



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with “A” grade by NAAC | 12B Status by UGC | Approved by AICTE

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119

www.sathyabama.ac.in

SCHOOL OF BUILDING AND ENVIRONMENT
DEPARTMENT OF ARCHITECTURE
PRACTICAL TRAINING PORTFOLIO
(SAR4063) **JANUARY 2023**

Name of the Student: Shunmuga Gayathri . S

Batch : **2018 - 2023**

Reg No. : 38210071

Semester : **X**



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SCHOOL OF BUILDING AND
ENVIRONMENT DEPARTMENT OF
ARCHITECTURE

VIVA-VOCE EXAMINATION

This is to certify that the practical training SAR 4063 is the work of **SHUNMUGA GAYATHRI.S** who had undergone training in **(C.R.NARAYANA RAO (CONSULTANTS) PRIVATE LIMITED)** has been monitored by the continuous assessment during JANUARY 2023 to MAY 2023.

Dr. Devyani Gangopadhyay
DEAN

Submitted for Viva voce Examination held on: 09 JUNE 2023.

Internal Examiner

External Examiner

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to **Board of Management of SATHYABAMA** for their kind encouragement in doing this practical training and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. Devyani Gangopadhyay**, Dean, School of Building and Environment and **Ar.Sarath Chandra Kanth**, Design Chair, Department of Architecture for having been a constant source of support and encouragement.

I wish to express my thanks to all Teaching and Non-teaching staff members of the Department of who were helpful in many ways for the completion of the project.

I also wish to thank **Ar. Tamilarasan. N** , for the experience of interning at their firm.



Shunmuga Gayathri <ssgpu2001@gmail.com>

confirmation letter - your internship

V.S. Krishna Murthy <krishnamurthy.vs@crn.co.in>
To: ssgpu2001@gmail.com <ssgpu2001@gmail.com>
Cc: CNS-Accounts <CNS-Accounts@crn.co.in>

Fri, 23 Dec 2022 at 3:30 PM

Dear Shanmuga Gayathri .s

We hereby confirm your internship from JAN 2023 to APRIL 2023 at our office.

Please acknowledge the receipt of the mail and if you have any query call me 044-43441139.

while coming bring the following ,

1. resume
 2. passport size photo 1 no
 3. bonafide from college-original
 4. printout of confirmation letter which is sent by me
 5. your bank details/pass book front page xerox
- Thanks and regards,

V.S. Krishnamurthy
Senior Co-Ordinator - Facilities

C. R. Narayana Rao (Consultants) Private Limited



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Mylapore, Chennai - 600 004.
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IGBC MEMBER

Founder:

C. R. Narayana Rao
B.E., F.I.E., M.A.E., M.Cons.E., F.I.V.

Managing Directors:

Dr. C. N. Srinivasan
B.Tech., (Hons.), M.S. (ILL.), Ph.D., M.Am. Soc.C.E.,
F.I.E., F.I.V., Chartered Engineer-Regd. Architect

C. N. Raghavendran
B.Arch. (Hons.), M.Arch. (CALIF.), F.I.I.A.,
Intl. Assoc. A.I.A., Regd. Architect

C. R. NARAYANA RAO (CONSULTANTS) PRIVATE LIMITED



CIN: U01212TN1975PTC006890

Registered Office: No. 10, Karpagambal Nagar, Mylapore, Chennai - 600 004, India.
T: +91-44-43441100 F: +91-44-24991318 E: crn@crn.co.in W: www.crn.co.in

January 20, 2023

The Dean
School of Building and Environment
Sathyabama Institute of Science and Technology
Rajiv Gandhi salai, chennai – 600119

Dear Sir / Madam,

Sub: Practical Training

Ref: Your Letter dt 22 December 2022

This is to confirm that **Ms. Shanmuga Gayathri.S** (Reg. No. 38210071), 10th
Semester, B. Arch, student of your college has joined to undergo Practical
Training in our organisation on January 18, 2023

This is for your kind information.

Thanking you,

Yours faithfully,
for **M/s. C.R.Narayana Rao (Consultants) Private Limited**

Authorised Signatory



design | interiors | engineering | construction management

Branch Office: No. 23, 5th Main,
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MONTHLY REPORT 1



SATHYABAMA
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PROFESSIONAL PRACTICAL TRAINING REPORT 2023

(Monthly Progress to be documented and submitted to the HOD by the Architect in charge of Trainee of the Organization)

- Name of the Office / Organization : C.R. NARAYANA RAO (CONSULTANTS) PVT. LTD.
- Address & Contact Number : MYLAPORE, 044-43441139
- Name of the Student : S. SHUNMUGA GAYATHRI
- Duration : From 18-01-2023 To 18-02-2023
- Total No. of days : 20/25 days - 5 days leave
- Evaluation of Performance Criteria shall be on

