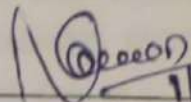
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

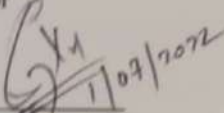


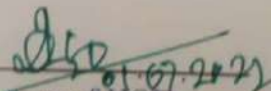
DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE

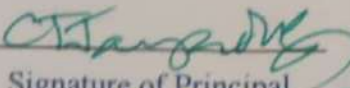
Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **CHANDANA B S (4AI18CV026)**, **CHETAN RACHAPPA KESARSBHAVI (4AI18CV027)**, **CHIRAG K P (4AI18CV031)**, **BHARATH S M (4AI18CV019)** is a Bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU, in partial Fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/suggestions indicated during the Internal Evaluation have been incorporated in the report.


24/6/22
Signature of Coordinator
Mr. Abhilash D T
Assistant Professor


11/07/2022
Signature of Guide
Mr NAVEEN KUMAR S M
Assistant Professor


11/07/2022
Signature of Coordinator
Mr. Goutham D R
Assistant Professor


11/07/2022
Signature of HOD
Dr. M Rame Gowda
Professor and Head


Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

External Examiners

Name of the Examiners

Signature with Date

1. _____

2. _____

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, Accredited by NBA, New Delhi)

CHIKKAMAGALURU - 577102

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

Certified that the Internship (18CVI85) entitled "**CONSTRUCTION MANAGEMENT**" is a bonafide work carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SEEMA N N (4AI18CV097), SANJAY T N (4AI18CV095), SUPRIYA K (4AI19CV418), SHASHIKUMAR K R (4AI19CV417)** bonafide students of Adichunchanagiri Institute Of Technology, Chikkamagaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in **CIVIL ENGINEERING**, in the **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the corrections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Signature of the Internal Guide

Mr. CHETHAN V R B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

28/7/22

Signature of the Coordinator

Mr. Abhilash D.T B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

28.7.2022

Signature of the HOD

Dr. M. Rame Gowda B.E, M.Tech, Ph.D

Professor and Head

Dept. of Civil Engineering

Signature of the Coordinator

Mr. Goutham D.R B.E, M.Tech.

Assistant Professor

Dept. of Civil Engineering

Signature of the Principal

Dr. C.T. Jayadeva B.E, M.Tech, Ph.D

Principal

AIT, Chikkamagaluru

External Viva

Name of the Examiners

1 C.T. Jayadeva

2

Signature with Date

1 28/7/22

2

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102

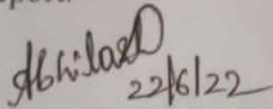
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

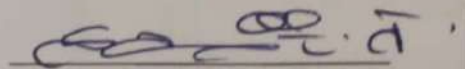
CERTIFICATE

Certified that the **INTERNSHIP (18CV185)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **SOHAIL SARDAR KHAN (4A118CV121), PRAMODH B R (4A118CV074), POOJA N (4A118CV070), SANJAY E (4A118CV093)** is a bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in **Civil Engineering**, in Visvesvaraya Technological University, Belagavi during the academic year **2021-2022**. It is certified that all the connections/suggestions indicated during the Internal Evaluation have been incorporated in the report.


22/6/22

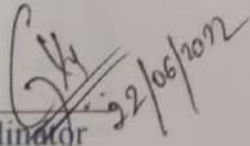
Signature of Coordinator

Mr. Abhilash D T
Assistant Professor



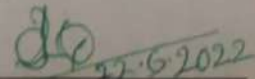
Signature of Guide

Mr. SANJITH J
Assistant Professor


22/06/2022

Signature of Coordinator

Mr. Goutham D R
Assistant Professor


22.6.2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head

Department of Civil Engineering
A.I.T. Chikkamagaluru



Signature of Principal

Dr. C T Jayadeva
Principal

A.I.T. Chikkamagaluru

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102**

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE, Bengaluru** by **Sandhya S S (4AI18CV090)**, **Premkumarnaik A (4AI18CV079)**, **Akhil Joseph (4AI19CV401)**, **Shashwath G S (4AI18CV101)** are bonafide students of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial fulfillment for the award of degree of Bachelor of Engineering in **Civil Engineering**, in **Visvesvaraya Technological University, Belagavi** during the academic year **2021-2022**. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash
28/6/22

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

Suyog H
26/6/22

Signature of Guide

Mr. Suyog H
Assistant Professor

Goutham D R
23/06/2022

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

M Rame Gowda
28-6-2022

Signature of HOD

Dr. M Rame Gowda
Professor and Head
Department of Civil Engineering
A.I.T. Chikkamagaluru

C T Jayadeva

Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)



DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

Certified that the **INTERNSHIP (17CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **DARSHANKUMAR J (4AI17CV015) GIRISH U K (4AI17CV024) PARIKSHITH H R (4AI17CV060) RAJATH D R (4AI17CV071)** is a Bonafide student of **ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU**, in partial Fulfilment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.

