



# KRISHNASAMY

College of

## ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604

🌐 www.kcet.in

✉ info@kcet.in

### NAAC DVV CLARIFICATION – METRIC LEVEL

#### **Criterion 3 - Research, Innovations and Extension**

**3.5.1 Number of functional MoUs / linkages with institutions / industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years**

**Response: 88**

**HEI Input:**

2022-23	2021-22	2020-21	2019-20	2018-19
26	15	30	08	09

<b>DVV Clarifications</b>	<b>HEI Response</b>
Provide copies of MoUs, collaboration agreements, or related documents that show the nature of collaboration and activities, sorted by year. Also, include a list of activities carried out under each MoU, along with their start and completion dates, signed by both parties for each year.	The Number of MoUs have been already uploaded in the SSR. Further the document for the metric is given hereunder:

3.5.1. Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
<b>LIST OF ACTIVITIES UNDER MoUs AY 2018-2023</b>							
1	Tamilnadu Skills Development Corporation	IBM Developer Skills Network	2023	Linkage Project work	6 months	<a href="http://kcet.in/wp-content/uploads/2024/07/01-IBM.pdf">kcet.in/wp-content/uploads/2024/07/01-IBM.pdf</a>	<a href="http://kcet.in/wp-content/uploads/2024/07/01-IBM.pdf">kcet.in/wp-content/uploads/2024/07/01-IBM.pdf</a>
2	GD Builders, Pondicherry	GD Builders, Pondicherry	2023	MOU- Industrial visit	5 years	<a href="http://kcet.in/wp-content/uploads/2024/07/02-16.06.2023-GD-Builders.pdf">kcet.in/wp-content/uploads/2024/07/02-16.06.2023-GD-Builders.pdf</a>	<a href="http://kcet.in/wp-content/uploads/2024/07/02-16.06.2023-GD-Builders.pdf">kcet.in/wp-content/uploads/2024/07/02-16.06.2023-GD-Builders.pdf</a>
3	Data flair Web Services Pvt Ltd	Data flair Web Services Pvt Ltd., Indore, Madhya Pradesh	2023	MOU- Industrial visit	5 years	<a href="http://kcet.in/wp-content/uploads/2024/07/03-03.05.2023-Data-Flair.pdf">kcet.in/wp-content/uploads/2024/07/03-03.05.2023-Data-Flair.pdf</a>	<a href="http://kcet.in/wp-content/uploads/2024/07/03-03.05.2023-Data-Flair.pdf">kcet.in/wp-content/uploads/2024/07/03-03.05.2023-Data-Flair.pdf</a>
4	Veena TextChem Industries	VEENA TextChem Industries,Puducherry	2022	MOU- Industrial visit	5 years	<a href="http://kcet.in/wp-content/uploads/2024/07/04-12.10.2022-Veena.pdf">kcet.in/wp-content/uploads/2024/07/04-12.10.2022-Veena.pdf</a>	<a href="http://kcet.in/wp-content/uploads/2024/07/04-12.10.2022-Veena.pdf">kcet.in/wp-content/uploads/2024/07/04-12.10.2022-Veena.pdf</a>
5	Disposal of E-waste material, Cuddalore	Disposal of E-waste material, Cuddalore	2023	MOU- Industrial visit	5 years	<a href="http://05-06.02.2023-e-waste.pdf">05-06.02.2023-e-waste.pdf (kcet.in)</a>	<a href="http://05-06.02.2023-e-waste.pdf">05-06.02.2023-e-waste.pdf (kcet.in)</a>
6	Jeevan Ready Mix Concrete Plant, Cuddalore	Jeevan Ready Mix Concrete Plant, Cuddalore	2023	MOU- Industrial visit	5 years	<a href="http://06-19.01.2023-Jeevan-MOU.pdf">06-19.01.2023-Jeevan-MOU.pdf (kcet.in)</a>	<a href="http://06-19.01.2023-Jeevan-MOU.pdf">06-19.01.2023-Jeevan-MOU.pdf (kcet.in)</a>
7	SSP Engineering Services, Puducherry	SSP Engineering Services, Puducherry	2023	MOU- Industrial visit	5 years	<a href="http://07-27.04.2022-SSP-Engineering-services.pdf">07-27.04.2022-SSP-Engineering-services.pdf (kcet.in)</a>	<a href="http://07-27.04.2022-SSP-Engineering-services.pdf">07-27.04.2022-SSP-Engineering-services.pdf (kcet.in)</a>
8	Ohmtronixs, Pammal, Chennai	Ohmtronixs, Pammal, Chennai	2023	MOU- Industrial visit	5 years	<a href="http://08-28.09.2021-Ohmtronixs.pdf">08-28.09.2021-Ohmtronixs.pdf (kcet.in)</a>	<a href="http://08-28.09.2021-Ohmtronixs.pdf">08-28.09.2021-Ohmtronixs.pdf (kcet.in)</a>

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
9	Hemalathaa Hi- Tech Industries, Cuddalore	Hemalathaa Hi- Tech Industries, Cuddalore	2022	MOU- Industrial visit	5 years	<a href="#">09-27.05.2019-Hemalatha-Hi-tech.pdf (kcet.in)</a>	<a href="#">09-27.05.2019-Hemalatha-Hi-tech.pdf (kcet.in)</a>
10	Triple Tech Soft LLP, Pondicherry	Triple Tech Soft LLP, Pondicherry	2022	MOU- Industrial visit	5 years	<a href="#">10-21.09.2021-Triple-Tech.pdf (kcet.in)</a>	<a href="#">10-21.09.2021-Triple-Tech.pdf (kcet.in)</a>
11	Sree Venkateswaraa Plastics, Cuddalore	Sree Venkateswaraa Plastics, Cuddalore	2022	MOU- Industrial visit	5 years	<a href="#">11-20.09.2021-Sree-venkateshwara-plastics.pdf (kcet.in)</a>	<a href="#">11-20.09.2021-Sree-venkateshwara-plastics.pdf (kcet.in)</a>
12	Wintech Global Service, Pondicheery	Wintech Global Service, Pondicheery	2022	MOU- Industrial visit	5 years	<a href="#">12-14.09.2021-Wintech.pdf (kcet.in)</a>	<a href="#">12-14.09.2021-Wintech.pdf (kcet.in)</a>

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
13	NextGen Solutions	NextGen Solutions	2022	MOU- Industrial visit	5 years	<a href="#">13-13.09.2021-NextGen.pdf (kcet.in)</a>	<a href="#">13-13.09.2021-NextGen.pdf (kcet.in)</a>
14	Hexcon Info Tech	Hexcon Info Tech	2022	MOU- Industrial visit	5 years	<a href="#">14-13.09.2021-Hexcon-infotech.pdf (kcet.in)</a>	<a href="#">14-13.09.2021-Hexcon-infotech.pdf (kcet.in)</a>
15	Majestic Builders	Majestic Builders, Cuddalore	2021	MOU- Industrial visit	5 years	<a href="#">15-21.04.2021-majestic-builders.pdf (kcet.in)</a>	<a href="#">15-21.04.2021-majestic-builders.pdf (kcet.in)</a>
16	Lakshmi Builders	Lakshmi Builders	2021	MOU- Industrial visit	5 years	<a href="#">16-15.04.2021-laxmi-builders.pdf (kcet.in)</a>	<a href="#">16-15.04.2021-laxmi-builders.pdf (kcet.in)</a>
17	Pantech E Learning, Chennai	Pantech E Learning, Chennai	2022	MOU- Industrial visit	2 years	<a href="#">kcet.in/wp-content/uploads/2024/07/17-30.03.2022-Pantech.pdf</a>	<a href="#">kcet.in/wp-content/uploads/2024/07/17-30.03.2022-Pantech.pdf</a>
18	SLR Energy	SLR Energy,Pethankuppam	2022	MOU- Industrial visit	5 years	<a href="#">18-12.06.2022-Slr.pdf (kcet.in)</a>	<a href="#">18-12.06.2022-Slr.pdf (kcet.in)</a>
19	First Logic Automation, Chennai	First Logic Automation, Chennai	2017	MOU- Industrial visit	5 years	<a href="#">19-06.06.17-First-Logic.pdf (kcet.in)</a>	<a href="#">19-06.06.17-First-Logic.pdf (kcet.in)</a>
20	Presto Land survey Institute	Presto Land survey Institute	2019	MOU- Industrial visit	5 years	<a href="#">20-10.03.2020-Presto.pdf (kcet.in)</a>	<a href="#">20-10.03.2020-Presto.pdf (kcet.in)</a>
21	Sri Manakula Vinayagar Engineering College	Sri Manakula Vinayagar Engineering College, Pondicherry	2019	MOU- Share and Mentor Institutions Scheme	3 years	<a href="#">21-SMVEC-MOU.pdf (kcet.in)</a>	<a href="#">21-SMVEC-MOU.pdf (kcet.in)</a>



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## ACADEMIC YEAR (2022-2023)

1. Students attended the course on Tamilnadu skills development corporation powered by IBM



**Student project certificate in collaboration with IBM**



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This is to certify that

**BAKIYALAKSHMI R** **2/34**

successfully completed and received a passing grade in

## Project on Sentiment Analysis of Commodity News (Gold)

(NMADS08EN, provided by TNSDC)

A course on [tnsdc.skillsnetwork.site](https://tnsdc.skillsnetwork.site)  
Powered by IBM Developer Skills Network.

Issued by  
**TamilNadu Skills Development Corporation**

Jagadisha Bhar  
Country Manager - Software Services  
IBM India Pvt Ltd

**July 10, 2023**

Authenticity of this certificate can be validated by going to:

**Student project Certificate in collaboration with IBM**



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### 2. Industrial Visit by Department of Civil Engineering visited **GD Builders Plant** at Pondicherry on 16.06.2023



#### Demo session for mass concreting to the students

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
Anand Nagar, S. Kumarapuram, Cuddalore - 607 109.  
Department of Civil Engineering

S. No.	Matr.No.	Name of the Candidate	Signature
1	42132040001	ANBARASAN	A. Anbarasan
2	42132040002	KANAR AJA	K. Kanar Aja
3	42132040003	DAYATHRI	D. Dayathri
4	42132040004	NEELAS ANANDH	N. Neelas Anandh
5	42132040005	PRERANJA	P. Preranja
6	42132040006	BAGULI	B. Baguli
7	42132040007	SAVANDEVA	S. Savandeva
8	42132040008	BOGAN	B. Bogan
9	42132040009	SANTHOSH	S. Santhosh
10	42132040010	SANTHOSH KUNAR	S. Santhosh Kunar
11	42132040011	SEELARAJAN	S. Seelarajan
12	42132040012	VANAR ARAVATHI	V. Vanar Aravathi
13	42132040013	SAIFUL KHAN	S. Saiful Khan
14	42132040014	ASHWANTHI	A. Ashwanti
15	42132040015	HACAD	H. Hacad
16	42132040016	HEMITHA	H. Hemitha
17	42132040017	DHARATHIRAMAN	D. Dhharathiraman
18	42132040018	DHANARAJ	D. Dhhanaraj
19	42132040019	GURUJA	G. Guruja
20	42132040020	KANAKANI	K. Kanakani
21	42132040021	KIRAN/SHIVAKAN	K. Kiran/SHIVAKAN
22	42132040022	LAVANJA	L. Lavanja
23	42132040023	MALAVIKA	M. Malavika
24	42132040024	NOORUZHAN	N. Nooruzhan
25	42132040025	NIHITA	N. NiHita
26	42132040026	BAGULI KANNAN	B. Baguli Kannan
27	42132040027	SANTHOSHAN	S. Santhoshan
28	42132040028	REKHA	R. Rekha
29	42132040029	VARDIN	V. Vardin
30	42132040030	VENKATESH	V. Venkatesh
31	42132040031	VENKATESH	V. Venkatesh

Students attendance



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### 3. Students undergone training program at **Data Flair Web Series Pvt. Ltd**



**Students training certificate**





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### 4. Industrial Visit by Department of Electrical and Electronics Engineering students at **Veena Texchem Industries** Kurumbapet, Puducherry, on 19.05.2023



Students photo

#### KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY Anand Nagar, S.Kumarapuram Cuddalore 607109

College Code / Name : 401/ANANDNAGAR COLLEGE OF ENGINEERING AND TECHNOLOGY  
Branch Code / Name : 001 - Electrical and Electronics Engineering  
Year / Sem : 1/1/2023

Sl. No.	Reg. No.	NAME OF THE STUDENT	STUDENT SIGNATURE
1	421320105001	ADARSH	A. Adarsh
2	421320105002	AKASH	A. Akash
3	421320105003	ANANDHARAJ	A. Anandharaj
4	421320105004	ANANDHARAJ	A. Anandharaj
5	421320105005	ANANDHARAJ	A. Anandharaj
6	421320105006	ANANDHARAJ	A. Anandharaj
7	421320105007	ANANDHARAJ	A. Anandharaj
8	421320105008	ANANDHARAJ	A. Anandharaj
9	421320105009	ANANDHARAJ	A. Anandharaj
10	421320105010	ANANDHARAJ	A. Anandharaj
11	421320105011	ANANDHARAJ	A. Anandharaj
12	421320105012	ANANDHARAJ	A. Anandharaj
13	421320105013	ANANDHARAJ	A. Anandharaj
14	421320105014	ANANDHARAJ	A. Anandharaj
15	421320105015	ANANDHARAJ	A. Anandharaj
16	421320105016	ANANDHARAJ	A. Anandharaj
17	421320105017	ANANDHARAJ	A. Anandharaj
18	421320105018	ANANDHARAJ	A. Anandharaj
19	421320105019	ANANDHARAJ	A. Anandharaj
20	421320105020	ANANDHARAJ	A. Anandharaj
21	421320105021	ANANDHARAJ	A. Anandharaj
22	421320105022	ANANDHARAJ	A. Anandharaj
23	421320105023	ANANDHARAJ	A. Anandharaj
24	421320105024	ANANDHARAJ	A. Anandharaj
25	421320105025	ANANDHARAJ	A. Anandharaj
26	421320105026	ANANDHARAJ	A. Anandharaj
27	421320105027	ANANDHARAJ	A. Anandharaj
28	421320105028	ANANDHARAJ	A. Anandharaj
29	421320105029	ANANDHARAJ	A. Anandharaj
30	421320105030	ANANDHARAJ	A. Anandharaj
31	421320105031	ANANDHARAJ	A. Anandharaj
32	421320105032	ANANDHARAJ	A. Anandharaj
33	421320105033	ANANDHARAJ	A. Anandharaj
34	421320105034	ANANDHARAJ	A. Anandharaj
35	421320105035	ANANDHARAJ	A. Anandharaj
36	421320105036	ANANDHARAJ	A. Anandharaj
37	421320105037	ANANDHARAJ	A. Anandharaj
38	421320105038	ANANDHARAJ	A. Anandharaj
39	421320105039	ANANDHARAJ	A. Anandharaj
40	421320105040	ANANDHARAJ	A. Anandharaj
41	421320105041	ANANDHARAJ	A. Anandharaj
42	421320105042	ANANDHARAJ	A. Anandharaj
43	421320105043	ANANDHARAJ	A. Anandharaj
44	421320105044	ANANDHARAJ	A. Anandharaj
45	421320105045	ANANDHARAJ	A. Anandharaj
46	421320105046	ANANDHARAJ	A. Anandharaj
47	421320105047	ANANDHARAJ	A. Anandharaj

Sl. No.	Reg. No.	NAME OF THE STUDENT	STUDENT SIGNATURE
32	421320105034	VISHVA	V. Vishva
33	421320105031	AKASH	A. Akash
34	421320105042	ANANDHARAJ	A. Anandharaj
35	421320105043	KARJUN	K. Karjun
36	421320105034	BALAJI	B. Balaji
37	421320105045	BALAJI	B. Balaji
38	421320105047	HARISH	H. Harish
39	421320105048	HEMASHREE	H. Hemashree
40	421320105049	JOSHYA RESHMI	J. Reshmi
41	421320105010	MOHAMMED FAHEEM	M. Faheem
42	421320105012	PRAKASH	P. Prakash
43	421320105013	SAI SARAVANANANI	S. Saravananani
44	421320105014	SANJAI	S. Sanjai
45	421320105015	SARAN	S. Saran
46	421320105016	SUNILKUMAR	S. Sunilkumar
47	421320105017	NEEVA	N. Neeva

Students attendance



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## **5. Disposal of E-Waste Material at Cuddalore, MoU signed on 06.02.2023**



**Students handed over the E- waste**



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## 6. Industrial Visit by Department of Civil Engineering visited Jeevan Ready Mix Concrete Plant at Cuddalore on 28.01.2023



**Students Photo**



DEPARTMENT OF CIVIL ENGINEERING

**Student Attendance List of Year**

SL.No.	Reg. No.	NAME		SIGNATURE
1	42132210001	ANBARANI	M	<i>[Signature]</i>
2	42132210002	ARULKOTIV	S	<i>[Signature]</i>
3	42132210003	ASWIN	M	<i>[Signature]</i>
4	42132210004	DROVAKHAR	U	<i>[Signature]</i>
5	42132210005	HAJA MOHIDEEN	M	<i>[Signature]</i>
6	42132210006	JANANI SHI	G	<i>[Signature]</i>
7	42132210007	KANAKKID	S	<i>[Signature]</i>
8	42132210008	KISHORE	J	<i>[Signature]</i>
9	42132210009	MOHAMMED SUHAINA	A	<i>[Signature]</i>
10	42132210010	PONNI	D	<i>[Signature]</i>
11	42132210011	PRAVIN	O	<i>[Signature]</i>
12	42132210012	RAGHUV GANDEH	K	<i>[Signature]</i>
13	42132210013	SANTHYA	G	<i>[Signature]</i>
14	42132210014	SARANYA	R	<i>[Signature]</i>
15	42132210015	SUBANJINI	S	<i>[Signature]</i>
16	42132210016	SUPPULAKSHMI	S	<i>[Signature]</i>

**Students attendance**



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### 7. Industrial Visit by Department of Mechanical Engineering students at **SSP Engineering** services Pondicherry, on 18.01.2022