Description of works	Excellent	Good	Fair	Poor	NA
Office Culture Comprehension	✓				
Participation in the Office	✓				
Reading of Drawings	✓				
Presentation Techniques	✓				
Model Making		✓			✓
Understanding of Construction Details		✓			
Drafting Skills (Manual/Computer)		✓			
Site Supervision / Client Interaction Skills					✓
Time Schedule Adherence	✓				
Other Computer Skills		✓			
Files and Office Maintenance	✓				
Coordination with other Consultants					✓
Overall Grading*	91/100				

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month*

7. Any other Remarks:

Signature of the Head of the Office / Organization (With Seal)



MONTHLY REPORT 2



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PROFESSIONAL PRACTICAL TRAINING REPORT 2023

(Monthly Progress to be documented and submitted to the HOD by the Architect in charge of Trainee of the Organization)

- Name of the Office / Organization : C.R. NARAYANA RAO (CONSULTANTS) PVT. LTD.
- Address & Contact Number : MYLAPORE, 044-43441139
- Name of the Student : S. SHUNMUGA GAYATHRI
- Duration : From 18-02-2023 To 17-03-2023
- Total No. of days : 21/24 days - 3 days sick
- Evaluation of Performance Criteria shall be on

Description of works	Excellent	Good	Fair	Poor	NA
Office Culture Comprehension	✓				
Participation in the Office	✓				
Reading of Drawings	✓				
Presentation Techniques	✓				
Model Making	3D ✓				
Understanding of Construction Details	✓				
Drafting Skills (Manual/Computer)	✓				
Site Supervision / Client Interaction Skills					NA
Time Schedule Adherence	✓				
Other Computer Skills	✓				
Files and Office Maintenance	✓				
Coordination with other Consultants	✓				
Overall Grading*	89/90				

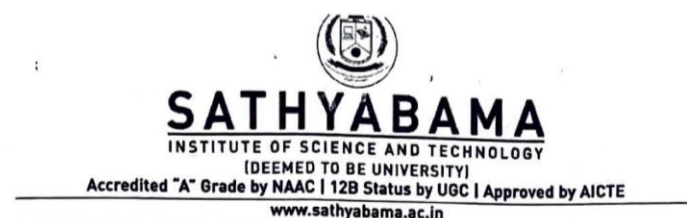
* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month*

7. Any other Remarks:

Signature of the Head of the Office / Organization (With Seal)



MONTHLY REPORT 3



PROFESSIONAL PRACTICAL TRAINING REPORT 2023

(Monthly Progress to be documented and submitted to the HOD by the Architect in charge of Trainee of the Organization)

- Name of the Office / Organization : C.R. NARAYANA RAO (CONSULTANTS)
- Address & Contact Number : MYLAPORE, 044-43441137
- Name of the Student : S. SHUNMUGA GAYATHRI
- Duration : From 17-03-2023 To 16-04-2023
- Total No. of days : 28/29 days - 1 day leave
- Evaluation of Performance Criteria shall be on

Description of works	Excellent	Good	Fair	Poor	NA
Office Culture Comprehension	✓				
Participation in the Office	✓				
Reading of Drawings	✓				
Presentation Techniques	✓				
Model Making	✓				
Understanding of Construction Details	✓				
Drafting Skills (Manual/Computer)	✓				
Site Supervision / Client Interaction Skills					NA
Time Schedule Adherence	✓				
Other Computer Skills	✓				
Files and Office Maintenance	✓				
Coordination with other Consultants					NA
Overall Grading*	95				

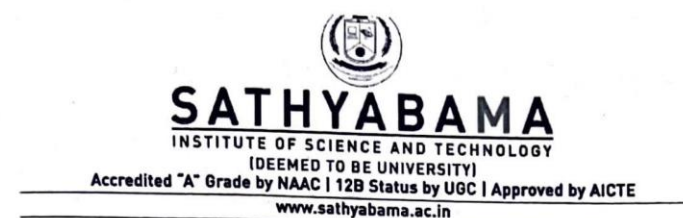
* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month*

7. Any other Remarks:

Signature of the Head of the Office / Organization (With Seal)



MONTHLY REPORT 4



PROFESSIONAL PRACTICAL TRAINING REPORT 2023

(Monthly Progress to be documented and submitted to the HOD by the Architect in charge of Trainee of the Organization)

- Name of the Office / Organization : C.R. NARAYANA RAO (CONSULTANTS)
- Address & Contact Number : MYLAPORE, 044-43441137
- Name of the Student : S. SHUNMUGA GAYATHRI
- Duration : From 17-04-2023 To 10-05-2023
- Total No. of days : 18/20 days - 2 days leave
- Evaluation of Performance Criteria shall be on