Abhilash
25/7/22

Signature of Coordinator

Mr. Abhilash D T
Assistant Professor

Ranjith

Signature of Guide

Mr. RANJITH P
Assistant Professor

Goutham
28/09/2022

Signature of Coordinator

Mr. Goutham D R
Assistant Professor

M Rame Gowda

Signature of In-charge
Dr. M Rame Gowda
Professor and Head

CT Jayadeva

Signature of Principal

Dr. C T Jayadeva
Principal
A.I.T.Chikkamagaluru

External Examiners

Name of the Examiners

1. *Abhilash D.T*
2. *Chethan V.R*

Signature with Date

Abhilash 25/7/22
Chethan 25/7/22

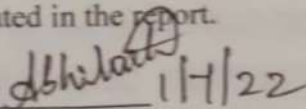
**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU – 577102**

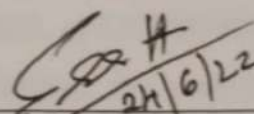
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

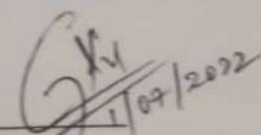


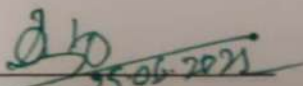
**DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE**

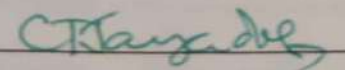
Certified that the **INTERNSHIP (18CVI85)** carried out at **CONSTRUCTION MANAGEMENT TRAINING INSTITUTE**, Bengaluru by **BHAVANA H V (4AI18CV020)**, **KARTHIK K (4AI19CV405)**, **MOHITH N RAJ (4AI17CV048)**, **LOHITH U R (4AI18CV058)** is a Bonafide student of ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU, in partial Fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering, in Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all the connections/ suggestions indicated during the Internal Evaluation have been incorporated in the report.


Signature of Coordinator
Mr. Abhilash D T
Assistant Professor


Signature of Guide
Mr. SUYOG H
Assistant Professor


Signature of Coordinator
Mr. Goutham D R
Assistant Professor


Signature of HOD
Dr. M Rame Gowda
Professor and Head


Signature of Principal
Dr. C T Jayadeva
Principal
A.I.T. Chikkamagaluru

External Examiners

Name of the Examiners

1. _____
2. _____

Signature with Date

- _____

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

CHIKMAGALUR.

DEPARTMENT OF CIVIL ENGINEERING.

GENERAL INSTRUCTIONS:

1. The Students should reach the work site by 7.30 a.m .and work up to 2.00 p.m in the site.
2. The various batches should work according to the time-table notified.
3. Each batch should have sufficient number of field books, drawing sheets, working sheets necessary for field and office works.
4. The student should possess drawing instruments, scales mini drafters, calculator for field and office work.
5. All the equipment drawn from the stores should be checked completely in all respects and defects, if any should be reported immediately before carrying it to the field.
6. Each Day's work should be plotted with details on the same day and the drawing sheets, field book etc., pertaining to survey conducted should be submitted for valuation on the same day.
7. Students should prepare measurement entry tables in advance before they commence the day work. All entries should be made in pencil.
8. All students should wear white paint, white shirt, proper head wear and foot-wear etc., during the survey work. They have to bring water bags to carry to field.
9. Playing cards, swimming, taking bath in tanks, ponds, streams, rivers etc., are strictly prohibited.
10. Attendance should be given to the camp officer each day before leaving for the work and at work site.
11. No Student is allowed to leave the camp without the permission of the camp officer . Attendance will be taken at 9.00 p.m. every day.
12. Student should keep separate inspection book for each batch to enable the staff members to write their remarks and any instruction on the field.
13. It is the responsibility of the camp secretaries to manage the camp affairs with the guidance of staff members.

14. Students have to conduct properly themselves in all respects with camp secretaries and the village people. Strict discipline should be maintained in camp area.
15. All the students should submit their individual project work for evaluation.

EV 609 SURVEY PROJECT

Project surveying involving investigation and design of the following projects are to be conducted by attending a survey camp two weeks duration, in the beginning of the semester and submitting field records, drawing, calculations and designs with reports:

1. An Irrigation Projects:-

(a) New Tank Project:-

- I) Longitudinal and cross section of build.
- II) Waste weir and sluice details.
- III) Channel Alignment drawings.
- IV) Capacity Contours and
- V) One Important cross drainage work from survey data.

(b) Restoration of tank Project:-

Longitudinal sections and waste weir cross sections and capacity contours.