**Students photo**



**KRISHNASAMY COLLEGE OF ENGINEERING AND TECHNOLOGY**  
ANAND NAGAR, S. KUMARAPURAM, CUDDALORE - 607 109, TAMIL NADU

**INDUSTRIAL VISIT STUDENTS ATTENDANCE SHEET**

Branch Code/Name : 19 - Mechanical Engineering  
YEAR / SEM / DIV

Sl.No	REG NO.	NAME OF THE STUDENT	STUDENT SIGNATURE
1	4112014001	ABHIRAM	[Signature]
2	4112014002	ADARSH	[Signature]
3	4112014003	BALAN C ARJUN	[Signature]
4	4112014004	BALAKRISHNAN	[Signature]
5	4112014005	BALASUBRAMANIAM	[Signature]
6	4112014006	CHANDRASEKAR	[Signature]
7	4112014007	CHANDRASEKAR	[Signature]
8	4112014008	CHANDRASEKAR	[Signature]
9	4112014009	CHANDRASEKAR	[Signature]
10	4112014010	CHANDRASEKAR	[Signature]
11	4112014011	CHANDRASEKAR	[Signature]
12	4112014012	CHANDRASEKAR	[Signature]
13	4112014013	CHANDRASEKAR	[Signature]
14	4112014014	CHANDRASEKAR	[Signature]
15	4112014015	CHANDRASEKAR	[Signature]
16	4112014016	CHANDRASEKAR	[Signature]
17	4112014017	CHANDRASEKAR	[Signature]
18	4112014018	CHANDRASEKAR	[Signature]
19	4112014019	CHANDRASEKAR	[Signature]
20	4112014020	CHANDRASEKAR	[Signature]
21	4112014021	CHANDRASEKAR	[Signature]
22	4112014022	CHANDRASEKAR	[Signature]
23	4112014023	CHANDRASEKAR	[Signature]
24	4112014024	CHANDRASEKAR	[Signature]
25	4112014025	CHANDRASEKAR	[Signature]
26	4112014026	CHANDRASEKAR	[Signature]
27	4112014027	CHANDRASEKAR	[Signature]
28	4112014028	CHANDRASEKAR	[Signature]
29	4112014029	CHANDRASEKAR	[Signature]
30	4112014030	CHANDRASEKAR	[Signature]

Sl.No	REG NO.	NAME OF THE STUDENT	STUDENT SIGNATURE
26	4112014031	CHANDRASEKAR	[Signature]
27	4112014032	CHANDRASEKAR	[Signature]
28	4112014033	CHANDRASEKAR	[Signature]
29	4112014034	CHANDRASEKAR	[Signature]
30	4112014035	CHANDRASEKAR	[Signature]
31	4112014036	CHANDRASEKAR	[Signature]
32	4112014037	CHANDRASEKAR	[Signature]
33	4112014038	CHANDRASEKAR	[Signature]
34	4112014039	CHANDRASEKAR	[Signature]
35	4112014040	CHANDRASEKAR	[Signature]
36	4112014041	CHANDRASEKAR	[Signature]
37	4112014042	CHANDRASEKAR	[Signature]
38	4112014043	CHANDRASEKAR	[Signature]
39	4112014044	CHANDRASEKAR	[Signature]
40	4112014045	CHANDRASEKAR	[Signature]
41	4112014046	CHANDRASEKAR	[Signature]
42	4112014047	CHANDRASEKAR	[Signature]
43	4112014048	CHANDRASEKAR	[Signature]
44	4112014049	CHANDRASEKAR	[Signature]
45	4112014050	CHANDRASEKAR	[Signature]
46	4112014051	CHANDRASEKAR	[Signature]
47	4112014052	CHANDRASEKAR	[Signature]
48	4112014053	CHANDRASEKAR	[Signature]
49	4112014054	CHANDRASEKAR	[Signature]
50	4112014055	CHANDRASEKAR	[Signature]

**Students attendance**



# KRISHNASAMY

## College of ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University  
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.  
☎ (04142) 285 601 - 604    🌐 www.kcet.in    ✉ info@kcet.in

### 8. Industrial Visit by Department of Electronics and Communication Engineering students at **Ohmtronix**, Pammal, Chennai, on 27.05.2022



**Interaction session with industrial professional**

KRISHNASAMY  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
Anand Nagar, S. Kumarapuram, Cuddalore - 607 109,  
Department of Electronics and Communication Engineering  
STUDENT NAME LIST

S.NO	REG NO	NAME	Signature
1	421210001	AAJAY	A. Ajay
2	421210002	ABHIRAM	A. Abhiram
3	421210003	ADARSH	A. Adarsh
4	421210004	ADITHYAN	A. Adithyan
5	421210005	ADITHYAN	A. Adithyan
6	421210006	ADITHYAN	A. Adithyan
7	421210007	ADITHYAN	A. Adithyan
8	421210008	ADITHYAN	A. Adithyan
9	421210009	ADITHYAN	A. Adithyan
10	421210010	ADITHYAN	A. Adithyan
11	421210011	ADITHYAN	A. Adithyan
12	421210012	ADITHYAN	A. Adithyan
13	421210013	ADITHYAN	A. Adithyan
14	421210014	ADITHYAN	A. Adithyan
15	421210015	ADITHYAN	A. Adithyan
16	421210016	ADITHYAN	A. Adithyan
17	421210017	ADITHYAN	A. Adithyan
18	421210018	ADITHYAN	A. Adithyan
19	421210019	ADITHYAN	A. Adithyan
20	421210020	ADITHYAN	A. Adithyan
21	421210021	ADITHYAN	A. Adithyan
22	421210022	ADITHYAN	A. Adithyan
23	421210023	ADITHYAN	A. Adithyan
24	421210024	ADITHYAN	A. Adithyan
25	421210025	ADITHYAN	A. Adithyan
26	421210026	ADITHYAN	A. Adithyan
27	421210027	ADITHYAN	A. Adithyan
28	421210028	ADITHYAN	A. Adithyan
29	421210029	ADITHYAN	A. Adithyan
30	421210030	ADITHYAN	A. Adithyan

S.NO	REG NO	NAME	Signature
31	421210031	ADITHYAN	A. Adithyan
32	421210032	ADITHYAN	A. Adithyan
33	421210033	ADITHYAN	A. Adithyan
34	421210034	ADITHYAN	A. Adithyan
35	421210035	ADITHYAN	A. Adithyan
36	421210036	ADITHYAN	A. Adithyan
37	421210037	ADITHYAN	A. Adithyan
38	421210038	ADITHYAN	A. Adithyan
39	421210039	ADITHYAN	A. Adithyan
40	421210040	ADITHYAN	A. Adithyan
41	421210041	ADITHYAN	A. Adithyan
42	421210042	ADITHYAN	A. Adithyan
43	421210043	ADITHYAN	A. Adithyan
44	421210044	ADITHYAN	A. Adithyan
45	421210045	ADITHYAN	A. Adithyan
46	421210046	ADITHYAN	A. Adithyan
47	421210047	ADITHYAN	A. Adithyan
48	421210048	ADITHYAN	A. Adithyan
49	421210049	ADITHYAN	A. Adithyan
50	421210050	ADITHYAN	A. Adithyan

**Students attendance**



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### 9. Industrial Visit by Department of Mechanical Engineering students at Hemalathaa Hi-Tech Industries, Cuddalore, on 29.04.2022



**Demonstration by the industrial professional**



Sl No.	Reg No.	Student Name	Signature
1	421317114001	ANGADI	[Signature]
2	421317114002	ARUN PRASATH	[Signature]
3	421317114003	CHIDAMBARAM	[Signature]
4	421317114004	CHIDAMBARAM	[Signature]
5	421317114005	CHIDAMBARAM	[Signature]
6	421317114006	CHIDAMBARAM	[Signature]
7	421317114007	CHIDAMBARAM	[Signature]
8	421317114008	CHIDAMBARAM	[Signature]
9	421317114009	CHIDAMBARAM	[Signature]
10	421317114010	CHIDAMBARAM	[Signature]
11	421317114011	CHIDAMBARAM	[Signature]
12	421317114012	CHIDAMBARAM	[Signature]
13	421317114013	CHIDAMBARAM	[Signature]
14	421317114014	CHIDAMBARAM	[Signature]
15	421317114015	CHIDAMBARAM	[Signature]
16	421317114016	CHIDAMBARAM	[Signature]
17	421317114017	CHIDAMBARAM	[Signature]
18	421317114018	CHIDAMBARAM	[Signature]
19	421317114019	CHIDAMBARAM	[Signature]
20	421317114020	CHIDAMBARAM	[Signature]
21	421317114021	CHIDAMBARAM	[Signature]
22	421317114022	CHIDAMBARAM	[Signature]
23	421317114023	CHIDAMBARAM	[Signature]
24	421317114024	CHIDAMBARAM	[Signature]
25	421317114025	CHIDAMBARAM	[Signature]
26	421317114026	CHIDAMBARAM	[Signature]
27	421317114027	CHIDAMBARAM	[Signature]
28	421317114028	CHIDAMBARAM	[Signature]
29	421317114029	CHIDAMBARAM	[Signature]
30	421317114030	CHIDAMBARAM	[Signature]

27	421317114036	SIVA	R	[Signature]
28	421317114037	SRIIVASARAO	M	[Signature]
29	421317114038	VARATHARAJAN	K	[Signature]
30	421317114039	VIKRAM	V	[Signature]
31	421317114041	VIVEKANANDAN	M	[Signature]
32	421317114301	ABISHBEK	A	[Signature]
33	421317114302	ABI SHASACHIN	J	[Signature]
34	421317114304	MOHAMED LATHEEF	L	[Signature]
35	421317114305	NAWASSHAREEF	H	[Signature]
36	421317114306	SANTRANA BARATHI	U	[Signature]
37	421317114307	SIVARAMURUGAN	V	[Signature]
38	421317114308	THEERUNAVUKARASU	V	[Signature]
39	421317114701	MOHAMMED NOORUDEEN	N	[Signature]
40	421317114702	THAMBIXRAI	D	[Signature]
41	421317114703	MOHAMMED ALI RIFFAIS	B	[Signature]

**Students attendance**



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### 10. Industrial visit by Department of Computer Science and Engineering students at Triple Tech Soft LLP, Pondicherry on 08.04.2022



Conversation with technical expert



#### KRISHNASAMY ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

YEAR / SEM / 21/22

S. NO	REG. NO.	NAME OF THE STUDENT	SIGNATURE
1	4112200004	ARATHI S	Arathi S
2	4112200005	ARAVINDA S	Aravinda S
3	4112200006	ARAVINDA S	Aravinda S
4	4112200007	ARAVINDA S	Aravinda S
5	4112200008	ARAVINDA S	Aravinda S
6	4112200009	ARAVINDA S	Aravinda S
7	4112200010	ARAVINDA S	Aravinda S
8	4112200011	ARAVINDA S	Aravinda S
9	4112200012	ARAVINDA S	Aravinda S
10	4112200013	ARAVINDA S	Aravinda S
11	4112200014	ARAVINDA S	Aravinda S
12	4112200015	ARAVINDA S	Aravinda S
13	4112200016	ARAVINDA S	Aravinda S
14	4112200017	ARAVINDA S	Aravinda S
15	4112200018	ARAVINDA S	Aravinda S
16	4112200019	ARAVINDA S	Aravinda S
17	4112200020	ARAVINDA S	Aravinda S
18	4112200021	ARAVINDA S	Aravinda S
19	4112200022	ARAVINDA S	Aravinda S
20	4112200023	ARAVINDA S	Aravinda S
21	4112200024	ARAVINDA S	Aravinda S
22	4112200025	ARAVINDA S	Aravinda S
23	4112200026	ARAVINDA S	Aravinda S
24	4112200027	ARAVINDA S	Aravinda S
25	4112200028	ARAVINDA S	Aravinda S
26	4112200029	ARAVINDA S	Aravinda S
27	4112200030	ARAVINDA S	Aravinda S
28	4112200031	ARAVINDA S	Aravinda S
29	4112200032	ARAVINDA S	Aravinda S
30	4112200033	ARAVINDA S	Aravinda S

S. NO	REG. NO.	NAME OF THE STUDENT	SIGNATURE
31	4112200034	ARAVINDA S	Aravinda S
32	4112200035	ARAVINDA S	Aravinda S
33	4112200036	ARAVINDA S	Aravinda S
34	4112200037	ARAVINDA S	Aravinda S
35	4112200038	ARAVINDA S	Aravinda S
36	4112200039	ARAVINDA S	Aravinda S
37	4112200040	ARAVINDA S	Aravinda S
38	4112200041	ARAVINDA S	Aravinda S
39	4112200042	ARAVINDA S	Aravinda S
40	4112200043	ARAVINDA S	Aravinda S
41	4112200044	ARAVINDA S	Aravinda S
42	4112200045	ARAVINDA S	Aravinda S
43	4112200046	ARAVINDA S	Aravinda S
44	4112200047	ARAVINDA S	Aravinda S
45	4112200048	ARAVINDA S	Aravinda S
46	4112200049	ARAVINDA S	Aravinda S
47	4112200050	ARAVINDA S	Aravinda S
48	4112200051	ARAVINDA S	Aravinda S
49	4112200052	ARAVINDA S	Aravinda S
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51	4112200054	ARAVINDA S	Aravinda S
52	4112200055	ARAVINDA S	Aravinda S
53	4112200056	ARAVINDA S	Aravinda S
54	4112200057	ARAVINDA S	Aravinda S
55	4112200058	ARAVINDA S	Aravinda S
56	4112200059	ARAVINDA S	Aravinda S
57	4112200060	ARAVINDA S	Aravinda S
58	4112200061	ARAVINDA S	Aravinda S
59	4112200062	ARAVINDA S	Aravinda S
60	4112200063	ARAVINDA S	Aravinda S

Students attendance



# KRISHNASAMY

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### II. Industrial Visit by Department of Mechanical Engineering students at Sri Venkateshwara Plastics Pvt. Ltd., Puducherry, on 23.03.2022.



**Students photo**

KRISHNASAMY COLLEGE OF ENGINEERING AND TECHNOLOGY		INDUSTRIAL VISIT ATTENDANCE SHEET	
Sri Venkateshwara Plastics Pvt. Ltd., Puducherry			
Sl. No.	NAME	ROLL NO.	ATTENDANCE
1	ABHIRAM	19ME0101	A
2	ADARSH	19ME0102	B
3	ADARSH	19ME0103	B
4	ADARSH	19ME0104	B
5	ADARSH	19ME0105	B
6	ADARSH	19ME0106	B
7	ADARSH	19ME0107	B
8	ADARSH	19ME0108	B
9	ADARSH	19ME0109	B
10	ADARSH	19ME0110	B
11	ADARSH	19ME0111	B
12	ADARSH	19ME0112	B
13	ADARSH	19ME0113	B
14	ADARSH	19ME0114	B
15	ADARSH	19ME0115	B
16	ADARSH	19ME0116	B
17	ADARSH	19ME0117	B
18	ADARSH	19ME0118	B
19	ADARSH	19ME0119	B
20	ADARSH	19ME0120	B
21	ADARSH	19ME0121	B
22	ADARSH	19ME0122	B
23	ADARSH	19ME0123	B
24	ADARSH	19ME0124	B
25	ADARSH	19ME0125	B

Sl. No.	NAME	ROLL NO.	ATTENDANCE
1	ADARSH	19ME0101	A
2	ADARSH	19ME0102	B
3	ADARSH	19ME0103	B
4	ADARSH	19ME0104	B
5	ADARSH	19ME0105	B
6	ADARSH	19ME0106	B
7	ADARSH	19ME0107	B
8	ADARSH	19ME0108	B
9	ADARSH	19ME0109	B
10	ADARSH	19ME0110	B
11	ADARSH	19ME0111	B
12	ADARSH	19ME0112	B
13	ADARSH	19ME0113	B
14	ADARSH	19ME0114	B
15	ADARSH	19ME0115	B
16	ADARSH	19ME0116	B
17	ADARSH	19ME0117	B
18	ADARSH	19ME0118	B
19	ADARSH	19ME0119	B
20	ADARSH	19ME0120	B
21	ADARSH	19ME0121	B
22	ADARSH	19ME0122	B
23	ADARSH	19ME0123	B
24	ADARSH	19ME0124	B
25	ADARSH	19ME0125	B

**Students attendance**





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### 12. Industrial Visit by Department of Master of Computer Applications students at **Wintech Global Service, Pondicherry, on 17.03.2022**



**Students Photo**

Sl. No.	Roll No.	Name	Sign
1			
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**Students attendance**



# KRISHNASAMY

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**ENGINEERING & TECHNOLOGY**

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### 13. Industrial visit by Department of Electronics and Communication Engineering visited **NextGen solutions**, Puducherry on 08.03.2022



**Demonstration session by the industrial professional with students**

KRISHNASAMY UNIVERSITY OF ENGINEERING & TECHNOLOGY			
Department of Electronics and Communication Engineering			
Date: 08.03.2022			
PAGE NO. 1/1			
Sl. No.	Roll No.	Name of the Student	Signature
1	21EE00001	ABHIRAM	[Signature]
2	21EE00002	ADARSH	[Signature]
3	21EE00003	ADARSH	[Signature]
4	21EE00004	ADARSH	[Signature]
5	21EE00005	ADARSH	[Signature]
6	21EE00006	ADARSH	[Signature]
7	21EE00007	ADARSH	[Signature]
8	21EE00008	ADARSH	[Signature]
9	21EE00009	ADARSH	[Signature]
10	21EE00010	ADARSH	[Signature]
11	21EE00011	ADARSH	[Signature]
12	21EE00012	ADARSH	[Signature]
13	21EE00013	ADARSH	[Signature]
14	21EE00014	ADARSH	[Signature]
15	21EE00015	ADARSH	[Signature]
16	21EE00016	ADARSH	[Signature]
17	21EE00017	ADARSH	[Signature]
18	21EE00018	ADARSH	[Signature]
19	21EE00019	ADARSH	[Signature]
20	21EE00020	ADARSH	[Signature]
21	21EE00021	ADARSH	[Signature]
22	21EE00022	ADARSH	[Signature]
23	21EE00023	ADARSH	[Signature]
24	21EE00024	ADARSH	[Signature]
25	21EE00025	ADARSH	[Signature]
26	21EE00026	ADARSH	[Signature]
27	21EE00027	ADARSH	[Signature]
28	21EE00028	ADARSH	[Signature]
29	21EE00029	ADARSH	[Signature]
30	21EE00030	ADARSH	[Signature]
31	21EE00031	ADARSH	[Signature]
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42	21EE00042	ADARSH	[Signature]
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46	21EE00046	ADARSH	[Signature]
47	21EE00047	ADARSH	[Signature]
48	21EE00048	ADARSH	[Signature]
49	21EE00049	ADARSH	[Signature]
50	21EE00050	ADARSH	[Signature]