Description of works	Excellent	Good	Fair	Poor	NA
Office Culture Comprehension	✓				
Participation in the Office	✓				
Reading of Drawings	✓				
Presentation Techniques	✓				
Model Making	✓				
Understanding of Construction Details	✓				
Drafting Skills (Manual/Computer)	✓				
Site Supervision / Client Interaction Skills					NA
Time Schedule Adherence	✓				
Other Computer Skills	✓				
Files and Office Maintenance	✓				
Coordination with other Consultants					NA
Overall Grading*	94				

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month*

7. Any other Remarks:

Signature of the Head of the Office / Organization (With Seal)



WORK DIARY

S.NO	PROJECT NAME	WORK DONE
1	PAGE INDUSTRIES & HILTI	ADMIN BLOCK INTERIOR PRESENTATION
2	PAGE INDUSTRIES & HILTI	ADMIN BLOCK INTERIOR PRESENTATION
3	HILTI	ADMIN BLOCK INTERIOR PRESENTATION
4	HILTI	Presentation for admin block interior design
6	PAGE INDUSTRIES, DGNB	Landscape presentation for page, DHNB excel sheet
7	HILTI	LANDSCAPE DESIGN
8	PAGE INDUSTRIES & HILTI	LANDSCAPE DESIGN
9	HILTI	LANDSCAPE DESIGN
10	HILTI	LANDSCAPE DESIGN
11	HILTI	PAVER BLOCK DETAIL
12	HILTI	PAVER BLOCK DETAIL
13	HILTI	PAVER BLOCK DETAIL, RE-DESIGN FOR LANDSCAPE
14	HILTI	PAVER BLOCK DETAIL, RE-DESIGN FOR LANDSCAPE
15	HILTI	PAVER BLOCK DETAIL, RE-DESIGN FOR LANDSCAPE
16	HILTI	SOIL SEALANT SHEET
17	HILTI	SOIL SEALANT PRESENTATION
18	HILTI	SOIL SEALING FACTOR
19	HILTI	HILTI - DGNB PRESENTATION
20	HILTI	HILTI - DGNB PRESENTATION
21	SIPCOT	SIPCOT PRESENTATION
22	SIPCOT	SIPCOT PRESENTATION
23	HILTI	SECURITY ROOM & TOILET DETAIL
24	HILTI, SIPCOT	SECURITY ROOM FLOOR DETAILING, SIPCOT PRESENTATION
25	HILTI, SIPCOT	SECURITY ROOM JOINERY DETAIL, SIPCOT PRESENTATION
26	HILTI, SIPCOT	SECURITY ROOM DETAILING
27	ELCOT	INTERIOR DESIGN PRESENTATION
28	ELCOT	INTERIOR DESIGN PRESENTATION
29	ELCOT, HILTI	INTERIOR DESIGN PRESENTATION, VIEWS PRESENTATION
30	HILTI, SIPCOT	VIEWS PRESENTATION, SIPCOT AREA PRESENTATION

WORK DIARY

31	HILTI, SIPCOT	AIR TIGHTNESS PRESENTATION, SIPCOT PRESENTATION
32	HILTI	AIR TIGHTNESS PRESENTATION
33	HILTI	AIR TIGHTNESS PRESENTATION
34	HILTI	AIR TIGHTNESS, LANDSCAPE, PAVER PATTERN
35	HILTI	HILTI LANDSCAPE, AND MODEL
36	HILTI	LANDSCAPE DESIGN
37	HILTI	LANDSCAPE DESIGN, AIR TIGHTNESS PPT
38	HILTI	LANDSCAPE DESIGN
39	HILTI	LANDSCAPE DESIGN
40	HILTI	LANDSCAPE DESIGN, DGNB PRESENTATION
41	HILTI	LANDSCAPE DESIGN
42	HILTI	LANDSCAPE DESIGN
43	HILTI	LANDSCAPE, PAVER BLOCK DETAIL
44	SIPCOT	TOILET AND JOINERY DETAIL
45	HILTI	LANDSCAPE DESIGN
46	HILTI	LANDSCAPE DESIGN
47	SIPCOT	TOILET AND JOINERY DETAIL
48	SIPCOT	RAMP AND JOINERY DETAIL
49	SIPCOT	RAMP AND JOINERY DETAIL
50	SIPCOT	TOILET AND JOINERY DETAIL
51	SIPCOT	SECTION AND ELEVATION
52	SIPCOT	SECTION AND ELEVATION
53	SIPCOT	FLOOR PLAN
54	SIPCOT, HILTI	FLOOR PLAN, FAÇADE AND COMPOUND WALL PPT
55	PAGE INDUSTRIES	MEETING ROOM
56	PAGE INDUSTRIES, SIPCOT	TRAINING ROOM, RAMP DETAIL
57	PAGE INDUSTRIES	TRAINING ROOM
58	PAGE INDUSTRIES	TRAINING ROOM
59	PAGE INDUSTRIES	CONFERENCE ROOM
60	PAGE INDUSTRIES	CONFERENCE ROOM