2. Sanitary and Water Supply:-

- 1) Examination of sources of water supply for the village near to the camp. Calculation of quantity of water required for the village, pump-transmission and distribution System.
- 2) Underground drainage system surveys for laying the sewers. Calculations of diameters of the sewers. Design details should be reported along with working details.
3. A Highway Project:- Project work may be given to align or re-align an existing road between two given points. The required field work such as topographic surveying of strip of land for considering alternate routes and for final alignment, soil survey should be carried out. The project report justifying the selected alignment with details of all geometric designs based on C.B.R. test. The drawings to be prepared include key plan,

contour plans with existing details initial and alteration of road and pavement section details.

4. Trigonometric surveying:-

Plotting of triangulation stations with necessary data and calculation.

Note: - The project survey shall be conducted for a minimum of 14 days involving the above projects. the camp officer and HOD shall certify on the batch sheets to the effect that the students have attended the camp and have involved in conducting the survey. The students have to prepare individual drawing from the batch sheet and submit them to the examiner during examination. All the sheets have to be signed and certified by the camp officer and head of the department.

The project and drawing submitted by the student's for each project shall be valued along with the oral examination covering all the above 4 projects.

INVESTIGATION:

Metrological, hydrological and geological data, regarding a project is necessary for good planning.

The survey work for any irrigation projects includes

- 1) Preliminary survey, 2) detailed survey, 3) Location Survey

Preliminary investigation consists in collecting readily available data by inspection, enquiry and by doing preliminary field work. The report should show the following.

- a) The approximate amount of water normally available with their seasons of availability.
- b) Periods of deficient water supply.
- c) Technical feasibility of the project taking into consideration the commanded area , nature of its solid types of crops and all categories of demand for water and present and in future.
- d) Approximate cost of all the proposed work to know the economics of scheme

SURVEY WORK INCLUDES:

- a) Longitudinal and cross sections along the center line of bund.
- b) Capacity contours.
- c) Channel alignments.

a) Longitudinal and cross sections:-

The center line bund should be keeping the following points in view:

- I) The length of the bund at the proposed top level should be smallest.
- II) The volume of bund should be a minimum.
- III) There should be good foundation soil.
- IV) The natural diversion channel at the proposed waste weir is desirable.

Two flag post must be fixed at the end points of the proposed centre line and at elevation about 3 meters higher than the proposed top level of the bund. Intermediate post may then be fixed by ranging .

Equipment to be drawn:

- a) Level with Stand.
- b) Chain with Arrow
- c) Leveling Staff
- d) Tape
- e) Wooden Pegs to drive on the centerline at the 30 meter Intervals
- f) Ranging Rods
- g) Compass with Stand

Procedure:

- The level should be carried out to one end of the project from the permanent B.M Shown.

- Levels should be taken at 15 meters intervals on the centerline of the bund and cross section at every 30mts cross level have to be taken at 10mts intervals up to a length of 50 mts on either side.
- Levels should be taken at closer intervals 10 mtr at the river bed and weir position and cross section at every 15 mts.
- Permanent B.M.' should be left on the centerline wherever possible. Temporary B.M'S may left at intervals to facilitate taking cross section levels.
- Levels should also take at place where there is a change in slope.
- Trail pit should be excavated on the center line to determine the the nature of soil underground. The soil profile is also delineated by seeing the cross section of wells dug or any cutting, made near by.

Plot the longitudinal section to scale of 1 cm 10 mtr original and 1 cm = 1mtrs vertical. The L section should show top of bund level, M.W.L, F.T.L, Soil level, sluices and waste weir positions the depth of foundation positions of B.M ground profile in dotted line. R.L of ground points height of embankments at different points on the centerline. Data for the vertical plotting and also the total chain age along the center line .

Cross section should be plotted to scale 1cm=5mts. They show the details as incase of L Sections (Refer Above).

b) Capacity Contour:

This contour will help in finding out the capacity of the reservoirs.

In this project work, every batch is expected to trace M.W.L, F.T.L, Sill Level Mix contour between sill level a F.T.L, and D.B.L, contours.

The following equipment may be drawn from the stores:

1. Level with stand
2. Leveling Staff
3. Plane table with Stand
4. Allied

5. Chain with Arrows
6. Tape
7. Trough Compass
8. Steel Pegs for fixing station points of plans table
9. Ranging Rod

The following may be noted in the arrangement of field work:

- Starting from a B.M, Start leveling until the required elevation of contour of the center line of bund is obtained.
- On the plane table drawn the center line of bund and plot the plan of bund.
- Locate different points on the contour using the level and plot then on the plane table (Direct contouring).
- At list three check points should be taken n the water spread to verify the accuracy of plane table work.
- Type of land and crops, survey number of fields. Through which the contours passes, roads and other important features topography should be marked on the drawing sheet during the survey work.

The following equipments may be drawn to conduct the channel survey.

1. Level with stand
2. Leveling staff
3. Plane table with stand
4. Through compass
5. Chain with arrows
6. Wooden pegs to mark the alignment
7. Alidade
8. Ranging rods etc.,
9. Tape

Before aligning the channels the following points are to be noted.