Sl. No.	Roll No.	Name of the Student	Signature
1	21EE00001	ABHIRAM	[Signature]
2	21EE00002	ADARSH	[Signature]
3	21EE00003	ADARSH	[Signature]
4	21EE00004	ADARSH	[Signature]
5	21EE00005	ADARSH	[Signature]
6	21EE00006	ADARSH	[Signature]
7	21EE00007	ADARSH	[Signature]
8	21EE00008	ADARSH	[Signature]
9	21EE00009	ADARSH	[Signature]
10	21EE00010	ADARSH	[Signature]
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12	21EE00012	ADARSH	[Signature]
13	21EE00013	ADARSH	[Signature]
14	21EE00014	ADARSH	[Signature]
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16	21EE00016	ADARSH	[Signature]
17	21EE00017	ADARSH	[Signature]
18	21EE00018	ADARSH	[Signature]
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42	21EE00042	ADARSH	[Signature]
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44	21EE00044	ADARSH	[Signature]
45	21EE00045	ADARSH	[Signature]
46	21EE00046	ADARSH	[Signature]
47	21EE00047	ADARSH	[Signature]
48	21EE00048	ADARSH	[Signature]
49	21EE00049	ADARSH	[Signature]
50	21EE00050	ADARSH	[Signature]

**Students attendance**



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### 14. Industrial Visit by Department of Master of Computer Applications students at Hexcon Info Technologies, Chennai, on 24.02.2022



**Students photo**

**KRISHNASAMY COLLEGE OF ENGINEERING AND TECHNOLOGY**  
ANAND NAGAR, S. KUMARAPURAM, CUDDALORE - 607 109  
**DEPARTMENT OF COMPUTER APPLICATIONS (MCA)**

Year: I & II

NAME LIST FOR INDUSTRIAL VISIT

S.No	Reg.No.	Name	Sign
1	4012042001	JAYARAJAN	[Signature]
2	4012042002	ANITHA	[Signature]
3	4012042003	ANITHA	[Signature]
4	4012042004	ANITHA	[Signature]
5	4012042005	ANITHA	[Signature]
6	4012042006	ANITHA	[Signature]
7	4012042007	ANITHA	[Signature]
8	4012042008	ANITHA	[Signature]
9	4012042009	ANITHA	[Signature]
10	4012042010	ANITHA	[Signature]
11	4012042011	ANITHA	[Signature]
12	4012042012	ANITHA	[Signature]
13	4012042013	ANITHA	[Signature]
14	4012042014	ANITHA	[Signature]
15	4012042015	ANITHA	[Signature]
16	4012042016	ANITHA	[Signature]
17	4012042017	ANITHA	[Signature]
18	4012042018	ANITHA	[Signature]
19	4012042019	ANITHA	[Signature]
20	4012042020	ANITHA	[Signature]
21	4012042021	ANITHA	[Signature]
22	4012042022	ANITHA	[Signature]
23	4012042023	ANITHA	[Signature]
24	4012042024	ANITHA	[Signature]
25	4012042025	ANITHA	[Signature]
26	4012042026	ANITHA	[Signature]
27	4012042027	ANITHA	[Signature]
28	4012042028	ANITHA	[Signature]
29	4012042029	ANITHA	[Signature]
30	4012042030	ANITHA	[Signature]
31	4012042031	ANITHA	[Signature]
32	4012042032	ANITHA	[Signature]
33	4012042033	ANITHA	[Signature]
34	4012042034	ANITHA	[Signature]
35	4012042035	ANITHA	[Signature]
36	4012042036	ANITHA	[Signature]
37	4012042037	ANITHA	[Signature]
38	4012042038	ANITHA	[Signature]
39	4012042039	ANITHA	[Signature]
40	4012042040	ANITHA	[Signature]

S.No	Reg.No.	Name	Sign
01	4012042001	JAYARAJAN	[Signature]
02	4012042002	ANITHA	[Signature]
03	4012042003	ANITHA	[Signature]
04	4012042004	ANITHA	[Signature]
05	4012042005	ANITHA	[Signature]
06	4012042006	ANITHA	[Signature]
07	4012042007	ANITHA	[Signature]
08	4012042008	ANITHA	[Signature]
09	4012042009	ANITHA	[Signature]
10	4012042010	ANITHA	[Signature]
11	4012042011	ANITHA	[Signature]
12	4012042012	ANITHA	[Signature]
13	4012042013	ANITHA	[Signature]
14	4012042014	ANITHA	[Signature]
15	4012042015	ANITHA	[Signature]
16	4012042016	ANITHA	[Signature]
17	4012042017	ANITHA	[Signature]
18	4012042018	ANITHA	[Signature]
19	4012042019	ANITHA	[Signature]
20	4012042020	ANITHA	[Signature]
21	4012042021	ANITHA	[Signature]
22	4012042022	ANITHA	[Signature]
23	4012042023	ANITHA	[Signature]
24	4012042024	ANITHA	[Signature]
25	4012042025	ANITHA	[Signature]
26	4012042026	ANITHA	[Signature]
27	4012042027	ANITHA	[Signature]
28	4012042028	ANITHA	[Signature]
29	4012042029	ANITHA	[Signature]
30	4012042030	ANITHA	[Signature]
31	4012042031	ANITHA	[Signature]
32	4012042032	ANITHA	[Signature]
33	4012042033	ANITHA	[Signature]
34	4012042034	ANITHA	[Signature]
35	4012042035	ANITHA	[Signature]
36	4012042036	ANITHA	[Signature]
37	4012042037	ANITHA	[Signature]
38	4012042038	ANITHA	[Signature]
39	4012042039	ANITHA	[Signature]
40	4012042040	ANITHA	[Signature]

**Students attendance**



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## 15. Industrial Visit by Department of Civil Engineering visited **Majestic Builders** at Cuddalore on 03.09.2021



Students photo

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DEPARTMENT OF CIVIL ENGINEERING

Student Attendance List - III Year

Sl.No.	Reg. No.	NAME		SIGNATURE
1	421321103002	ABHJUDAINAMBI	A	
2	421321103003	ASHWANTH	KS	Ashwanth
3	421321103004	BALAJI	B	Balaji
4	421321103005	BENNETTO	A	Bennetto
5	421321103006	DHARATHIRAJAN	B	Dharathirajan
6	421321103007	DIHANRAJ	B	Dihanraj
7	421321103009	GOPIKA	E	Gojika
8	421321103010	KANMANI	K	Kanmani
9	421321103011	KRUTHIVASAN	G	Kruthivasan
10	421321103012	LAVANYA	D	Lavanya
11	421321103013	MALAYIKA	A	Malayika
12	421321103014	NITHUSHKUMAR	D	Nithushkumar
13	421321103015	NITHYA	S	Nithya
14	421321103016	RAGUL KANNAN	D	Ragulkannan
15	421321103017	SAKTHESWAR	S	Saktheshwar
16	421321103019	SUSMITHA	V	Susmitha
17	421321103020	VARUN	V	Varun
18	421321103021	VENKATESH	B	Venkatesh
19	421321103022	VENKATESH	P	Venkatesh

Students attendance



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## 16. Industrial Visit by Department of Civil Engineering visited **Laxmi Builders** at Cuddalore on 22.07.2022



Students photo



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DEPARTMENT OF CIVIL ENGINEERING

### Student Attendance List -IV Year

SL.No.	Reg. No.	NAME		SIGNATURE
1	421320103001	ANBARASAN	J	Anbarasan
2	421320103002	ANSAR ALI	K	K. Ansar Ali
3	421320103004	GAYATHRI	M	Gayathri
4	421320103006	NIFAS AHAMED	J	Nifas Ahamed
5	421320103007	PRASANNA	B	Prasanna
6	421320103008	RAGUL	T	Ragul
7	421320103301	JAYASURYA	M	M. Jayasurya
8	421320103302	JEGAN	V	Jegan
9	421320103303	SANTHOSH	K	Santhosh
10	421320103304	SANTHOSH KUMAR	S	Santhosh Kumar
11	421320103305	SYED SOHAIL	S	Syed Sohail
12	421320103306	YASAR ARAFATH	B	Yasar Arafath

Students attendance



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## 17. Industrial visit by Department of Computer Science and Engineering students at Pantech E Learning, Chennai on 15.09.2022



**Group discussion with professionals**



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**STUDENTS ATTENDANCE LIST**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

YEAR / SEM - 02/IV			
S. NO	REG. NO.	NAME OF THE STUDENT	SIGNATURE
1	421220100001	AARTH S	Aarth S
2	421220100002	ARUN A	Arun A
3	421220100003	ARULJITH N	Aruljith N
4	421220100004	ASHFA ROSAM M	Ashfa Rosam M
5	421220100005	BALAJI T	Balaji T
6	421220100006	NARANI S	Narani S
7	421220100007	RAVEENA V	Raveena V
8	421220100008	SHIBHANI KUMAR S	Shibhani Kumari S
9	421220100009	SHIBHALAKSHMI V	Shibhalakshmi V
10	421220100010	SHANMUKARAN V	Shanmukaran V
11	421220100011	SHARADA SUBRAM K	K. Sharda Subram
12	421220100012	SHARATH S	Sharath S
13	421220100013	SHYFKA S	Shyfa S
14	421220100014	SHANMUKHARAJAN S	Shanmukharajan S
15	421220100015	SHREYAS N	Shreyas N
16	421220100016	SHREYAS N	Shreyas N
17	421220100017	KUNALABHARAN B	Kunalabhavan B
18	421220100018	MAHESHVARATHAN M	Maheshvarathan M
19	421220100019	MURUGA MARY D	Muruga Mary D
20	421220100020	MUTHUSUBRAMAN S	Muthusubraman S
21	421220100021	NAVEEN N	Naveen N
22	421220100022	NEHA K	Neha K
23	421220100023	NIHITHARAJA V	Nitharaja V
24	421220100024	PAVITHRA S	Pavithra S
25	421220100025	PAVITHRA S	Pavithra S
26	421220100026	PRANAVSUDHAN S	Pranav Sudhan S
27	421220100027	PRIYALAKSHI S	Priyalakshmi S
28	421220100028	PURUSHOTHAMAN S	Purushothaman S
29	421220100029	RAGHAVAN S	Raghavan S

**Students attendance**



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## 18. Industrial Visit by Department of Electrical and Electronics Engineering students at SLR Energy, Kuzhandaikuppam, Pethankuppam, on 18.07.2022.



Students photo



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ANAND NAGAR, S. KUMARAPURAM, CUDDALORE - 607 109

Department of Electrical and Electronics Engineering  
**ATTENDANCE SHEET**

S. No.	Reg. No.	Name of the Students	Student Signature
1	421318105001	ABINAYA T	T. Abinaya
2	421318105003	ATHAVAN B	B. Athavan
3	421318105004	DHANAVELAN D	Dhanavelan D
4	421318105005	DHANISH BABU D	Dhanish Babu D
5	421318105006	DHISHYA R	Dhishya R
6	421318105007	DIVYA V	Divya V
7	421318105008	HARSHARAN S	S. Harsharan
8	421318105009	KALAIYANAN A	Kalaiyanan A
9	421318105010	KARTHIK S	S. Karthik
10	421318105011	LOKESIVARAR B	B. Lokeshvarar
11	421318105012	MEGANATHAN D	D. Meganathan
12	421318105013	PRADDEEP V	V. Pradeep
13	421318105014	PRATHIKUMAR S	S. Prathikumar
14	421318105015	PREETHI R	R. Preethi
15	421318105016	PRIYADHARASHINI S	S. Priyadharsini
16	421318105017	RAJAKUMARAN A	A. Rajakumaran
17	421318105301	GOKULNATH K	K. Gokulnath
18	421318105302	MUNICHSELVAM S	S. Munichselvam
19	421318105303	RAJASEKARAN R	R. Rajasekaran

Students attendance



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### 19. Industrial visit by Department of Electronics and Communication to **First Logic Automation**, Chennai on 16.10.2021



**Demonstration session by the industrial professional**



**KRISHNASAMY COLLEGE OF ENGINEERING AND TECHNOLOGY**  
ANAND NAGAR & S. KUMARAPURAM, CUDDALORE - 607109

Students List for Industrial Visit

Department : Electronics and Communication Engineering  
YEAR / SEM : III

S.NO	REG. NO	NAME OF THE STUDENT	STUDENT SIGNATURE	
1	412200000	ADITHYAN	K.	<i>[Signature]</i>
2	412200002	ADITHYAN	M.	<i>[Signature]</i>
3	412200003	ADITHYAN	S.	<i>[Signature]</i>
4	412200004	ADITHYAN	S.	<i>[Signature]</i>
5	412200005	ADITHYAN	S.	<i>[Signature]</i>
6	412200006	ADITHYAN	S.	<i>[Signature]</i>
7	412200007	ADITHYAN	S.	<i>[Signature]</i>
8	412200008	ADITHYAN	S.	<i>[Signature]</i>
9	412200009	ADITHYAN	S.	<i>[Signature]</i>
10	412200010	ADITHYAN	S.	<i>[Signature]</i>
11	412200011	ADITHYAN	S.	<i>[Signature]</i>
12	412200012	ADITHYAN	S.	<i>[Signature]</i>
13	412200013	ADITHYAN	S.	<i>[Signature]</i>
14	412200014	ADITHYAN	S.	<i>[Signature]</i>
15	412200015	ADITHYAN	S.	<i>[Signature]</i>
16	412200016	ADITHYAN	S.	<i>[Signature]</i>
17	412200017	ADITHYAN	S.	<i>[Signature]</i>
18	412200018	ADITHYAN	S.	<i>[Signature]</i>
19	412200019	ADITHYAN	S.	<i>[Signature]</i>
20	412200020	ADITHYAN	S.	<i>[Signature]</i>
21	412200021	ADITHYAN	S.	<i>[Signature]</i>
22	412200022	ADITHYAN	S.	<i>[Signature]</i>
23	412200023	ADITHYAN	S.	<i>[Signature]</i>
24	412200024	ADITHYAN	S.	<i>[Signature]</i>
25	412200025	ADITHYAN	S.	<i>[Signature]</i>

S.NO	REG. NO	NAME OF THE STUDENT	STUDENT SIGNATURE	
26	412200026	ADITHYAN	G.	<i>[Signature]</i>
27	412200027	ADITHYAN	K.	<i>[Signature]</i>
28	412200028	ADITHYAN	K.	<i>[Signature]</i>
29	412200029	ADITHYAN	M.	<i>[Signature]</i>
30	412200030	ADITHYAN	R.	<i>[Signature]</i>
31	412200031	ADITHYAN	R.	<i>[Signature]</i>
32	412200032	ADITHYAN	S.	<i>[Signature]</i>
33	412200033	ADITHYAN	M.	<i>[Signature]</i>
34	412200034	ADITHYAN	R.	<i>[Signature]</i>
35	412200035	ADITHYAN	S.	<i>[Signature]</i>
36	412200036	ADITHYAN	A.	<i>[Signature]</i>
37	412200037	ADITHYAN	D.	<i>[Signature]</i>
38	412200038	ADITHYAN	G.	<i>[Signature]</i>
39	412200039	ADITHYAN	K.	<i>[Signature]</i>
40	412200040	ADITHYAN	S.	<i>[Signature]</i>
41	412200041	ADITHYAN	G.	<i>[Signature]</i>

**Students attendance**





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## 20. Industrial visit by Department of Civil Engineering to **Presto land survey**, Salem on 15.11.2021



Students photo

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DEPARTMENT OF CIVIL ENGINEERING  
Student Attendance List -IV Year

SL.No.	Reg. No.	NAME		SIGNATURE
1	421320103001	ANBARASAN	J	<i>[Signature]</i>
2	421320103002	ANSAR ALI	K	<i>[Signature]</i>
3	421320103004	GAYATHRI	M	<i>[Signature]</i>
4	421320103006	NIFAS AHAMED	J	<i>[Signature]</i>
5	421320103007	PRASANNA	B	<i>[Signature]</i>
6	421320103008	RAGUL	T	<i>[Signature]</i>
7	421320103301	JAYASURYA	M	<i>[Signature]</i>
8	421320103302	JEGAN	V	<i>[Signature]</i>
9	421320103303	SANTHOSH	K	<i>[Signature]</i>
10	421320103304	SANTHOSH KUMAR	S	<i>[Signature]</i>
11	421320103305	SYED MOHAIL	S	<i>[Signature]</i>
12	421320103306	YASAR ARAFATHI	B	<i>[Signature]</i>

Students attendance



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### 21. Faculty participated in Share and mentor institutes under AICTE- Margdarshan Scheme at Sri Manakula Vinayagar Engineering College from 9<sup>th</sup> to 13<sup>th</sup> December 2019



**SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE**  
Approved by NAAC with 'A' grade and NBA-ACCET  
Mullakkuppam, Pondicherry - 605 007

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
New Delhi

### CERTIFICATE OF PARTICIPATION

This is to certify that Dr. S. Siva Senthil, Associate Professor, KRISHNASAMY COLLEGE OF ENGINEERING AND TECHNOLOGY has participated in "NBA in Higher Education Institutions- A Mandate" under AICTE - Margdarshan Scheme (Share and Mentor Institutes) from 9<sup>th</sup> to 13<sup>th</sup> December 2019.

Dr. V. S. K. Venkatchalopathy  
Director cum Principal

Shri. S. V. SUDUMARAN  
Vice Chairman

Shri. M. DHANASEKARAN  
Chairman and Managing Director



**SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE**  
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Mullakkuppam, Pondicherry - 605 007

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
New Delhi

### CERTIFICATE OF PARTICIPATION

This is to certify that Mr. S. Bharath, Assistant Professor, KRISHNASAMY COLLEGE OF ENGINEERING AND TECHNOLOGY has participated in "NBA in Higher Education Institutions- A Mandate" under AICTE - Margdarshan Scheme (Share and Mentor Institutes) from 9<sup>th</sup> to 13<sup>th</sup> December 2019.