WORK DIARY

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64	SIPCOT, PAGE INDUSTRIES	FLOOR PLAN, RECREATION ROOM
65	SIPCOT, PAGE INDUSTRIES	FLOOR PLAN, HEAD ROOM
66	HILTI, PAGE INDUSTRIES	LANDSCAPE, RECREATION ROOM
67	PAGE INDUSTRIES	SBU HEAD, TRAINING ROOM
68	SIPCOT	FLOOR PLAN, RAMP DETAIL
69	SIPCOT	FLOOR PLAN
70	SIPCOT	FLOOR PLAN
71	PAGE INDUSTRIES	REVISION (SBU, MEETING, CONFERENCE ROOM)
72	PAGE INDUSTRIES	SBU BLOCK INTERIOR
73	PAGE INDUSTRIES	SBU BLOCK INTERIOR
74	PAGE INDUSTRIES	SBU BLOCK INTERIOR
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76	PAGE INDUSTRIES	SBU BLOCK INTERIOR
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79	PAGE INDUSTRIES	RECREATION, CONFERENCE
80	PAGE INDUSTRIES	SBU INTERIOR
81	PAGE INDUSTRIES	SBU INTERIOR
82	PAGE INDUSTRIES	SBU INTERIOR
83	PAGE INDUSTRIES	SBU INTERIOR
84	PAGE INDUSTRIES	SBU INTERIOR
85	PAGE INDUSTRIES	SBU INTERIOR
86	PAGE INDUSTRIES	SBU INTERIOR
87	PAGE INDUSTRIES	SBU INTERIOR
88	PAGE INDUSTRIES	SBU INTERIOR
89	PAGE INDUSTRIES	SBU INTERIOR
90	PAGE INDUSTRIES	SBU INTERIOR

CONSOLIDATED CERTIFICATE

Founder:

C. R. Narayana Rao

B.E., F.I.E., M.A.E., M.Cons.E., F.I.V.

Managing Directors:

Dr. C. N. Srinivasan

B.Tech., (Hons.), M.S. (ILL.), Ph.D., M.Am. Soc.C.E.,
F.I.E., F.I.V., Chartered Engineer-Regd. Architect

C. N. Raghavendran

B.Arch. (Hons.), M.Arch. (CALIF.), F.I.I.A.,
Intl. Assoc. A.I.A., Regd. Architect

C. R. NARAYANA RAO (CONSULTANTS) PRIVATE LIMITED



C R NARAYANA RAO

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May 10, 2023

The Dean,

Department of Architecture,

Sathyabama Institute of Science and Technology,

Jeppiaar Nagar, Rajiv Gandhi Salai,

Chennai, 600119.

Dear Sir/Ma'am,

This is to certify that **Ms. SHUNMUGA GAYATHRI. S** (38210071) B.Arch., 5th Year, Xth Semester, student of the Sathyabama institute of science and technology has successfully completed her Practical Training in our organization from 18 January 2023 to 10 May 2023.

During her tenure, she was involved in the following projects:

- HILTI AT MANJUSAR, DIST - VADODARA, GUJARAT.
- PAGE INDUSTRIES Ltd - ODISHA.
- SIPCOT - VALLAM VADAGAL, CHENNAI, TAMIL NADU.
- ELCOT - I.T. SEZ AT THIRUNELVELI, TAMIL NADU.

Thanking you,

Yours faithfully,

For M/s. C.R. Narayana Rao (Consultants) Private Limited

Authorised Signatory

design | interiors | engineering | construction management

Branch Office: No. 23, 5th Main,
Malleshwaram, Bangalore - 560 003, India.
T: +91 80 23369237 F: +91 80 23569890
E: crnblr@crn.co.in W: www.crn.co.in



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1.1 ABOUT THE FIRM:

- C. R. Narayana Rao is an ISO 9001-2008 certified firm of reputed architects and engineers based in Chennai. Founded in 1945, CRN has been a major player in designing the urban landscape in India and cities across the world.
- Their expertise has garnered us architectural accolades in diverse sectors - industrial, corporate, residential, educational, interiors, mixed use and commercial. In India and across the globe, each of our projects stands as a monument to our tradition of excellence.
- They offer our clients a gamut of extensive services ranging from comprehensive design to construction management. We have conceptualized and executed diverse projects of various magnitudes world over. Our overseas experience includes assignments in Sri Lanka, Indonesia, Malaysia, UAE, Zambia, Bangladesh, Maldives, Nepal, Mauritius and Guyana.
- Their team of qualified staff is complemented by state of the art, in-house design and drafting facilities and software to cater to all our project requirements.