1. The channel should be in cutting as far as possible
2. It should be aligned as contour channel until it meets the ridge and then aligned as a ridge channel.
3. There should be a free board of at least 0.5 m.
4. The channel should be straight as far as possible.
5. If curves are unavoidable, curves of large radius should be used. The minimum radius of the curve is not less than 20 times the bed width of the channel.
6. The depth of the cut should be minimum.
7. Transition curves have to be used between a straight and a curve and between curves, wherever necessary.
8. There should be little cross-drainage work as possible. If unavoidable the alignment should cross the valley at right angles.
9. If there is only one channel, the channel should preferably be aligned on the side opposite to the one where the wire is located.

Procedure:

1. Following contours (Sill level sluice and full supply depth free board) should be treated from the center line. Then the channel will be in cutting. The following gradient may be assumed 20 cm to 30 cm per chain length.
2. Trace the contour in the center line of the bund and mark it on the plane table also, walk along probable alignment and mark reconnaissance sketch of the area.
3. Allow a fall of 0 to 0.02 mts for every 30m length; trace the falling, contour drive pegs at 90m.
4. Cross sections have to be taken at every 90 mtr and / CS .levels at 15mts. intervals up to 60 mtr as either side. Sufficient distance should be covered to V/S and D/S such that an elevation of two mtr above and 2 mtr below. The level of the center line of the channel is reached.
5. As many check points as possible should be taken for the plan table work.

6. A longitudinal Section must be taken along the deepest portion of all drainage valleys crossed by the channel along with C/S at 30mtr intervals. At every change of direction and cross drainage works cross section must be taken at closer intervals.
7. Falling contour should be trace at least up to 2 km.
8. Final alignment should be marked on the sheet before it actually lay on the ground.

Draw the longitudinal section 1cm=10m horizontal and cross section 1cm=5m

1. Crop period and Base Period: Crop Period is a time, in days that a crop takes from the instant of its sowing to that of its harvest. Base period for a crop refers to the period of Cultivation from the time when irrigation water is issued for the preparation of the ground for planting the crops, to its first watering before harvesting.
2. Duty and outlet factor of the channel: Duty represent the irrigation capacity of a unit water. It is defined as aria irrigated by a discharge averaging on one unit for a specified number of days called base period of the duty. It is measured in hectares per cumme (cm.mtr per sec.). Duty is based on discharge pass through the channel and thus excluding all the losses in the channel system, is called the “outlet discharge factor” or “Our Let Factor”.
3. Delta: It is the total depth of the water required by a crop during the entire period the crop is in the field. It is equal to the $8.64 \text{ Base period} / \text{duty} = \text{mtr}$.
4. Cross commanded area, cultivable commanded area and intensity of irrigation: Cross commanded area is the total area lying between drainage boundaries which can be commanded and irrigated by a cannel system.

The total area lying between drainage boundaries which are actually irrigated is called the cultivable commanded area.

Intensity of irrigation is the area actually irrigated in any year to the cultivable commanded area.

Runoff of a catchment area in any specified period is the total quantity of water drainage in to stream or into a reservoir in that period. This can be expressed I) centimeters of water over a catchment or. ii) The total water in cubic meter or hectare meter for a given catchment. Run off calculated form mean annual rainfall (Which is the average total Rain Fall of several consecutive years usually 35 years) corresponds reading to a average bad years rainfalls(Which is the average of total Rainfall of several Consecutive years Usually 35 Years) calculating the yield from the catchment.

Maximum rate of rain fall or Flood discharge in any short period in a duration of several years (Usually 35 years) is utilized for estimating flood for which the waste weir has to be designed.

5. Full Tank Level (FTL) or Full Lake Level (FLL) and Maximum Water level:

Water in the tank is stored up to a level known as full lake level or full tank level. During flood, the full Lake level may be allowed to rise to certain maximum level called max. Water level (MWL) or High Flood Level. Top of Dam is kept above FTL and the vertical distance between Top of Dam and HFL is called free board.

6. Stored capacity of a Lake:

The Total quantity of water in a lake up to FTL is called gross storage capacity of lake. The quantity of water from soil of the lowest supply sluices to FTL is called live storage and the storage below this sill is called death Storage, because it cannot be taken out and used for irrigation. Some of the life storage is lost due to evaporation and absorption , the balance water is called available storage or effective capacity of lake as this is the net water in the lake that can be diverted for irrigation .

I.Computaion of runoff available for storage from a given catchment area

From the study of rain fall records for the given catchment area , the main annual rainfall is calculated . Then

$$= K \times P \times A.$$

Where K= run off coefficient=.2 for forest land, parks, pasture land.

P=Rain Fall in Mtr = $\frac{3}{4}$ X mean annual rain fall in meters.

A= catchment area in hectares.