Dr. V. S. K. Venkatchalopathy  
Director cum Principal

Shri. S. V. SUDUMARAN  
Vice Chairman

Shri. M. DHANASEKARAN  
Chairman and Managing Director

Faculty participation certificate



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**Certificate of award from mentor institution**

3.5.1. Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
<b>LIST OF ACTIVITIES UNDER COLLABORATIONS AY 2018-2023</b>							
22	Publications (An Improved BAS MPPT Algorithm in DC-DC converter for grid connected SPVS with PQ enhancement)	Annamalai university and IFET college of Engineering	2023	Collaborative Research	6 months	<a href="https://doi.org/10.1007/s12046-023-02155-7">https://doi.org/10.1007/s12046-023-02155-7</a>	<a href="https://doi.org/10.1007/s12046-023-02155-7">https://doi.org/10.1007/s12046-023-02155-7</a>
23	Publications (A performance assessment of nine-stage ternary DC source mli through various PWM topologies)	Sastra University and VSB Engineering College	2023	Collaborative Research	6 months	<a href="https://doi.org/10.1080/00207217.2023.2192967">https://doi.org/10.1080/00207217.2023.2192967</a>	<a href="https://doi.org/10.1080/00207217.2023.2192967">https://doi.org/10.1080/00207217.2023.2192967</a>
24	Publications (Tetra Optimization Based Hybrid Parameters for OFDM modulated Wireless Sensor Network)	MOP Vaishnav College and RMK Engineering College	2023	Collaborative Research	8 months	<a href="https://doi.org/10.1080/03772063.2023.2225471">https://doi.org/10.1080/03772063.2023.2225471</a>	<a href="https://doi.org/10.1080/03772063.2023.2225471">https://doi.org/10.1080/03772063.2023.2225471</a>
25	Publications (Propitious Application of Prosopis juliflora Seeds As a Potent Drug)	St.Joseph College of Arts and Science	2022	Collaborative Research	5 months	<a href="https://doi.org/10.1007/978-981-16-4921-9_78-1">https://doi.org/10.1007/978-981-16-4921-9_78-1</a>	<a href="https://doi.org/10.1007/978-981-16-4921-9_78-1">https://doi.org/10.1007/978-981-16-4921-9_78-1</a>
26	Publications (ANFIS based double integral sliding mode control for a grid-integrated hybrid power system)	SBM College of Engineering and Technology and Sethu Institute of Technology	2022	Collaborative Research	5 months	<a href="https://doi.org/10.1016/j.iijleo.2022.170013">https://doi.org/10.1016/j.iijleo.2022.170013</a>	<a href="https://doi.org/10.1016/j.iijleo.2022.170013">https://doi.org/10.1016/j.iijleo.2022.170013</a>
27	Publications (Profit Maximization of Generation Companies Considering Renewable Energy Integration and Unit Forced Outage Rates)	Govt. Collge of Engineering Salem and Annamalai University	2022	Collaborative Research	6 months	<a href="http://www.iteejournal.org/v11no5oct22_pdf2.pdf">http://www.iteejournal.org/v11no5oct22_pdf2.pdf</a>	<a href="http://www.iteejournal.org/v11no5oct22_pdf2.pdf">http://www.iteejournal.org/v11no5oct22_pdf2.pdf</a>
28	Publications (Evaluation of hybrid controllers for space vector modulation-inverter driven permanent magnet synchronous motor-pump assembly)	Agni College of Technology and Sri Krishna College of Technology	2022	Collaborative Research	5 months	<a href="https://doi.org/10.1016/j.isatra.2021.09.001">https://doi.org/10.1016/j.isatra.2021.09.001</a>	<a href="https://doi.org/10.1016/j.isatra.2021.09.001">https://doi.org/10.1016/j.isatra.2021.09.001</a>
29	Publications (An AI Assisted Multi-objective Cloud Computing Model for Optimized Task Scheduling and Enhanced QoS)	Pondicherry University	2022	Collaborative Research	7 months	<a href="https://doi.org/10.53730/ijhs.v6n55.9548">https://doi.org/10.53730/ijhs.v6n55.9548</a>	<a href="https://doi.org/10.53730/ijhs.v6n55.9548">https://doi.org/10.53730/ijhs.v6n55.9548</a>
30	Publications (Performance Evaluation of Improved ANOVA-tuned MPPT Controlled DC-DC Boost Converter for SPV System)	Sri Venkateswara College of Engineering and Technology	2022	Collaborative Research	8 months	<a href="https://doi.org/10.1080/00207217.2022.2068668">https://doi.org/10.1080/00207217.2022.2068668</a>	<a href="https://doi.org/10.1080/00207217.2022.2068668">https://doi.org/10.1080/00207217.2022.2068668</a>

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
31	Publications (Fuzzy tuned real and reactive power regulation in GC-VSI for PV systems)	United Institute of Technology and Sri Venkateswara College of Engineering and Technology	2022	Collaborative Research	7 months	<a href="https://doi.org/10.1080/00207217.2022.2042858">https://doi.org/10.1080/00207217.2022.2042858</a>	<a href="https://doi.org/10.1080/00207217.2022.2042858">https://doi.org/10.1080/00207217.2022.2042858</a>
32	Publications (Pattern Recognition of Modulation Signal Classification Using Deep Neural Networks)	KPR Institute of Engineering and Technology and Saranathan College of Engineering and Technology	2022	Collaborative Research	8 months	<a href="https://doi.org/10.32604/csse.2022.024239">https://doi.org/10.32604/csse.2022.024239</a>	<a href="https://doi.org/10.32604/csse.2022.024239">https://doi.org/10.32604/csse.2022.024239</a>
33	Publications (An Efficient Hybrid Converter for DC-Based Renewable Energy Nanogrid Systems)	Agni College of Technology and Sri Sivasubramaniya Nadar College of Engineering	2022	Collaborative Research	9 months	<a href="https://journal.iem.pub.ro/rrst-ee/article/view/38">https://journal.iem.pub.ro/rrst-ee/article/view/38</a>	<a href="https://journal.iem.pub.ro/rrst-ee/article/view/38">https://journal.iem.pub.ro/rrst-ee/article/view/38</a>
34	Publications (Secure Data Sharing with Confidentiality, Integrity and Access Control in Cloud Environment)	SRM Institute of Science and Technology and K.S.R College of Engineering	2022	Collaborative Research	9 months	<a href="https://doi.org/10.32604/csse.2022.019622">https://doi.org/10.32604/csse.2022.019622</a>	<a href="https://doi.org/10.32604/csse.2022.019622">https://doi.org/10.32604/csse.2022.019622</a>
35	Publications (An Extensive Study on Online, Offline and Hybrid MPPT Algorithms for Photovoltaic Systems)	Annamalai University and IFET College of Engineering	2021	Collaborative Research	6 months	<a href="https://doi.org/10.52547/mjee.15.3.1">https://doi.org/10.52547/mjee.15.3.1</a>	<a href="https://doi.org/10.52547/mjee.15.3.1">https://doi.org/10.52547/mjee.15.3.1</a>
36	Publications (Design of optimized compressed sensing routing protocol for wireless multimedia sensor networks)	Sri Venkateswara College of Engineering and Technology and Saveetha School of Engineering	2021	Collaborative Research	7 months	<a href="https://doi.org/10.1002/dac.4887">https://doi.org/10.1002/dac.4887</a>	<a href="https://doi.org/10.1002/dac.4887">https://doi.org/10.1002/dac.4887</a>
37	Publications (Noble Metal Ion Embedded Nanocomposite Glass Materials for Optical Functionality of UV-Visible Surface Plasmon Resonance (SPR) Surface Enhanced Raman Scattering (SERS) Sensor and Electrode)	Biju Patnaik University of Technology and Arignar Anna Govt. Arts College	2021	Collaborative Research	9 months	<a href="https://doi.org/10.1007/s11468-021-01413-w">https://doi.org/10.1007/s11468-021-01413-w</a>	<a href="https://doi.org/10.1007/s11468-021-01413-w">https://doi.org/10.1007/s11468-021-01413-w</a>
38	Publications (Implementation of Double Loop Controller Tuned Super Lift Luo Converter and Unipolar Inverter for Solar Fed Grid Application)	United Institute of Technology and Sri Venkateswara College of Engineering and Technology	2021	Collaborative Research	8 months	<a href="https://www.ijrer.org/ijrer/index.php/ijrer">https://www.ijrer.org/ijrer/index.php/ijrer</a>	<a href="https://www.ijrer.org/ijrer/index.php/ijrer">https://www.ijrer.org/ijrer/index.php/ijrer</a>
39	Publications (Certain investigations of ANFIS assisted CPHO algorithm tuned MPPT controller for PV arrays under partial shading conditions)	United Institute of Technology and Agni College of Technology	2021	Collaborative Research	7 months	<a href="https://doi.org/10.1007/s12652-020-02738-w">https://doi.org/10.1007/s12652-020-02738-w</a>	<a href="https://doi.org/10.1007/s12652-020-02738-w">https://doi.org/10.1007/s12652-020-02738-w</a>
40	Publications (An optimized deep neural network based DoS attack detection in wireless video sensor network)	Sri Venkateswara College of Engineering and Technology and BIT Campus Anna University, Tiruchirappalli	2021	Collaborative Research	6 months	<a href="https://doi.org/10.1007/s12652-020-02763-9">https://doi.org/10.1007/s12652-020-02763-9</a>	<a href="https://doi.org/10.1007/s12652-020-02763-9">https://doi.org/10.1007/s12652-020-02763-9</a>
41	Publications (Green Cloud Computing: An Extensive Survey in Selecting Multi-Objective for Task Scheduling in Sustaining Energy Efficiency)	Pondicherry University	2020	Collaborative Research	6 months	<a href="http://www.ijengng.com/archives-2.php">http://www.ijengng.com/archives-2.php</a>	<a href="http://www.ijengng.com/archives-2.php">http://www.ijengng.com/archives-2.php</a>

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
42	Publications (Experimental Studies on Strength and Durability of Sustainable Concrete Using Bottom Ash by Replacement of Fine Aggregate)	SRM Valliammai Engineering College	2020	Collaborative Research	5 months	<a href="https://doi.org/10.1155/2021/2909033">https://doi.org/10.1155/2021/2909033</a>	<a href="https://doi.org/10.1155/2021/2909033">https://doi.org/10.1155/2021/2909033</a>
43	Publications (High Performance Glass Fibre Reinforced Concrete)	Agni College of Technology and Dr.M.G.R Education and Research Institute	2020	Collaborative Research	5 months	<a href="https://doi.org/10.1016/j.matpr.2020.06.174">https://doi.org/10.1016/j.matpr.2020.06.174</a>	<a href="https://doi.org/10.1016/j.matpr.2020.06.174">https://doi.org/10.1016/j.matpr.2020.06.174</a>
44	Publication (Green Composite Form of Eco - Friendly Concrete by Adding PVA Fiber)	Aarupadai Institute of Technology and Saveetha School of Engineering	2020	Collaborative Research	6 months	<a href="https://www.sersc.org/">International Journal of Advanced Science and Technology (sersc.org)</a>	<a href="https://www.sersc.org/">International Journal of Advanced Science and Technology (sersc.org)</a>
45	Publication (Experimental Investigation On Partial Replacement Of Coarse Aggregate with Shredded Rubber For Concrete)	Aarupadai Veedu Institute of Technology	2020	Collaborative Research	5 months	<a href="https://www.sersc.org/">International Journal of Advanced Science and Technology (sersc.org)</a>	<a href="https://www.sersc.org/">International Journal of Advanced Science and Technology (sersc.org)</a>
46	Publication (A Sociocultural Study on Solar Photovoltaic Energy System In India: Stratification and Policy Implication)	Anna University Guindy Campus and Vellore Institute of Technology, Chennai Campus	2019	Collaborative Research	8 months	<a href="https://doi.org/10.1016/j.jclepro.2018.12.225">https://doi.org/10.1016/j.jclepro.2018.12.225</a>	<a href="https://doi.org/10.1016/j.jclepro.2018.12.225">https://doi.org/10.1016/j.jclepro.2018.12.225</a>
47	Publication (Enhanced approach using trust based decision making for secured wireless streaming video sensor networks)	Sri Venkateswara College of Engineering	2019	Collaborative Research	8 months	<a href="https://doi.org/10.1007/s11042-019-7585-5">https://doi.org/10.1007/s11042-019-7585-5</a>	<a href="https://doi.org/10.1007/s11042-019-7585-5">https://doi.org/10.1007/s11042-019-7585-5</a>
48	Publication (A Conjoint Edifice for QOS and QOE through Video transmission at Wireless Multimedia Sensor Networks)	Sri Venkateswara College of Engineering and Anna University Chennai	2019	Collaborative Research	9 months	<a href="https://link.springer.com/chapter/10.1007/978-3-030-38040-3_48">https://link.springer.com/chapter/10.1007/978-3-030-38040-3_48</a>	<a href="https://link.springer.com/chapter/10.1007/978-3-030-38040-3_48">https://link.springer.com/chapter/10.1007/978-3-030-38040-3_48</a>
49	Publication (Factors influencing the performance and productivity of solar stills- A review)	Interface Research Colabration with Pondicherry Engineering College	2018	Collaborative Research	9 months	<a href="https://doi.org/10.1016/j.desal.2017.09.031">https://doi.org/10.1016/j.desal.2017.09.031</a>	<a href="https://doi.org/10.1016/j.desal.2017.09.031">https://doi.org/10.1016/j.desal.2017.09.031</a>
50	Publication (Cost Effective Solitary Stage Single Phase Inverter for Solar PV Integration in to Grid)	PSG Institute of Technology and Applied Research	2018	Collaborative Research	8 months	<a href="https://www.ijrer.org/ijrer/index.php/ijrer">https://www.ijrer.org/ijrer/index.php/ijrer</a>	<a href="https://www.ijrer.org/ijrer/index.php/ijrer">https://www.ijrer.org/ijrer/index.php/ijrer</a>
51	Publication (Parameter Improved Particle Swarm Optimization based Direct-Current Vector Control Strategy for Solar PV System)	KPR Institute of Engineering and Technology	2018	Collaborative Research	7 months	<a href="https://aece.ro/index.php">https://aece.ro/index.php</a>	<a href="https://aece.ro/index.php">https://aece.ro/index.php</a>



## 22. Research Publication in collaboration with other institutions

*Int J Elec & Inform Tech* (2023) 48:126  
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### An improved BAS MPPT algorithm in DC–DC converter for grid connected SPVS with PQ enhancement

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MS received 16 July 2022; revised 3 February 2023; accepted 23 March 2023

**Abstract.** In this paper, an improved Beetle Antenna Search (BAS) algorithm is developed for Maximal Power Point Tracking (MPPT) in a double-stage three-phase solar grid-integrated system. The behavior of the beetle foraging approach yields maximal power from photovoltaic string with the sustained duty cycle through an optimal BAS MPPT controller. The BAS algorithm succeeds in the purpose of achieving the optimum duty cycle of the DC–DC boost converter for the Solar Photovoltaic System. The intended controller is achieved in step and ramp varying irradiation environment at the specified temperature. The outcome of BAS MPPT has maximal power and better tracking speed with less fluctuation than the P&O controller. Also, the BAS algorithm affords the effortless function of load stabilizing and harmonics decrement in grid performance. The proposed controller has better improvement than the conventional algorithm by reducing training data time, decreasing the sample size, and retaining the selected permissive data. Simulation illustrations prove the quick response time, and acceptable behavior in step and ramp irradiation conditions. Further, an illustration shows the ability to enhance the stability of power in the grid with reduced oscillation and distortion factors. The harmonic distortion of voltage and current is obtained within the control limit of universal standards. The simulated results are validated in MATLAB/Simulink environments.

**Interface Research Collaboration with Annamalai university and IFET college of Engineering**



### 23. Research Publication in collaboration with other institutions

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Research Article

## A performance assessment of nine-stage ternary DC source mli through various PWM topologies

Periyazhagar D ✉, Natarajan Prabakaran ✉, Umamaheshwari K & Raja K

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### ABSTRACT

In modern days, MLIs comprise a lot of concentrations in academia and industry. As they are altering interest in a feasible technology in supporting frequent applications of renewable energy conversion systems and drives, these huge power and medium/higher voltage applications and MLIs are extensively used as one of the sophisticated powers converter topography. The MLIs are divided into two types such as asymmetric and symmetric. MLIs of the asymmetric kind have more amount of output AC voltage stage with fewer DC input source voltage and

**Interface Research Collaboration with Sastra University and VSB Engineering College**





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### 24. Research Publication in collaboration with other institutions

IETE JOURNAL OF RESEARCH  
<https://doi.org/10.1080/03772063.2023.2225471>



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## Tetra Optimization Based Hybrid Parameters for OFDM Modulated Wireless Sensor Network

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#### ABSTRACT

Orthogonal frequency-division multiplexing (OFDM) is an information transfer technique in which a single data flow is divided between several closely spaced narrowband subchannel frequency range rather than a single Wideband channel frequency. The information is sent to the relay node there is a delay and some data is lost in the relay node is the major issue in the existing system. To overcome these challenges, The objective of this study is to minimize the overall energy consumption and to maximize the network lifetime. In this paper, a novel Five Input Hybrid Optimization Relay Node Selection and Energy Efficient Routing (FIHORNSEER) technique has been proposed for choosing the best relay based on noises. Ant Lion Optimization (ALO) is initially utilized to select the relay node's site position. Secondly, the Crow Search Optimization (CSO) Algorithm is used for the determination of position and memory of each relay. Finally, the Memetic Algorithm (MA) was generated by integrating the Ant Lion and Crow search optimization algorithm for the best relay node selection. The proposed framework is compared with previous techniques like FRNSEER, LMMSE, and HABO-OFDM Methods in terms of performance analysis, such as average utility, Energy Consumption, and Network Life Time. The result shows that the proposed FIHORNSEER improves the energy consumption better than 22.01%, 16.4%, and 12.2% FRNSEER, LMMSE, and HABO-OFDM respectively.

#### KEYWORDS

Ant lion optimization; crow search optimization; memetic algorithm and relay; orthogonal frequency division multiplexing

**Interface Research Collaboration with MOP Vaishnav College and RMK Engineering College**



## 25. Research Publication in collaboration with other institutions

The screenshot shows the SpringerLink interface. At the top, there is a navigation bar with 'SPRINGER LINK' on the left and 'Log In' on the right. Below this is a search bar with 'Find a Journal', 'Publish with us', 'Track your research', and a search icon. A 'Cart' icon is also visible. The main content area displays a book cover for 'Encyclopedia of Green Materials' and the article title 'Propitious Application of *Prosopis juliflora* Seeds As a Potent Drug'. The authors listed are D. Leema Rose Mary, M. Alga, Carin Rebelo, and S. Sasaga. The article is identified as a 'Living reference work entry' with a 'First Online' date of 15 December 2022. It has '14 Accesses'. On the right side, there is a 'Access via your institution' button and a 'Sections' menu with options for 'References', 'Synonyms', 'Definition', 'Introduction', and 'References'.

### Introduction

The entire world whose land is covered by water is rich in plants with great medicinal value. Nowadays, the use of herbal products has gained momentum due to its immense health benefits. In ancient period, medicinal plants were used to cure ailments and also included as supplements in diet. Plants synthesize the primary and secondary metabolites, which are highly bioactive and are used in medicinal field as drugs for various clinical conditions. The secondary metabolites, namely, flavonoids, terpenoids, polyphenols, tannins, saponins, alkaloids, etc., are found to exist in varied composition in each species and thereby render the specific biological importance to medicinal plants. According to a statistical study by the World Health Organization, usage of medicinal...

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### 26. Research Publication in collaboration with other institutions



Optik

Volume 270, November 2022, 170013



## ANFIS based double integral sliding mode control for a grid-integrated hybrid power system

I. Barisano Bonu<sup>1</sup>, I. Levasanthi<sup>2</sup>, M. Muthuramalingam<sup>3</sup>, P. Nammalvar<sup>4</sup>

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<https://doi.org/10.1016/j.ijleo.2022.170013>

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### Abstract

Hybrid Power System (HPS), an promising power generation strategy, has gained much popularity in recent years, thanks to its fundamental mechanism that taps the abundantly-available renewable energy sources. HPS comprises of a photovoltaic (PV) panel, a Battery Storage System (BSS) and a Solid Oxide Fuel Cell (SOFC). Here, PV is the chief power source whereas SOFC and BSS are used as backup generators to supply the required power in case when PV energy is deficient. All these sources, with distinct DC-DC converters, are integrated parallel to a same DC bus. A 3-phase Voltage Source Inverter (VSI) is used in this setup to convert DC voltage into AC. Different modes of operations have been demonstrated with conventional Sliding Mode Controller (SMC). The proposed Double Integral Sliding Mode Controller (DI-SMC)-trained Adaptive Neural Fuzzy Inference System (ANFIS) is utilized to enhance the performance and anti-interference ability of the hybrid system. Further, the HPS is also verified and validated in terms of achieving the preferred power supervision between DG sources, grid, and the load. Both modeling and control strategies of the hybrid scheme were simulated in MATLAB/Simulink. The aim of the proposed management scheme is to supply maximum-quality power to the grid under varying loading conditions and solar irradiance with FC state under consideration. Further, the management algorithm was also implemented to stabilize DC bus voltage under load variations.

**Interface Research Collaboration with SBM College of Engineering and Technology and Sethu Institute of Technology**



**27. Research Publication in collaboration with other institutions**

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**October 2022**

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**Profit Maximization of Generation Companies Considering Renewable  
Energy Integration and Unit Forced Outage Rates**

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**ABSTRACT**

Recently, the power system operational planning has been renovated because of the restructuring of the electric power sector. In competitive markets, individual generation companies (GENCOs) determine independent unit commitment (UC) schedules based on forecasted load demand and price. Here, GENCOs develop UC strategies based on the cost characteristics of their generators and revenues from spot price projection in order to maximise profit. This redefined UC is termed "profit-based unit commitment" (PBUC). Unlike conventional UC, PBUC aims to maximise profit rather than minimise costs. We are turning to renewable energy sources as a result of growing environmental concerns. Recently, wind energy has grown in popularity. Here, the traditional producing units are combined with a wind energy farm to reduce the hazardous gas emissions from the fossil generating units. Additionally, the PBUC formulation of the wind-integrated thermal power system takes reliability issues into account. The GENCOs must have a reliable tool to perform PBUC on real-world power systems. This study proposes a novel bio-inspired method called Grey Wolf Optimization (GWO) to address the profit-based scheduling problem. The realistic 10 thermal generating units confirm the GWO model's effectiveness. The simulation results demonstrate the ability of the intended method to produce cost-effective resolutions with high solution quality.

**Keywords:** *Generation scheduling, grey wolf optimization, profit based unit commitment, reliability analysis, wind power generation*

**Interface Research Collaboration with Govt. College of Engineering Salem and  
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## 28. Research Publication in collaboration with other institutions



ISA Transactions

Volume 11E, Part A, September 2021, Pages 635-649



Practice article

### Evaluation of hybrid controllers for space vector modulation-inverter driven permanent magnet synchronous motor-pump assembly

Mahalingaswami Ganapathes, Srinivasan Alexander, Padmanathan Kesindhan, U. Sowmya, Vignee K. Ramachandaramurthy, Nammaivar Pachaiyannan,

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<https://doi.org/10.1016/j.isatra.2021.09.001>

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#### Abstract

Many controllers are available in the market for controlling the Permanent Magnet Synchronous Motor (PMSM) drive application, though the most preferably used one is Proportional Integral (PI) controller. However, it is found that the PI and other latest controllers have their own merits and demerits while analyzing their outputs via comparison. Thus it is decided to test the deed of hybrid controllers that can serve a lot better than standalone controllers for precise control applications. In this article, a conventional PI controller has been applied in closed-loop system in combination with recent controllers like Proportional Resonant Controller (PRC), Fractional order Proportional Integral Derivative (FOPID), Hysteresis Current Controller (HCC) and Fuzzy Logic Controller (FLC). The resultant hybrid controllers were (i) PI-FOPID (ii) PI-FLC (iii) FOPID-FLC (iv) HCC-FLC and (v) PRC-FLC. All these hybrid controllers are designed using MATLAB platform and the speed and torque responses are compared to allocate the better performance award to the hybrid controllers. The continuous and intermittent loads are considered while registering time-domain response of PMSM-Pump application. With the aid of time-domain response and THD, the topology to be tested in prototype is chosen and tested for resemblance of the speed response with the simulation output. PI-FLC hybrid controller tends to render optimum performance characteristics among all the other hybrid controllers and the same is validated in real time through hardware results.



## 29. Research Publication in collaboration with other institutions

### How to Cite:

Vijayalakshmi, R., Jayakumar, S. K. V., & Sathya, M. (2022). An AI assisted multi-objective cloud computing model for optimized task scheduling and enhanced QOS. *International Journal of Health Sciences*, 6(55), 4244-4263. <https://doi.org/10.53730/ijha.v6i55.9548>

## An AI assisted multi-objective cloud computing model for optimized task scheduling and enhanced QOS

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**Abstract**--In recent decades, cloud computing has gained popularity due to the extensive collection of autonomous systems with a flexible framework and diversified features. Various communities require a cloud computing paradigm to maximize their revenue due to its commercial reality. Scheduling of resources to the cloud consumers dramatically influences the cost-benefit of the service providers. Several kinds of research have already been made, focusing on task scheduling and resource utilization. Job shop scheduling is one of the strong NP-hard problem for the production of optimal scheduling strategies. Evolutionary algorithms such as genetic algorithm and tabu search have been emerged to perform optimal job scheduling in cloud computing environments, but that are confined to perform a single objective. Hence to meet the multiple objectives in cloud computing platforms, we proposed a novel artificial intelligence-based task scheduling strategy to facilitate minimum makespan, energy efficiency, reduced computational cost, and reliability. The proposed modified sheep flock heredity algorithm (MSFHA) facilitates the optimal task scheduling strategy by selecting the job schedules with the Longest job to the High-speed processor (LJHP), Smallest job to the High-speed processor (SJHP), and high-affinity values. The best-fit jobs having minimum makespan and highest robust factor are cloned and further replaced with new incoming jobs. Furthermore, to enrich



### 30. Research Publication in collaboration with other institutions

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Research Articles

## Performance evaluation of improved ANOVA-tuned MPPC controlled DC-DC boost converter for SPV system

Megharathan Padmanaban, Sasi Chinnadhambi, Pugazhendiran Parthasarathy & Nammalvar Pachaiyandhan

Pages 1249-1258 | Received 05 Jul 2021, Accepted 12 Mar 2023, Published Online 04 May 2023

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#### ABSTRACT

This article visualises the growth of harvesting solar energy by a solar photovoltaic (SPV) system and techniques for tracking the maximal power point. An active maximal power point tracking controller is put forward to harvest the solar power named an improved analysis of variance (ANOVA)-tuned algorithm. In this configuration of the SPV system, maximal power yield is obtained from the multi photovoltaic (PV) string through the DC-DC boost converter. To obtain the maximal power from the PV string, the optimal duty cycle has to be maintained in a DC-DC boost converter. To achieve a sustained duty cycle, an improved ANOVA-tuned maximum power point tracking (MPPT) controller is proposed as an optimal controller. The performance of the proposed controller was compared with that of a conventional perturb and observe controller for steady-state and dynamic conditions. The result of the proposed MPPT scheme has maximal power and obviously a better tracking path. The simulation is carried out in the MATLAB/Simulink environment, and the experimental result shows the benefits of the proposed MPPT techniques. The supremacies of the proposed controller are a preferable tracking response, less training data time, effective steady state and dynamic performances.

KEYWORDS: [Photovoltaic](#), [MPPT](#), [Analysis of Variance](#), [ANOVA](#), [DC-DC boost converter](#)

**Interface Research Collaboration with Sri Venkateswara College of Engineering and Technology**



### 31. Research Publication in collaboration with other institutions



International Journal of Electronics  
Volume 110, 2023 - Issue 3

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Research Article

## Fuzzy tuned real and reactive power regulation in GC-VSI for PV systems

Nammalvar Pachaiyannan , Ramkumar Subbaram, Umadevi Ramkumar & Meganathan Radmanaban  
Pages: 627-633 | Received 17 Feb 2021, Accepted 31 Dec 2021, Published online 21 Mar 2022

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#### ABSTRACT

Operating solar Photovoltaic (PV) under fluctuating irradiation and load with variable profiles is a challenging job. Besides, reactive power demand in grid-connected solar PV system makes it more challenging because of its limitations in reactive power capability. As per Indian electricity grid codes, reactive power compensation comes under ancillary services and it is mandatory nowadays. On PV source side, DC/DC boost converter, and on grid side, traditional three-phase Grid-Connected-Voltage Source Inverter (GC-VSI) are taken for research study, if real power delivered to the grid by GC-VSI is less than the capacity, the surplus capacity is used to provide reactive power. Normally, shunt capacitors or Flexible Alternating Current Transmission System (FACTS) devices are used at Point of Common Coupling (PCC) as compensation devices. In this work, the DC-link capacitor employed in front end of GC-VSI is utilised to serve reactive power control to the grid. An effective fuzzy-tuned direct current vector control is implemented to enrich reactive power control. Simulation studies carried with extensive MATLAB/Simulink platform illustrate the efficacy of suggested system and reveal that proposed approach is capable of effective reactive power support by the DC-link capacitor and extraction of maximum possible power from PV arrays.

**KEYWORDS:** Voltage source inverter, solar PV system, fuzzy logic, real power, reactive power, direct current vector control

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## 32. Research Publication in collaboration with other institutions

*Computer Systems Science & Engineering*  
DOI:10.32604/CSSE.2022.024239

Tech Science Press

Article

### Pattern Recognition of Modulation Signal Classification Using Deep Neural Networks

D. Venugopal<sup>1</sup>, V. Mohan<sup>2</sup>, S. Ramesh<sup>3</sup>, S. Janupriya<sup>4</sup>, Sangsoo Lim<sup>5\*</sup> and Scifedine Kadry<sup>6</sup>

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Received: 10 October 2021; Accepted: 11 November 2021

**Abstract:** In recent times, pattern recognition of communication modulation signals has gained significant attention in several application areas such as military, civilian field, etc. It becomes essential to design a safe and robust feature extraction (FE) approach to efficiently identify the various signal modulation types in a complex platform. Several works have derived new techniques to extract the feature parameters namely instant features, fractal features, and so on. In addition, machine learning (ML) and deep learning (DL) approaches can be commonly employed for modulation signal classification. In this view, this paper designs pattern recognition of communication signal modulation using fractal features with deep neural networks (CSM-FFDNN). The goal of the CSM-FFDNN model is to classify the different types of digitally modulated signals. The proposed CSM-FFDNN model involves two major processes namely FE and classification. The proposed model uses Nevcik Fractal Dimension (SFD) technique to extract the fractal features from the digital modulated signals. Besides, the extracted features are fed into the DNN model for modulation signal classification. To improve

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and Saranathan College of Engineering and Technology**



### 33. Research Publication in collaboration with other institutions

 *Rev. Roum. Sci. Techn. - Électrotechn. et Énerg.*  
Vol. 66, 5, pp. 225-230, Bucarest, 2021

## AN EFFICIENT HYBRID CONVERTER FOR DC-BASED RENEWABLE ENERGY NANOGRID SYSTEMS

ANNAPOORANI SUBRAMANIAN<sup>1</sup>, JAYAPARVATHY RAMAN<sup>2</sup>, **NAMMALVAR PACHAIVANNAN<sup>3</sup>**

**Key words:** Boost converter, Dc nanogrid, Hybrid converter, Photovoltaic panel, Single input multiple output converter.

Many electrical and electronic equipment used in homes requires multiple dc and ac power supplies. Existing hybrid converters used in nanogrid systems provide only single ac and dc outputs for single dc input. They also have limitations such as shoot through problem and requirement of dead time circuitry. This paper proposes a novel single input multiple output hybrid converter (SIMOHC) derived from the dc-dc boost converter, which can produce one ac and two dc outputs simultaneously in single stage from a single dc input with less complex circuit. The proposed converter has higher electromagnetic interference (EMI) immunity, no shoot through problem, and dead time circuitry requirement is avoided. The proposed converter uses simple unipolar sinusoidal pulse width modulation (USPWM) technique and provides higher reliability. The proposed converter is validated using simulation and hardware implementation. It is observed that the proposed circuit performs equally good compared to the existing hybrid converter like boost derived hybrid converter (BDHC), and in addition, has the advantage of providing two dc outputs and one ac output.

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## ACADEMIC YEAR (2020-2021)

### 34. Research Publication in collaboration with other institutions

*Computer Systems Science & Engineering*  
DOI:10.32604/csse.2022.019622

**Tech Science Press**

*Article*

### **Secure Data Sharing with Confidentiality, Integrity and Access Control in Cloud Environment**

**V. Rajkumar<sup>1</sup>\*, M. Prakash<sup>2</sup> and V. Vennila<sup>3</sup>**

<sup>1</sup>Department of Computer Science and Engineering, Krishnasamy College of Engineering and Technology (Affiliated to Anna University, Chennai), Cuddalore, 607109, India

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\*Corresponding Author: V. Rajkumar. Email: raj7win@gmail.com  
Received: 20 April 2021; Accepted: 28 May 2021

**Abstract:** Cloud storage is an incipient technology in today's world. Lack of security in cloud environment is one of the primary challenges faced these days. This scenario poses new security issues and it forms the crux of the current work. The current study proposes Secure Interactional Proof System (SIPS) to address this challenge. This methodology has a few key essential components listed here-with to strengthen the security such as authentication, confidentiality, access control, integrity and the group of components such as AVK Scheme (Access List,

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### 35. Research Publication in collaboration with other institutions

Majlesi Journal of Electrical Engineering

Vol. 15, No. 3, September 2021

## An Extensive Study on Online, Offline and Hybrid MPPT Algorithms for Photovoltaic Systems

Meganathan Padmanaban<sup>1\*</sup>, Sasi Chinnathambi<sup>2</sup>, Pugazhendiran Parthasarathy<sup>3</sup>, **Nammalvar Pachaivannan<sup>4</sup>**

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Received: August 2020

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Accepted: January 2021

#### ABSTRACT:

To moderate global warming, conventional fossil fuels are depleted. As the population increased with the rising standard of living and industrial growth, the global environment is affected and cause the greenhouse gases occurrence, which are frequently increased by unlimited use of fossil fuels. The generation of electric power loads increases the power demand on the basics of modern power technology development. Several benefits can be attained by installing the distribution generation with the quality and reliability of power delivered. However, the global energy problem can be resolved by renewable energy sources as an alternative energy generation. Technological

Paper type: Research paper

DOI: <https://doi.org/10.52547/mjee.15.3.1>

How to cite this paper: M. Padmanaban, S. Chinnathambi, P. Parthasarathy and N. Pachaivannan, "An Extensive Study on Online, Offline and Hybrid MPPT Algorithms for Photovoltaic Systems", *Majlesi Journal of Electrical Engineering*, Vol. 15, No. 3, pp. 1-16, 2021.