1 acre=.4047 hectares = 0.4047 X 10⁴ Sq.meters.

1 Million C.ft=22.96 acres ft.

The above method is used for minor tanks only.

II) Capacity of Tanks:

(i) C-Storage available for irrigation.

$$C=F(h+D/3)-(SD/3) M^3$$

$$=F(N+D/3)-(SD/3) M^3$$

D= Depth of water spread from lowest.

Sill level to the DBL (Deep Bed Level) Meters.

H=Depth of water from FTL to lowest sill levels in meters

S= water spread at the lowest sill level of the sluices as read from the contour sketch of tank are calculated as below.

$$S=(d^2 /d+h) F$$

This is applicable only if DBL is below sill of the lowest sluice.

(ii) If A_1 is the area of tank bed at the level of the sill deepest sluice and A_2 , the area at FTL the effective capacity.

$$=H/S (A_1+A_2)\sqrt{A_1+A_2}$$

Where H is depth from FTL to the sill of the deepest sluice.

Sill: - The level of sill should be fixed such that the area to be commanded is affected and the flow will be due to gravitation.

Capacity of tank from the ach-cut area requiring development of ach-cut area that can be developed from the given capacity of tank:-

14000 m³/secs/hectares that is cumces /hectares i.e., 14000 cumces of storages is required for the season per hectare of ach-cut. From the known capacity of tank, the ach-cut development can be roughly calculated:

Conversely from the known area of ach-cut and the type crops grown the demand water at the sluice can be calculated. For Example.

Crop	base Period	Duty at the head of canal hectares/cumce.
Sugar Cane	320	580
Wheat	120	1600
Rice	120	800

$$\text{Volumes of water required for any crop} = \frac{\text{Area under the crop}}{\text{Duty}} = \text{Cumces}$$

For deferent crops, the total volume of water required of outlet to the channel is calculated

iv) Flood Discharge:

This is usually calculated from Ryve's Formula

$$\text{Flood Discharge} = CA^{2/3}$$

Where A= Area in SQ.km.

C= 6.75 for areas within 24km from the coast.

=8.45 for areas within 24 km-161km. from the coast.

=10.1 limited areas near hills.

$C=8.45$ may taken for the present case.

If the catchment area is the sum of interrupted and independent catchment areas, then ,

$$=CM^{2/3}-C_1m^{2/3}$$

Where M = Combined Catchment

M =interrupted catchment.

$$C_1=1/56C.$$

The length of the waste weir may be calculated by equating the flood discharge to $1.81 h^{3/2}$

Where H = difference in Level between MWL and FTL =.5 to .9 m.

Crest width of weir $=a=3h/2c$

C =Specific Gravity masonry = 2.4.

Fixing the Height of DAM :-

The limiting factor for the irrigation capacity of lake is usually the catchment area. When the suitable site of dam is selected after careful examination of all available sites. in such case , the catchment area for the dam site and its run off in average bad year are determined . The live storage in the lake should be about 1:1 time the run an average bad year.

This implies that the lake will always be full in an average bad year and nearly so in year of most desiccant rainfall. Find from the table or graph of live storage vs. the level of water in live storage. Such level fixes the likely FTL the depth of maximum flood above FTL is decided from the design of Surplus or waste water disposal works. This depth added to the FTL gives MWL adding Suitable Value of Free Board of MWL we get the RL of the dam.

VI Design of Cross Section of the Embankment:-

The Free Board and top Width for minor tanks for various depth of water below FTL is given below

Depth of deep bed below full tank level.	height of band Above Maximum Water Level	width of Top of Bund
1.5 m to 3.m	1m	1.25m
3m to 4.5 m	1.25m	1.5m
4.5m to 6.2m	1.5m	1.9m
Over 6.2m	1.9m	2.8m

Another rule is top width = $1/4$ (depth of water)

Provide Greater of the top width obtained above rules.

Restoration of old Tank Project:-

Importance of the Project:-

It is common Problem in almost all old tanks that the old tank fails to restore the required quantity of water for which it is intended to. Therefore, the duty for the the estimated land to be irrigated by this tank reduces. The main cause for the reduction in restoration capacity is silting. Due to exercise silting and inadequate height of bund directly reveals their incapability to restore required quantity of water.

So it is very important from the revenue point of view, also to restore the tank to its full capacity either by removing the silt or by increasing the condition of existing bund like, height, length, slopes and improving weir system, so as to make good for the land to be irrigated by this tank in the downstream.

Details of Existing Bund:

Details of existing bund namely, Location of the bund, details of bund, namely top width, and other details must be shown in plan,

The profile of the bund is noted. The height of the bund above the existing water level is noted.

The position and condition of waste weir is noted and suitable recommendation are made to increase the storage capacity.