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### 37. Research Publication in collaboration with other institutions

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## Noble Metal Ion Embedded Nanocomposite Glass Materials for Optical Functionality of UV-Visible Surface Plasmon Resonance (SPR) Surface-Enhanced Raman Scattering (SERS) X-ray and Electron Microscopic Studies: An Overview

Published: 14 April 2021

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### Abstract

Raman spectroscopy (RS) is a modern scientific analytic fingerprint technique that detects, examines, and analyzes the constituent chemical composition of various substances (solid-liquid-gas and plasmons) through interaction of laser light with matter. It is intelligent to present qualitative and quantitative information about the sample's chemical composition, polymorphism, phase, crystallinity, stress/strain, and contamination and impurity/defects. The key mechanism is profoundly based on the Raman principle that was originally named after and discovered by the Indian premier scientist CV Raman, who won the Nobel prize after the exposure of the Raman effect [Raman 1916; Krishnan 1928]. This

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### 38. Research Publication in collaboration with other institutions

INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH  
P.Nammalvar et al., Vol.11, No.1, March, 2021

## Implementation of Double Loop Controller Tuned Super Lift Luo Converter and Unipolar Inverter for Solar Fed Grid Application

P.Nammalvar<sup>\*</sup>, S.Ramkumar<sup>\*\*</sup>, P.Meganathan<sup>\*\*\*</sup>, S.Ramesh<sup>\*\*\*\*</sup>

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Received: 28.12.2020 Accepted: 15.01.2021

**Abstract-** The main objective of this article is to generate Photovoltaic (PV) power generation with high power quality before it is connected to the grid. The PV side DC/DC conversion is done by Positive Output Elementary Super Lift Luo converter (POESLLC) with high voltage conversion ratio for better performance. The grid side AC conversion is achieved by adding a double loop controller and it is used to ensure less voltage variation in grid voltage during for line and load variations. DC power received from the solar panel is stabilized in the POESLLC converter with double loop controller, which consists of a PI controller on the outer loop and hysteresis current controller inner loop. In the second stage, open-loop Pulse Width Modulation (PWM) based unipolar full-bridge inverter is used to meet the power quality issues. This modified system avoids the closed-loop controller for inverter on grid side and also omits the Maximum Power Point Tracking (MPPT) algorithm in DC/DC conversion. The proposed system has some advantages such as fewer components, less weight and avoids complexity in controllers which inject steady current to the utility grid. The effectiveness of the converters is verified through MATLAB Simulink platform.

**Keywords** Solar PV; Double loop controller; Hysteresis current controller; Single Phase Unipolar Inverter (SPUPI); Luo Converter.

#### 1. Introduction

The electricity supplied by a PV power generation unit depends on the solar insolation and temperature. In tropical countries, the availability of solar power in abundance, hence the photovoltaic system can meet the emerging power demand. The initial expenditure, however, decreases the importance of the solar PV system even if there are virtually no operating costs and repair costs. PV panel cost alone approximately 57 % of the system total cost, the battery cost

[1] is around 30 % and the inverter cost along with MPPT control is around 7 % [2]. Numerous researches are going in the PV technology to reduce cost efforts. The cost of PV is anticipated to drop significantly per watt by 2020. On the other hand, the cost of other components [3] (DC/DC converter and inverter components, storage devices, instrumentation, etc.) must be reduced to reduce the total cost of a PV system. At PV cell level, the instrumentation involved in MPPT can be minimized [4]. In this article, to increase efficiency without MPPT and minimize cost



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## 41. Research Publication in collaboration with other institutions



Journal of Green Engineering (JGE)

Volume-10, Issue-11, November 2020

### Green Cloud Computing: An Extensive Survey In Selecting Multi-Objectives For Task Scheduling in Sustaining Energy Efficiency

<sup>1</sup>R.Vijayalakshmi and <sup>2</sup>S.K.V.Jayakumar

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#### Abstract

Cloud computing is a hot topic in resources planning and the planning of appropriate cloud workloads is focused on the Cloud application's QoS needs. Many methods for calculating cloud computing resources under several aspects have been developed. However, researchers continue to face problems in selecting the efficient and acceptable resource planning strategy for a specific workload based on existing resource planning techniques. The use of resources is the main aim of cloud planning, since resources are available as a service. The way cloud services are designed to serve the cloud user in the application layer is critical in cloud management and resource planning. In this text, we analyse algorithms based on two dimensions for resource scheduling. Firstly, the resources are configured on a QoS basis and the goals such as task making-up, user costs and app output optimise. First the cloud provider needs to prepare the proficient cloud resource to use the supply or to save carbon costs or renewable cloud resources. Under the division of three the current techniques are checked scheduling for user QoS, scheduling for provider efficiency, or scheduling for negotiation subcategories.

**Keywords:** Cloud, Scheduling, QoS, Makepan, Energy.

*Journal of Green Engineering, Vol.10, 11, 11369-11393.*

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### 42. Research Publication in collaboration with other institutions



Journal of Green Engineering (JGE)  
Volume 10, Issue-9, September 2020

#### Experimental Studies on Strength and Durability of Sustainable Concrete Using Bottom Ash by Replacement of Fine Aggregate

D.S.Vijayan,<sup>1</sup> A. Latha Rose,<sup>2</sup> V. Gokulnath,<sup>3</sup> D. Parthiban,<sup>4</sup> P. Omish  
<sup>5</sup> Suresh

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<sup>4</sup>Department of Civil Engineering, K. J. Somaiya Institute of Engineering and Technology, India.

#### Abstract

The experimental investigations has carried out to identify the effect of use on bottom ash which is replacement for fine aggregate. By adding the bottom ash in Concrete can be improved the strength and the cost of the concrete will be reduced. The waste materials which is extracted from the thermal power plant is harmful for human health so by using this materials in the concrete will be an eco-friendly for the environmental. Even though the cost of the sand is high by using the bottom as the cost will reduce up to 20%. The different types of strength and the properties of the concrete has been identified. To find the strength two different types of concrete test has be consists of compressive strength and flexural strength of the concrete beam. To development the strength of the concrete different percentages of bottom Ash has been add 0%, 10%,20%, 30% and 40% has replaced with fine aggregates. The concrete has various age of curing like 7days and 28days with two different types of water one is normal water and the salt water for compressive strength. The strength and durability of the concrete has been identified in this research.

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### 43. Research Publication in collaboration with other institutions

Materials Today: Proceedings 33 (2020) 794-798



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## High performance glass fiber reinforced concrete

Dinesh Kumar<sup>a,\*</sup>, L.K. Rex<sup>b</sup>, V.S. Sethuraman<sup>c</sup>, V. Gokulnath<sup>d</sup>, B. Saravanan<sup>e</sup>

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#### ABSTRACT

The research article outlines the experiment for the fresh properties of concrete and hardened concrete which is conducted to find the use of glass fibers with structural component like cube cylinder and beam. To find the strength and durability of M20 grade of concrete with Glass Fiber Reinforced Concrete (GFRC). GFRC is mixed with concrete in three different variations and identify the fresh properties of the concrete and the hardened strength of the concrete. GFRC varies from 0 to 1 percentage by mass of concrete and the properties of this FRC like compressive strength, toughness, modulus of elasticity and flexure strength were studied.

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Selection and Peer-review under responsibility of the scientific committee of the International Conference on Future Generation Functional Materials and Research 2020.

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### 44. Research Publication in collaboration with other institutions



## Journal of Green Engineering (JGE)

Volume-10, Issue-6, June 2020

### Green Composite Form of Eco - Friendly Concrete by Adding PVA Fiber

<sup>1,4</sup>D.S.Vijayan, <sup>2</sup>C.Nivetha, <sup>3</sup>P.Dinesh Kumar, <sup>4</sup>B.Saravanan,  
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<sup>5</sup> Saveetha School of Engineering, Saveetha Institute of Medical & Technical  
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#### Abstract

The ultimate aim of this research is to generate an Eco-friendly concrete by using polyvinyl alcohol fibers. The experimental investigation conducted for both the properties of fresh and harden properties of concrete which is to find the use of Polyvinyl alcohol fibers to the form of Eco-Friendly building. This type of concrete will be used as a greenhouse effect. To evaluate the strength of the harden concrete and durability of the fresh concrete which is made of M30 grade of concrete with additional added with Polyvinyl alcohol fibers (PAV). PAV Fibers has added with concrete which varies 0, 0.5, 1, 1.5, and 2 % by weight of fresh concrete and PAV fiber has conducted different types of structural experiments to determine the properties.

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**Interface Research Collaboration with Aarupadai Institute of Technology and Saveetha  
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## 45. Research Publication in collaboration with other institutions

International Journal of Advanced Science and Technology

Vol. 29, No. 7, (2020), pp. 2411-2423

### Experimental Investigation On Partial Replacement Of Coarse Aggregate With Shredded Rubber For Concrete

D.S.Vijayan<sup>1</sup>, Dinesh kumar<sup>2</sup>, Mohammed Aamir K.N<sup>3</sup>, Muhammed Shahim P.A<sup>3</sup>, Gokul Balagopal<sup>3</sup>

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#### Abstract

The work was conducted by leading tests on the crude materials to decide their properties and reasonableness for the test result analysis. Mixed proportion of concrete plans are readied utilizing IS code book technique for M30 evaluation of cement concrete. The sample specimen are casted with different rate substitutions of the coarse aggregate with shredded rubber as aggregate in the replacement by 5 %, 10%, 15% and 20%. In addition, a control concrete mix has made without adding of shredded rubber as aggregate in the grade of M30. But conducting the fresh concrete property and harden property of the concrete with control concrete and adding of differed percentage of shredded rubber as aggregate.

**Key Words:** Compressive strength, Concrete, Flexural strength, Shredded rubber and Modulus of elasticity

#### 1. INTRODUCTION

The waste administration is one of the major ecological concerns around the world. Throughout the previous 30 years numerous examinations have been led so as to evaluate the achievability of utilizing modern results and waste materials in structural designing applications. Broad examinations on wastage reusing are being executed to limit the ecological harms [1]. In such manner, development agents, as other reusing and creation businesses, have likewise accomplished advances in utilizing these waste materials. The non-recyclable materials enters the earth in car utilized tires.

These tires are regularly kept in an uncontrolled way, as a result of the perceptible fast exhaustion in locales accessible for squander removal, causing major natural issues [2]. Water amassing inside the tires gives perfect temperature and dampness conditions for the spread of mosquitoes, mice, rodents and vermin. Simultaneously, the amount of oxygen that exists in the inside of the tires is sufficient to cause fire in proper conditions, on account of their inflammable parts, with coming about negative effects on the environment and on human wellbeing.



## 46. Research Publication in collaboration with other institutions

Journal of Cleaner Production

Volume 216, 10 April 2019, Pages 461-481

### A sociocultural study on solar photovoltaic energy system in India: Stratification and policy implication

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Nammalvar Pachaiyannan<sup>d</sup>, M. Sowmya<sup>e</sup>, Santeevikumar Padmanaban<sup>f</sup>, Jens Bo Holm-Nielsen<sup>g</sup>, S. Xavier<sup>h</sup>,  
Senthil Kumar Periasamy<sup>i</sup>

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#### Highlights

- Rethinking: Sustainability and progress of solar energy sector in India.
- Key influence on energy policy and solar PV energy system.
- Energy policy-strategy set leveraging statistical methods for participatory planning.
- Policy implication for Solar PV energy system on the basis of pan-India survey.
- Identified major challenges associated with solar energy policy implementation.

#### Abstract

Cleaner production is a simple defensive mechanism to protect the environment from pollution and depletion of resources. It is also envisioned to minimise the waste and capitalise on natural resources with effective utilization. Solar energy is a natural resource which can be converted into electricity using photovoltaic (PV) system. This article sheds insights on the implementation of solar PV system with interdisciplinary views and analyse motives and barriers for PV adoption by different citizen groups in India.

**Interface Research Collaboration with Anna University Guindy Campus and Vellore Institute of Technology, Chennai Campus**



#### 47. Research Publication in collaboration with other institutions

## Enhanced approach using trust based decision making for secured wireless streaming video sensor networks

Open access    Published: 18 April 2019

Volume 79, pages 10157–10176, (2020)    [Cite this article](#)

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### Abstract

The advances in the expanse of image sensors have made it conceivable to make high-resolution picture sensors easily accessible. The amelioration of wireless interactive media sensor networks are found to be greatly increased due to the day to day usage of cameras, microphones and smart devices. A secured multi-hop routing mechanism is addressed in surveillance areas which could be incorporated to the multimedia sensors that are capable of peruse the detected data comprises of recorded images and videos. Also, malevolent sensor hubs could be interjected into the vigilance area in an untrusted

**Interface Research Collaboration with Sri Venkateswara College of Engineering**





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### 48. Research Publication in collaboration with other institute faculty members

The screenshot shows a Springer journal page. The title is "A Conjoint Edifice for QoS and QoE Through Video Transmission at Wireless Multimedia Sensor Networks". The authors are C. Venkatesh and P. Prabhakaran. The paper is part of the book series "Lecture Notes in Data Engineering and Communications Technologies (LNDECT)" and is included in the conference proceedings "International Conference on Innovative Data Communication Technologies and Applications (ICIDCA 2018)". The page includes a "Buy Chapter" button and a "Log in via an institution" button.

#### Abstract

The Myth of distributing multimedia content came to reality with the emancipation of Wireless Multimedia Sensor Networks (WMSNs). The proper management is needed to avoid the excessive packet drop during transmission of multimedia data over WMSNs. Existing QoS does not lead to increase in service nodes and volume of data in wireless sensor networks. This paper proposes to emphasize the QoS in WMSNs inspire of instantaneous Binary Error Concealment (EC) scheme. The sustainable quality for retaining the receiving ends is the prime aim for the Quality of Experience (QoE). The proposed key objectives of the edifice are to reduce the effects of looped video packets and to maximize its network. The variable Quantization Parameters (QP) are used to control the data rate at the multimedia sensor with Scalable High-efficiency Video Coding (SHVC). The real-time video transmission is expedited by the multipath routing. Experimental outcome reveals that the proposed edifice able to proficiently regulate network distortions under large volumes of video data and produce better objective measurements for lost video frames.

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#### 49. Research Publication in collaboration with other institutions



Engineering Advance

#### Factors influencing the performance and productivity of solar stills - A review

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#### ARTICLE INFO

**Keywords:**  
Desalination  
Solar still  
Performance  
Productivity  
Parameters  
Design improvements

#### ABSTRACT

Water scarcity is a major threat for future as the fresh water resources are being exploited and polluted rapidly by mankind. Hence, converting the brackish, saline water in to pure water is one of the viable solutions to overcome the demand for water. Desalination using solar still is simple among various techniques available for removal of salinity. The limitation being its productivity, researchers have consistently attempted to improve the performance of solar stills. This article reviews various factors that influence the performance of the solar still like solar radiation intensity, temperature difference, collector area, basin water depth, insulation, angle of inclination, thickness of glass cover plate, wind velocity and a few methods for improving the quantity of distillate produced. Such a review would benefit the knowledge society for further research and development of a solar still to make it an economically viable option.

#### Interface Research Collaboration with Pondicherry Engineering College



## 50. Research Publication in collaboration with other institutions

INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH  
P.Nammalvar et al., Vol.8, No.3, September, 2018

# Cost Effective Solitary Stage Single Phase Inverter for Solar PV Integration in to Grid

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**Abstract-** The ambitious plan exhibited in this paper is to develop a single-phase DC/AC grid-integrated, transformerless and cost-effective inverter for solar Photovoltaic (PV) systems. The costly combination of the two converters specifically DC/DC and DC/AC had inspired the development of this new financially cost effective inverter. This novel solitary stage converter has the capability to operate on both buck mode and buck-boost mode to harvest maximum power from two distinctive PV panels with the help of PI and hysteresis controller. The working principle and configuration of the proposed system are verified under equally, as well as incompatible climatological conditions and hence the system can endure a extensive deviation of voltage in both the PV panels. This inverter requires just four switches and is also free from the shoot-through problem. Owing to noticeable features such as dual MPP tracking, omission of transformer, exclusion of diodes, reduced switch count, negligible losses and wide operating voltage, these PV grid-tie inverters continue to work even during periods of partial shading due to clouds or dust. In addition, the viability of the inverter has been validated both by detailed simulation and exhaustive experimental studies on a 230V/50Hz/2000W research centre model.

**Keywords-** Grid integration, Harmonics, Renewable Energy, Solar Photovoltaic, Transformerless Inverter.

**Interface Research Collaboration with PSG Institute of Technology and Applied  
Research**



## 51. Research Publication in collaboration with other institutions

*Advances in Electrical and Computer Engineering*

*Volume 18, Number 1, 2018*

# Parameter Improved Particle Swarm Optimization Based Direct-Current Vector Control Strategy for Solar PV System

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**Abstract**—This paper projects Parameter Improved Particle Swarm Optimization (PIPSO) based direct current vector control technology for the integration of photovoltaic array in an AC micro-grid to enhance the system performance and stability. A photovoltaic system incorporated with AC micro-grid is taken as the pursuit of research study. The test system features two power converters namely, PV side converter which consists of DC-DC boost converter with Perturbation and Observe (P&O) MPPT control to reap most extreme power from the PV array, and grid side converter which consists of Grid Side-Voltage Source Converter (GS-VSC) with proposed direct current vector control strategy. The gain of the proposed controller is chosen from a set of three values obtained using a priori test and tuned through the PIPSO algorithm so that the Integral of Time multiplied Absolute Error (ITAE) between the actual and the desired DC link capacitor voltage reaches a minimum and allows the system to extract maximum power from PV system, whereas the existing d-q control strategy is found to perform slowly to control the DC link voltage under varying solar insolation and load fluctuations. From simulation results, it is evident that the proposed optimal control technique provides robust control and improved efficiency.

**Index Terms**—solar energy, particle swarm optimization, optimal control, power conditioning, microgrids.

3.5.1. Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
<b>LIST OF ACTIVITIES UNDER LINKAGES AY 2018-2023</b>							
52	Book Publication (Electrical Circuits and Simulation Practical)	Sri Ganesh College of Engineering and Technology	2023	Linkage Book Publication	2 years	<a href="https://kcet.in/wp-content/uploads/2024/07/4.pdf">https://kcet.in/wp-content/uploads/2024/07/4.pdf</a>	<a href="https://kcet.in/wp-content/uploads/2024/07/4.pdf">https://kcet.in/wp-content/uploads/2024/07/4.pdf</a>
53	Book Publication (Electrical Machines -1)	Sri Ganesh College of Engineering and Technology	2023	Linkage Book Publication	2 years	<a href="https://srikrishnabookbazaar.com/product/electrical-machines-i/">https://srikrishnabookbazaar.com/product/electrical-machines-i/</a>	<a href="https://srikrishnabookbazaar.com/product/electrical-machines-i/">https://srikrishnabookbazaar.com/product/electrical-machines-i/</a>
54	Book Publication (Linear Integrated Circuits)	Sri Ganesh College of Engineering and Technology	2023	Linkage Book Publication	1 year	<a href="https://booksdelivery.com/linear-integrated-circuits-by-periyaazhagar-raja-saranya-from-srikrishna-hitech-publications-2021?search=periyaazhagar&amp;description=true">https://booksdelivery.com/linear-integrated-circuits-by-periyaazhagar-raja-saranya-from-srikrishna-hitech-publications-2021?search=periyaazhagar&amp;description=true</a>	<a href="https://booksdelivery.com/linear-integrated-circuits-by-periyaazhagar-raja-saranya-from-srikrishna-hitech-publications-2021?search=periyaazhagar&amp;description=true">https://booksdelivery.com/linear-integrated-circuits-by-periyaazhagar-raja-saranya-from-srikrishna-hitech-publications-2021?search=periyaazhagar&amp;description=true</a>
55	Book Publication (A Beginners Guide for Network Security)	Jerusalem College of Engineering	2023	Linkage Book Publication	2 years	<a href="#">Raja Rammohun Roy National Agency for ISBN</a>	<a href="#">Raja Rammohun Roy National Agency for ISBN</a>
56	Book Publication (Control of Electrical Machines)	Thangam Muthu Polytechnic College	2022	Linkage Book Publication	3 years	<a href="https://kcet.in/wp-content/uploads/2024/07/8.pdf">https://kcet.in/wp-content/uploads/2024/07/8.pdf</a>	<a href="https://kcet.in/wp-content/uploads/2024/07/8.pdf">https://kcet.in/wp-content/uploads/2024/07/8.pdf</a>
57	Book Publication (Physics for Electronics Engineering)	Sengunthar College of Engineering	2022	Linkage Book Publication	3 years	<a href="https://thecharulathapublications.com/book/anna-university/regulations-2021/2nd-semester-regulations-2021/physics-for-electronics-engineering/">https://thecharulathapublications.com/book/anna-university/regulations-2021/2nd-semester-regulations-2021/physics-for-electronics-engineering/</a>	<a href="https://thecharulathapublications.com/book/anna-university/regulations-2021/2nd-semester-regulations-2021/physics-for-electronics-engineering/">https://thecharulathapublications.com/book/anna-university/regulations-2021/2nd-semester-regulations-2021/physics-for-electronics-engineering/</a>

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
58	Book Publication (Physics for Information Science)	Jai Shriram Engineering College	2022	Linkage Book Publication	3 years	<a href="https://thecharulathapublications.com/book/anna-university/regulations-2021/2nd-semester-regulations-2021/physical-for-information-science/">https://thecharulathapublications.com/book/anna-university/regulations-2021/2nd-semester-regulations-2021/physical-for-information-science/</a>	<a href="https://thecharulathapublications.com/book/anna-university/regulations-2021/2nd-semester-regulations-2021/physical-for-information-science/">https://thecharulathapublications.com/book/anna-university/regulations-2021/2nd-semester-regulations-2021/physical-for-information-science/</a>
59	Book Publication (Microprocessor and Microcontroller)	Thangam Muthu Polytechnic College	2022	Linkage Book Publication	3 years	<a href="https://booksdelivery.com/microprocessor-and-microcontroller-by-periyazhagar-raja-saranya-from-sri-krishna-hitech-publications-2021?search=periyazhagar&amp;description=true">https://booksdelivery.com/microprocessor-and-microcontroller-by-periyazhagar-raja-saranya-from-sri-krishna-hitech-publications-2021?search=periyazhagar&amp;description=true</a>	<a href="https://booksdelivery.com/microprocessor-and-microcontroller-by-periyazhagar-raja-saranya-from-sri-krishna-hitech-publications-2021?search=periyazhagar&amp;description=true">https://booksdelivery.com/microprocessor-and-microcontroller-by-periyazhagar-raja-saranya-from-sri-krishna-hitech-publications-2021?search=periyazhagar&amp;description=true</a>
60	Book Publication (Sensor and Transducer)	Karpagam College of Engineering and Sri Ganesh College of Engineering and Technology	2022	Linkage Book Publication	3 years	<a href="https://booksdelivery.com/index.php?route=product/product&amp;product_id=2414&amp;search=Sensor+and+Transducer&amp;description=true">https://booksdelivery.com/index.php?route=product/product&amp;product_id=2414&amp;search=Sensor+and+Transducer&amp;description=true</a>	<a href="https://booksdelivery.com/index.php?route=product/product&amp;product_id=2414&amp;search=Sensor+and+Transducer&amp;description=true">https://booksdelivery.com/index.php?route=product/product&amp;product_id=2414&amp;search=Sensor+and+Transducer&amp;description=true</a>
61	Book Publication (Electrical and Electronics Engineering Practical)	Bharat Niketan Polytechnic College	2021	Linkage Book Publication	3 years	<a href="https://kcet.in/wp-content/uploads/2024/07/15.pdf">https://kcet.in/wp-content/uploads/2024/07/15.pdf</a>	<a href="https://kcet.in/wp-content/uploads/2024/07/15.pdf">https://kcet.in/wp-content/uploads/2024/07/15.pdf</a>
62	Book Publication (Engineering Physics Regulator 2021)	Solamalai College of Engineering and Stella Mary's College of Engineering	2021	Linkage Book Publication	3 years	<a href="https://jayshriram.edu.in/wp-content/uploads/2023/12/3.3.2-Engineering-Physics.pdf">https://jayshriram.edu.in/wp-content/uploads/2023/12/3.3.2-Engineering-Physics.pdf</a>	<a href="https://jayshriram.edu.in/wp-content/uploads/2023/12/3.3.2-Engineering-Physics.pdf">https://jayshriram.edu.in/wp-content/uploads/2023/12/3.3.2-Engineering-Physics.pdf</a>
63	Book Publication (Electrical and Instrumentation Engineering)	Karpagam College of Engineering and IFET College of Engineering	2021	Linkage Book Publication	2 years	<a href="https://booksdelivery.com/electrical-and-instrumentation-engineering-by-balamurugan-from-magnus-publishers?search=Periyazhagar&amp;description=true">https://booksdelivery.com/electrical-and-instrumentation-engineering-by-balamurugan-from-magnus-publishers?search=Periyazhagar&amp;description=true</a>	<a href="https://booksdelivery.com/electrical-and-instrumentation-engineering-by-balamurugan-from-magnus-publishers?search=Periyazhagar&amp;description=true">https://booksdelivery.com/electrical-and-instrumentation-engineering-by-balamurugan-from-magnus-publishers?search=Periyazhagar&amp;description=true</a>
64	Book Publication (Power System Operation and Control)	Sri Krishna Hitech Publishing Company Pvt.Ltd	2020	Linkage Book Publication	4 years	<a href="https://booksdelivery.com/index.php?route=product/product&amp;product_id=2495&amp;search=periyazhagar&amp;description=true">https://booksdelivery.com/index.php?route=product/product&amp;product_id=2495&amp;search=periyazhagar&amp;description=true</a>	<a href="https://booksdelivery.com/index.php?route=product/product&amp;product_id=2495&amp;search=periyazhagar&amp;description=true">https://booksdelivery.com/index.php?route=product/product&amp;product_id=2495&amp;search=periyazhagar&amp;description=true</a>

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
65	Book Publication (High Voltage Direct Current Transmission)	Thangam Muthu Polytechnic College	2020	Linkage Book Publication	3 years	<a href="https://kcet.in/wp-content/uploads/2024/07/HVDC.pdf">https://kcet.in/wp-content/uploads/2024/07/HVDC.pdf</a>	<a href="https://kcet.in/wp-content/uploads/2024/07/HVDC.pdf">https://kcet.in/wp-content/uploads/2024/07/HVDC.pdf</a>
66	Book Publication (Electronics Circuits-1)	Thangam Muthu Polytechnic College	2020	Linkage Book Publication	3 years	<a href="https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2448&amp;page=6">https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2448&amp;page=6</a>	<a href="https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2448&amp;page=6">https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2448&amp;page=6</a>
67	Book Publication (Basics of Biomedical Instrumentation)	Karpagam College of Engineering	2020	Linkage Book Publication	3 years	<a href="https://kcet.in/wp-content/uploads/2024/07/BBMI.pdf">https://kcet.in/wp-content/uploads/2024/07/BBMI.pdf</a>	<a href="https://kcet.in/wp-content/uploads/2024/07/BBMI.pdf">https://kcet.in/wp-content/uploads/2024/07/BBMI.pdf</a>
68	Book Publication (Embedded and Real Time Systems)	Sri Ganesh College of Engineering and Technology	2020	Linkage Book Publication	2 years	<a href="https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2501&amp;page=7">https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2501&amp;page=7</a>	<a href="https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2501&amp;page=7">https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2501&amp;page=7</a>
69	Book Publication (Electric Energy Generation , Utiliation and Conservation)	Thangam Muthu Polytechnic College	2020	Linkage Book Publication	4 years	<a href="https://kcet.in/wp-content/uploads/2024/07/EEGU.pdf">https://kcet.in/wp-content/uploads/2024/07/EEGU.pdf</a>	<a href="https://kcet.in/wp-content/uploads/2024/07/EEGU.pdf">https://kcet.in/wp-content/uploads/2024/07/EEGU.pdf</a>
70	Book Publication (Renewable Energy Systems)	PSV College of Engineering and Technology	2020	Linkage Book Publication	2years	<a href="https://booksdelivery.com/index.php?route=product/product&amp;product_id=2496&amp;search=perivaazhagar&amp;description=true">https://booksdelivery.com/index.php?route=product/product&amp;product_id=2496&amp;search=perivaazhagar&amp;description=true</a>	<a href="https://booksdelivery.com/index.php?route=product/product&amp;product_id=2496&amp;search=perivaazhagar&amp;description=true">https://booksdelivery.com/index.php?route=product/product&amp;product_id=2496&amp;search=perivaazhagar&amp;description=true</a>
71	Book Publication (Control System)	Sri Ganesh College of Engineering and Technology	2020	Linkage Book Publication	3 years	<a href="https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2564&amp;page=4">https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2564&amp;page=4</a>	<a href="https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2564&amp;page=4">https://booksdelivery.com/sri-krishna-hitech-publishing-company?product_id=2564&amp;page=4</a>

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
72	Book Publication (Engineering Physics Regulaton 2017)	Solamalai College of Engineering	2020	Linkage Book Publication	2 years	<a href="https://www.charulathapublications.com/products/engineering-physics">https://www.charulathapublications.com/products/engineering-physics</a>	<a href="https://www.charulathapublications.com/products/engineering-physics">https://www.charulathapublications.com/products/engineering-physics</a>
73	Book Publication (Power Quality)	Sri Ganesh College of Engineering and Technology	2019	Linkage Book Publication	2 years	<a href="https://booksdelivery.com/index.php?route=product/product&amp;product_id=2590&amp;search=power+quality&amp;description=true">https://booksdelivery.com/index.php?route=product/product&amp;product_id=2590&amp;search=power+quality&amp;description=true</a>	<a href="https://booksdelivery.com/index.php?route=product/product&amp;product_id=2590&amp;search=power+quality&amp;description=true">https://booksdelivery.com/index.php?route=product/product&amp;product_id=2590&amp;search=power+quality&amp;description=true</a>
74	Book Publication (Python Programming)	Sri Venkateswara College of Engineering	2019	Linkage Book Publication	3 years	<a href="https://ipc.in.net/product/python-programming/">https://ipc.in.net/product/python-programming/</a>	<a href="https://ipc.in.net/product/python-programming/">https://ipc.in.net/product/python-programming/</a>
75	Railways and Highways Contractor	Railways and Highways Contractor	2022	Consultancy - Testing	2 weeks	<a href="#">Railways-and-Highways-Contractor-consultancy-details.pdf (kcet.in)</a>	<a href="#">Railways-and-Highways-Contractor-consultancy-details.pdf (kcet.in)</a>
76	Mata Amritanandamayi Math	Mata Amritanandamayi Math	2022	Consultancy - Testing	7 weeks	<a href="#">Mata-Amirta-consultancy-details.pdf (kcet.in)</a>	<a href="#">Mata-Amirta-consultancy-details.pdf (kcet.in)</a>
77	Railways and Highways contractor	Railways and Highways contractor	2022	Consultancy - Testing	2 weeks	<a href="#">Railways-and-Highways-contractor.pdf (kcet.in)</a>	<a href="#">Railways-and-Highways-contractor.pdf (kcet.in)</a>
78	Jeevan Ready Mix Concrete	Jeevan Ready Mix Concrete	2021	Consultancy - Testing	2 weeks	<a href="#">Jeevan-Ready-Mix-Concrete-consultancy-details.pdf (kcet.in)</a>	<a href="#">Jeevan-Ready-Mix-Concrete-consultancy-details.pdf (kcet.in)</a>



Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
79	M.R.C. Mills Private Limited	M.R.C. Mills Private Limited	2021	Consultancy - Testing	1 week	<a href="#">M.R.C.-Mills-Private-Limited-consultancy-details.pdf (kcet.in)</a>	<a href="#">M.R.C.-Mills-Private-Limited-consultancy-details.pdf (kcet.in)</a>
80	Tamilnadu Water Investment Company Limited	Tamilnadu Water Investment Company Limited	2020	Consultancy - Testing	3 weeks	<a href="#">Tamilnadu-water-investment-consultancy-details.pdf (kcet.in)</a>	<a href="#">Tamilnadu-water-investment-consultancy-details.pdf (kcet.in)</a>
81	Unios Infracon Pvt. Ltd.	Unios Infracon Pvt. Ltd.	2019	Consultancy - Testing	1 week	<a href="#">Unios-Infracon-consultancy-details.pdf (kcet.in)</a>	<a href="#">Unios-Infracon-consultancy-details.pdf (kcet.in)</a>
82	Citizen Consumer and Civic Action Group	Citizen Consumer and Civic Action Group	2019	Consultancy	8 months	<a href="#">CAG-Agreement-consultancy-details.pdf (kcet.in)</a>	<a href="#">CAG-Agreement-consultancy-details.pdf (kcet.in)</a>
83	EICL Limited	EICL Limited	2019	Consultancy Testing	2 weeks	<a href="#">EICL-Limited-consultancy-details.pdf (kcet.in)</a>	<a href="#">EICL-Limited-consultancy-details.pdf (kcet.in)</a>
84	EICL Limited	EICL Limited	2019	Consultancy Testing	1 month	<a href="#">EICL-Limited-2-consultancy-details.pdf (kcet.in)</a>	<a href="#">EICL-Limited-2-consultancy-details.pdf (kcet.in)</a>
85	Prem Engineering	Prem Engineering	2019	Consultancy Testing	2 weeks	<a href="#">Prem-Engineering-consultancy-details.pdf (kcet.in)</a>	<a href="#">Prem-Engineering-consultancy-details.pdf (kcet.in)</a>

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document
86	EN-Tech Constructions	EN-Tech Constructions	2019	Consultancy Testing	1 week	<a href="#">EN-Tech-construction-consultancy-details.pdf (kcet.in)</a>	<a href="#">EN-Tech-construction-consultancy-details.pdf (kcet.in)</a>
87	Feedback Infra Private Limited	Feedback Infra Private Limited	2019	Consultancy Testing	1 week	<a href="#">Feedback-Infra-limited-consultancy-details.pdf (kcet.in)</a>	<a href="#">Feedback-Infra-limited-consultancy-details.pdf (kcet.in)</a>
88	KEC International Limited	KEC International Limited	2018	Consultancy Testing	3 weeks	<a href="#">KEC-International-limited-consultancy-details.pdf (kcet.in)</a>	<a href="#">KEC-International-limited-consultancy-details.pdf (kcet.in)</a>

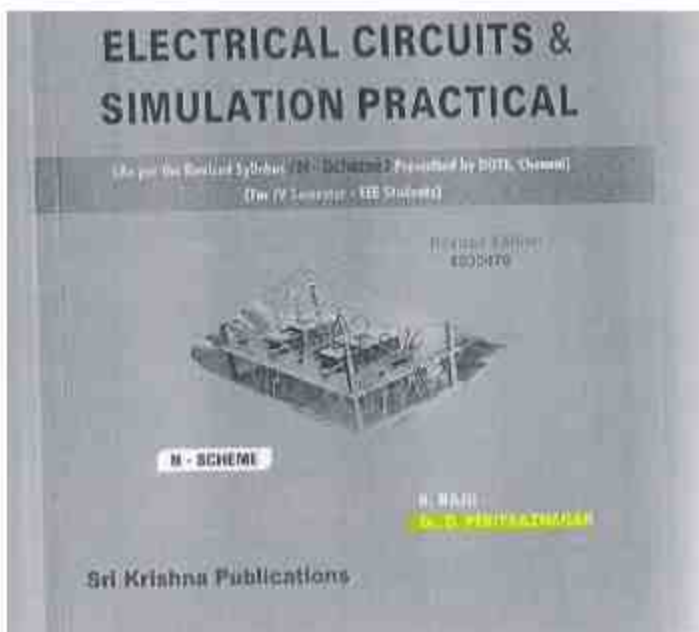


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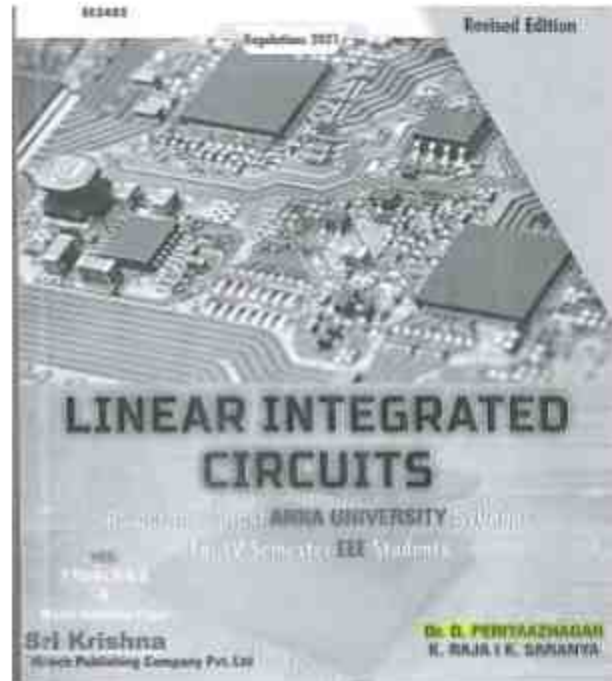
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**AUTHORS**