Survey's to be conducted:

1. Compass traverse along the existing bund for getting detailed plan
2. Profile leveling and cross section along the bund.
3. Capacity contours up to required capacity for the estimation of storage.
4. Existing water spread contours.
5. Block level at waste weir

Equipment used:

1. Level with stand and level staff
2. Chainarrows and ranging rods
3. Metallic Tape
4. Prismatic compass with Stand
5. Plane table Equipments

Details to be collect:

- a) After fixing the starting point at one end of the existing bund line, conduct compass traverse among the centerline of existing of bund by locating bearing if chain line .
- b) Profile leveling has to be carried with compass traverse by taking staff reading at every 15m along the bund line for estimating earth fix.

- c) Cross section is also carried out at interval of 30mtrs. Along the chain line of 15 mtrs each on either side of bund line at every 5 mtr interval.
- d) The RL Of scatter water spread has to note.
- e) Capacity contour are done by indirect contouring using compass and level up to which storing is intended.
- f) Block leveling was done at the waste weir site for a block of 30m X 30m at 5m blocks.

Drawing To be prepared:

1. Detailed plan of Existing Bund.
2. Longitudinal Section of existing Bund Line.
3. Typical Cross Section
4. Capacity Contour
5. Block level at waste weir site

Attempt for restoration:

To increase the capacity of the old tanks, the following the recommendation have to be made:

- 1) The height of bund line has to be increased (this is roughly from .5 to 1.5m depending on the amount of capacity to be increased). After increasing the height then we have to calculate R.L of top of bund.
- 2) For this increase in cross section of bund, volume of earth work has to be calculated and also new storage capacity must be determined.
- 3) Since the R.L of top of bund has been increased relatively the height of waste weir must also be increased (This is also from 0.5 to 1.5 m).
- 4) The Upstream side slope of the bund may be given 2.5H to 1v or 3H to 1v and downstream side of the bund may be 1:1 or 1:2).
- 5) Lastly, the increase in storage capacity of the bund has to be calculated .

Road Project or Highway Project

Road Project Requires:-

1. A Reconnaissance Survey, 2) Detailed Survey, 3) Drainage, 4) Estimates, 5) Report Accompanying the estimate.

Equipments:

1. Level With Stand and Staff
2. Chain With Arrows
3. Tape
4. Ranging Rods
5. Prismatic Compass with Strand
6. Field Books, Level Books etc.,

Reconnaissance Survey:

Reconnaissance is carried out for:-

- a) Ascertaining the possibility of constructing a road between two terminal points, distance between the points not less than 2 km.
 - b) Choosing the best route to follow and recording it on a map
 - c) Drafting a report and estimating probable cost detailed surveys are done in two stages
- i) Preliminary location surveys.
 - ii) Final Location Surveys.

These surveys are carried out to determine the location of the centerline of the proposed highway giving due consideration to the functional and geometric design standards of the highway.

The Proposed road Lines partly in the mountainous Terrain and partly in the rolling Terrain. It has proposed to be built to the standards of major district roads.

The following points may be kept in view while aligning the roads.

- I) Cuttings and embankments must be balanced.
- II) Curves of large radius should be preferably used.
- III) As flat gradient as possible should be given in all curves
- IV) Super elevation should be given in all curves
- V) Transition curves between a curve and straight alignment are between curves must be used.
- VI) Vertical curves should be provided whenever the gradient changes.

A clear vision of 250 m horizontally and 1.5m vertically could be available at all points.

- VII) The alignment should be the most economical with minimum number of cross drainage works.

Vii the alignment should cross drainage valleys at right angles.

Procedure:

1. Walk along the probable aliignmrnt and make Reconnaissance sketch the area.
2. Align the road by means of a Ceylon Ghat tracer with a gradient not steeper than 1 in 20 (carry this procedure for hilly terrain only).
3. Drive pegs at 60m intervals along alignment.
4. Take longitudinal levels on center lines at every 15m and cross section at 30m intervals with cross levels at 30m center for a distance 45 m on either side.
5. Plot X the centre –line alignment on plan. (To Plot the center-line alignment on plan take bearings of 1 lines using prismatic compass).
6. Keeping above points in view regarding the alignment make the final alignment and get it approved by the staff members

Draw L- section along the final alignment to scale of 1cm=10m horizontal. 1cm=1m vertical. The plan should show levels of all ground points within the width of road land. Further it should show width of road way and pavement width. Grade, total chaining, cross drawing works, soil data, nature of terrain etc,

The L- section should show (i) the datum , (ii) The ground profile and the R. L ' s of ground point, (iii) The proposed grade adopted for final alignment, R.L's of the proposed grade , depth of cut R.height of bank, (iv) Total Chain age on the final location ,(v) Cross drawing Works etc.,

Draw the cross section of the road to scale 1cm-5m.

NOTE:

1. The Datum and ground lines are drawn in black ink and the ordinates as thin blue lines. The datum Level Should be written above the datum line. The chain age and the reduce level of the points should be written against the ordinates.
2. Center line of alignment on plan should be drawn in red ink only. Proper Conversions should be adopted to show the ground features of plan.

STATIONARY AND WATER SUPPLY PROJECT

During the Preparation of water supply and stationary with the following data are collected:

1. Geological Data: Geological data and survey of the ground water done in the vicinity of the area, to know the quantity of available water at various depths in the ground.
2. Hydrological Data: The Hydrological available source of surface water in the camp area is allocated to determine the quantity of water available in the surface source.
3. Stationary Conditions of the area: The stationary Conditions of the area and the data regarding possible source of water pollution are collected for deciding the preventive measures against them.
4. Topography of the area: Survey works done to the topographical map of the area showing elevation of various points, density of the population in various zones.
5. Legal Data of lands: Legal data of the lands to be purchase d or acquired for the construction of various units of water works are collected.

While collecting the above maintained data's following factors should be kept in view:

- | | |
|-----------------------------|-------------------------------|
| i) Population | viii) Existing water supply |
| ii) Per capital requirement | ix) Quality of water |
| iii) Source of water | x) pumping units required |
| iv) Conveyances of water | xi) Distribution system |
| v) Industries | xii) Economy and reliability. |
| Vi Public place and, Parks, | |

vii) Institutions etc,

PROJECT DRAWINGS

The following drawings should be prepared during Project Duration.

Topographical Map: The topographical Map of showing roads, location of water source , limit of town along with roads, layout plans of pipes of source to water works etc., is prepared on suitable scale.

Site plan: The site plan of the town showing location of the scheme and the area to be served is also prepared on a suitable scale.

3. Contour Map: The contour map of entire area is prepared on a scale of 1:100, showing the location of water mains, sub mains, pumping stations, service reservoirs, roads, streets, etc., is prepared. The contour lines are also drawn in site plan.

4. Block leveling of intake unit: A drawing showing the details of the area chosen for intake unit should be prepared.

5. Longitudinal section and cross-section details of underground drainage, units are also to be prepared.

PROJECT REPORT

After doing the survey work, the project report is written. The project report deals with the following points:

- a) Introducing of the projects
- b) Necessity of the improved, additional or new water supply scheme.
- c) The area of the town with population, industries, cattle to be served.
- d) The basis of calculation and allowance of water per capita.
- e) Future provisions in the project.
- f) The quality and quantity of raw water available in the selected sources for the project.
- g) Nature of the proposed water supply.
- h) The method of designing the pipe sizes and the formulas used.
- i) Design of all units of water works.
- j) The design of pumps annual cost of running the pumps.

- k) Design period of the scheme.

EQUIPMENTS NEEDED FOR THE WORK

- a) Level with stand.
- b) Leveling staff.
- c) Plane table with stand.
- d) Alidade.
- e) Chain with arrows.
- f) Tape.
- g) Through Compass.
- h) Steel pegs for fixing station points of plane table.
- i) Ranging rods.
- j) Field books and Level books.

TRIANGULATION SURVEYING

INTRODUCTION:

The execution of any project depends upon the accuracy with which the work is carried out. Trigonometrically surveying is the special branch of surveying which requires accuracy of the highest precision.

Trigonometrically survey is characterized by:

- a) Large distance and area.
- b) Uses of refined methods of observation and adjustments.
- c) Use of refined instruments.
- d) High precision.

Thus in trigonometric surveying, the main purpose is to train the students in the method of establishing control points where detailed survey is made and relative positions and elevation of the points on the surface are established. The control points should be accurate with respect to their positions and elevation.

TRIANGULATION:

Triangulation is based on trigonometrically proposition i.e., if one side and three angles are known then the remaining sides can be computed by sine rule.

Here suitable Trigonometric stations are selected and established through well conditioned triangles or quadrilaterals. These stations shall be at higher attitude to give proper visibility and command over a large area. All this triangulation should be inter visible.

In a system of such triangles, a line AB is accurately measured and computed. This line is called as “BASE LINE”.

The triangulation system can be classified according to degree of accuracy and magnitude of work as follows:

- a) Primary of first order triangulation.
- b) Secondary or second order triangulation
- c) Tertiary or third order triangulation.

BASE LINE MEASUREMENTS:

In triangulation survey the measurement of base line is of prime importance as the accuracy of the computed work of triangulation system depends on the accuracy with which the base line is measured.

While selecting the site for base line the following factors are considered:

- a) Site selected should be fairly level or uniformly sloping or gently undulating.
- b) It should be free from any obstruction throughout its length.
- c) Ground should be firm and smooth
- d) The site should be such that the whole length is laid out. The extremities of the base line should be inter visible at ground level.
- e) The site selected should form well conditioned triangle with other triangulation stations.

EQUIPMENT NECESSARY TO MEASURE BASELINE:

- a) An accurate the iolite.
- b) Steel tape and steel band.
- c) Precision level.
- d) Leveling staff
- e) Thermo meter.

Procedure:

Each batch is divided as measuring party and leveling party so as to carry out both the works simultaneously.

The leveling party with dumpy level has to carry out leveling works to get the R.L. of the pegs at bottom and top,. The leveling party is required to get the $R > L >$ of triangulation station signal points.

The measuring party stretches the steel bank between two pegs. A standard pull of (6 to 9 kgs) is given at one spring balances. The mean temperature of the tape is recorded at that instant of measurement.

The procedure is repeated for all the spans and the readings are tabulated. The procedure is repeated again from the reverse direction.

Care should be taken to prevent any settlement of pegs between the readings.

The base line distance or length is checked by means of the "SUBTENSE BAR"

SOURCES OF ERROR:

The errors in the base line measurement are due to those in observing readings, errors during the standardization of tape, steel band, accidental errors in the field due to uncertainly in reading the levels temperature, tensions sag, absolute length, slope etc.,

CORRECTIONS:

1. Corrections for absolute length of the tape.
2. Correction for pull.
3. Correction for sag.
4. Correction for temperature
5. Correction foe slope
6. Correction for M.S.L.(mean sea level)

The precision of the base line length depends on precise calculation of the above corrections.

1. Correction for absolute length of the tape:

This is necessary to overcome the inaccuracy in the specifically length of the tape used for measurements. This can be checked with the steel band and steel tape by lying side by side on a fairly level ground. Then the difference in their length is measured.

2. Correction for pull:

It is generally difficult to have a constant pull as that of a standard pull. The correction for pull is indicated as CP and is given by $CP = \frac{(P_m - P_0)L}{P_0}$

Where CP = correction for pull.

P_m = measured pull in kgs.

P_0 = standard pull in kgs.

L = measured length in m.

The correction may be positive or negative depending upon the pull applied during the measurement.

3. Correction for Sag:

The length of the base line is the horizontal distance between the base line stations. There should not be any sag in the tape due to its own weight. When held between two pegs. Since it increases the actual length between the pegs.

The correction for sag is $CS = \frac{W_T L^3}{24 P_m^2}$

Where W_T = Weight of the tape/unit length.

L = length measured.

P_m = Measured pull.

4. Correction for temperature:

Due to changes in temperature, there will be change in length of the tape. This may be positive or negative depending upon the temperature at which the tape is standardized.

The correction for Temp., is $C_t = L(T_m - T_0) \alpha$

Where T_m = Temperature during measurement.

α = Co-efficient of linear expansion.

L = measured length between pegs.

5. Correction for slope:

It is very difficult to obtain an absolutely level ground for the base line. This makes the measured length large than the actual length due to the measurement along the slope:

Therefore correction for slope $C_s = \frac{h^2}{2L}$

Where, h = difference in elevation between pegs.

L = measured length in m.

6. Correction for M.S.L:

The length measured at different levels or elevations are to be reduced to Mean Sea Level. The correction is always negative. It is given by:

$$C_{msl} = LH / R$$

Where, L = measured base length.

H = Average elevation of base line above m.s.l.

R = mean radius of the earth in m = 6366703.5 m

SATELLITE STATION

Satellite station is the temporary station established near a permanent object. If the instrument cannot be centered over a permanent object, the necessity of a satellite station arises. The horizontal distance between the station (satellite station) and the permanent station has to be computed from any of the known methods of survey. Horizontal angles are also measured from the satellite to all the trigonometric stations and the permanent object.

Ultimately from all the angles taken from the satellite the horizontal angles from the permanent object can be reduced.

Submission:

1. Selection of base line sites.
2. Measurement of base line and application of corrections.
3. Preliminary sketch showing the location of the trigonometric stations with reference to the area to be surveyed.
4. Angular measurements from each of the trigonometric stations.
5. Satellite stations and reductions to centre.
6. Plan and office computations complete.

Reading of Angles:

The methods are available for improving the accuracy of angle measurement.

- i) Repetition.
- ii) Reiteration

- i) Repetition: This consists in measuring single angles number of times say 'n' obtaining total angles X for 'n' reading by sighting back on first station with the top plate locked and the bottom plate free. The angle is given by x/n , A common number of repeat is six.
- ii) Reiteration: Normally consists in measuring all the angles subtended at a point successively in several rounds of angles.

Procedure is as follows:

- a) Set up and level the instrument at station 'c'
- b) Set up the verniers to read zero in the face left position and position the telescope towards station 'A'. Then swinging right, the instrument is pointed towards 'B' and the reading on the horizontal circle is noted.
- c) Stations C, D, E and finally A is then bisected ensuring in all cases that the direction of swing to the right is preserved.
- d) Change the face of the instrument.
- e) Take reading pointing-instrument on E, D, C and B always swinging the left.
This completes one set of readings.