**Dr. S. Ramakrishna**

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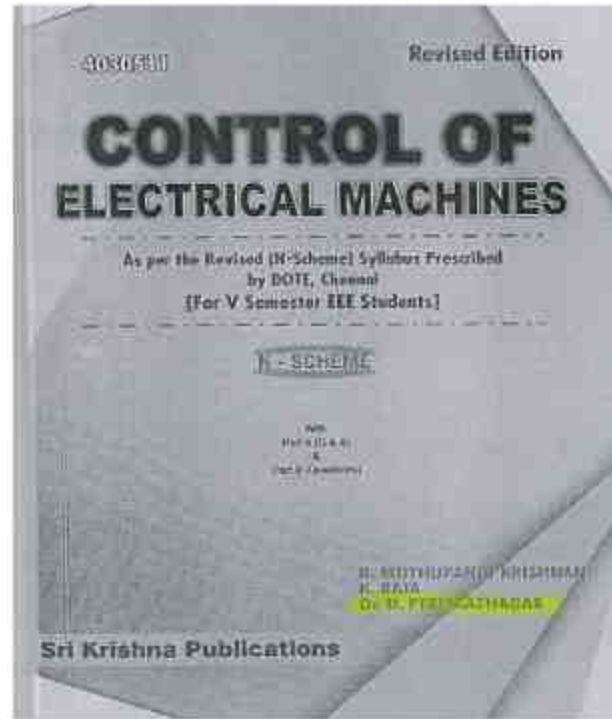
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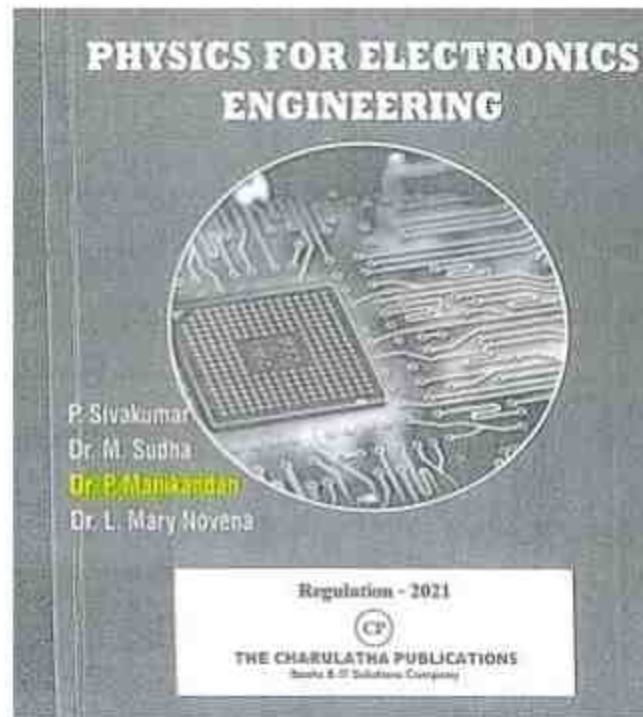


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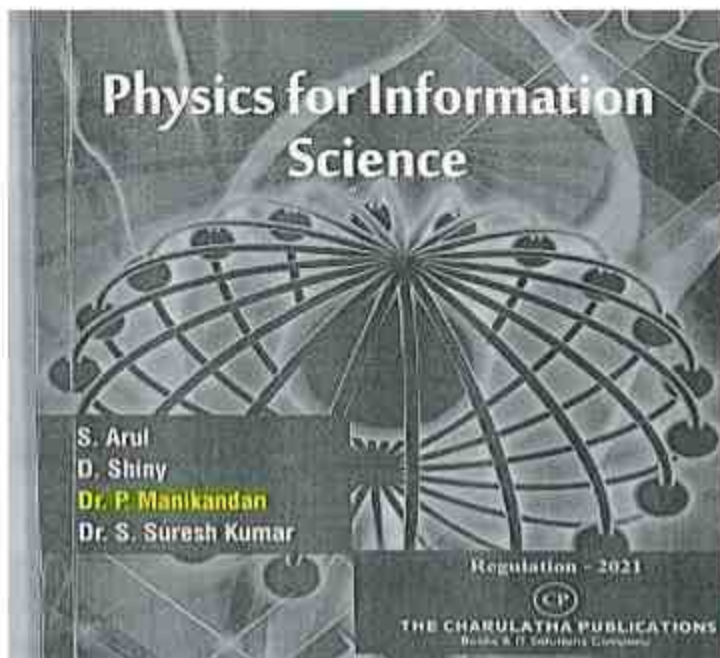


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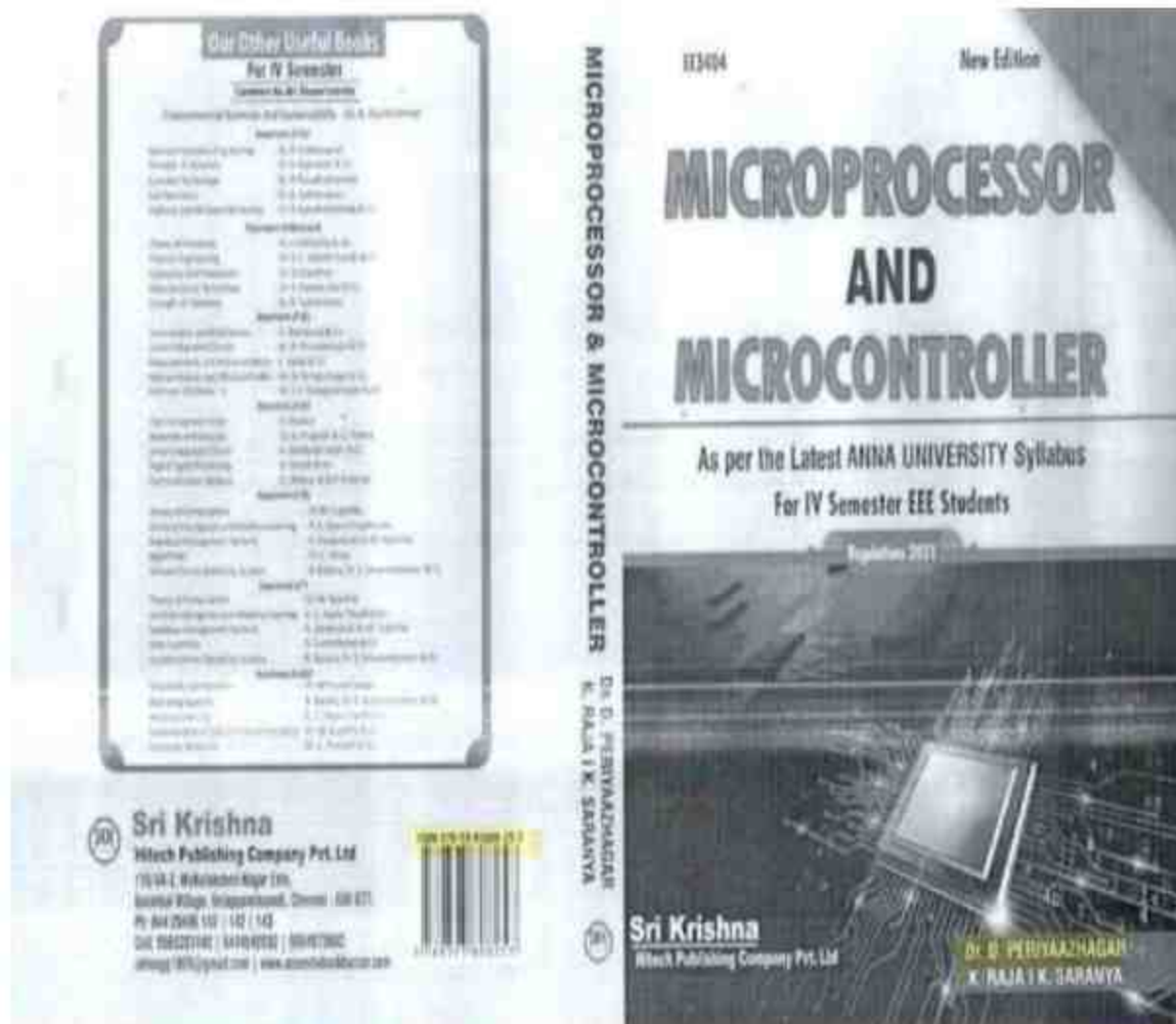


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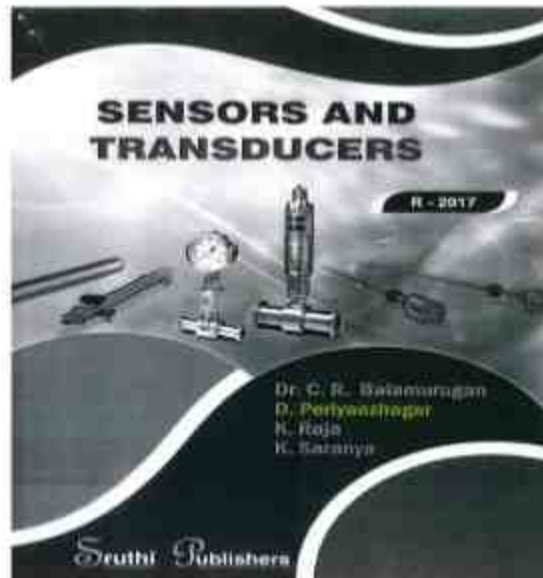


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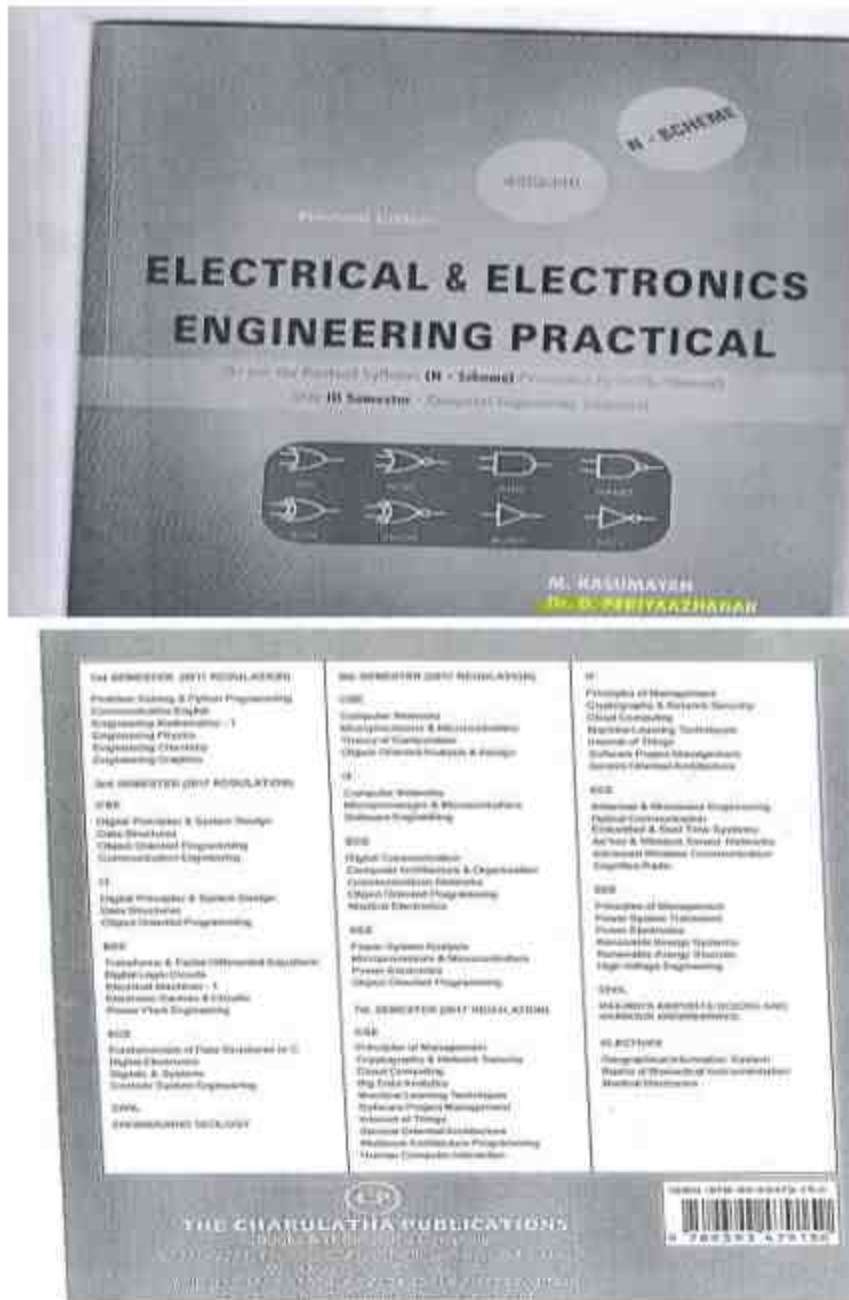


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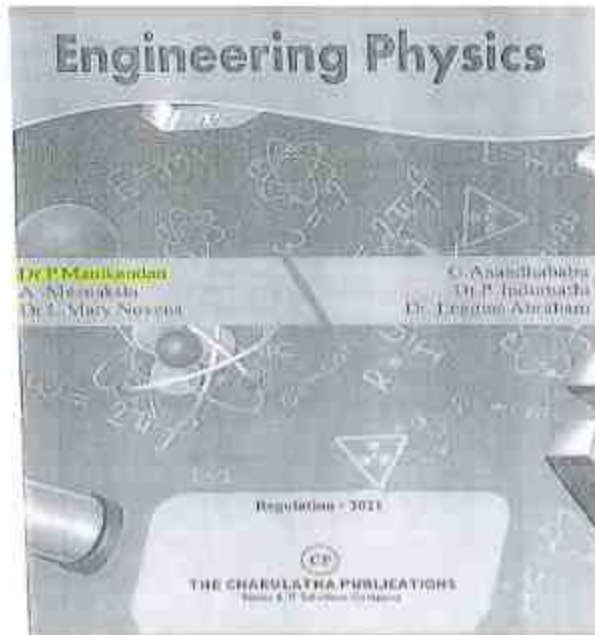


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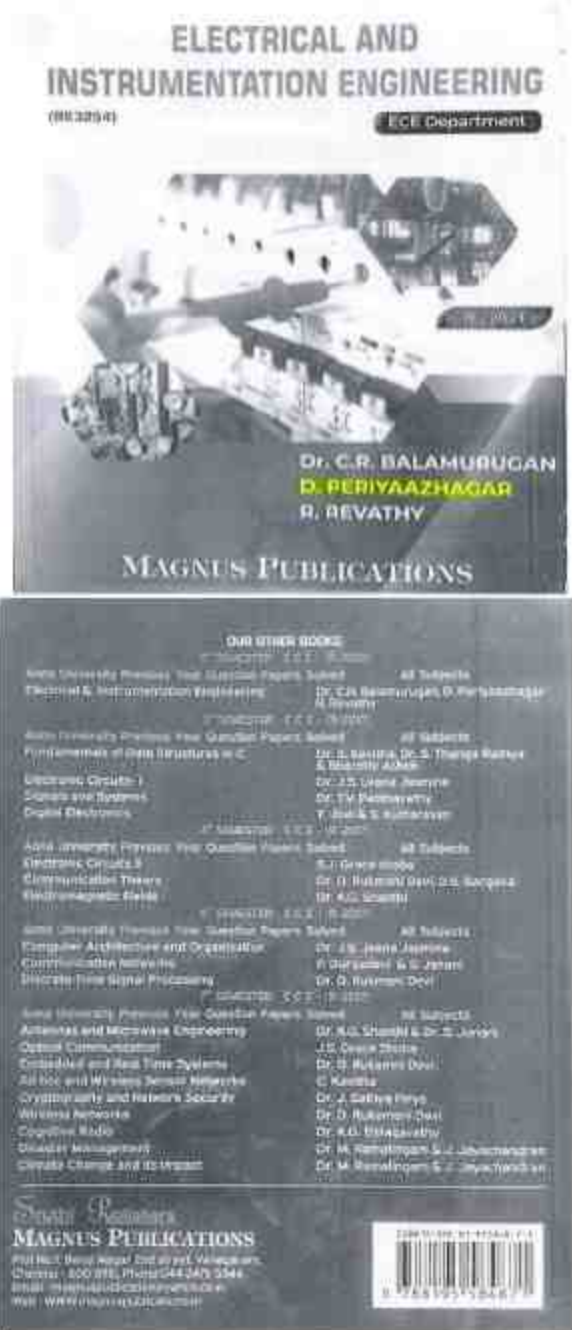


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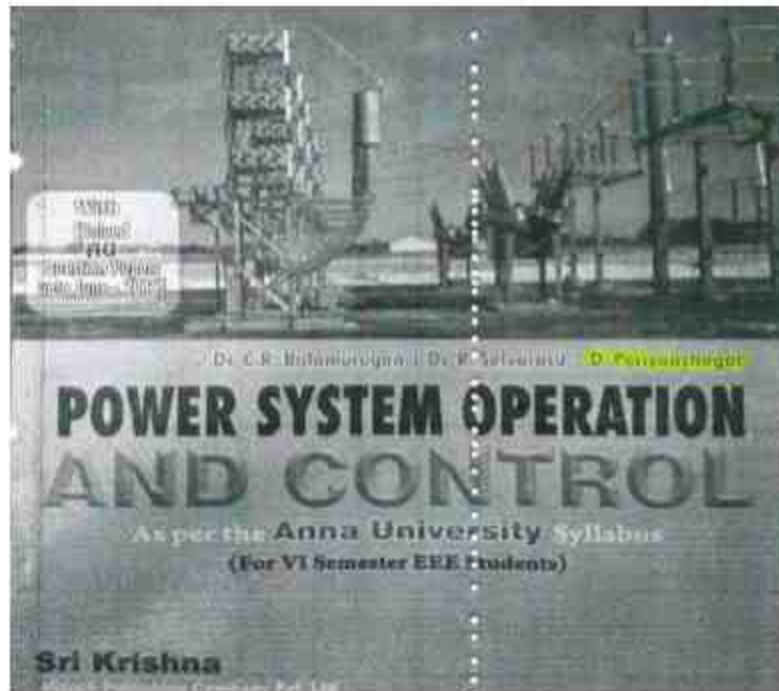


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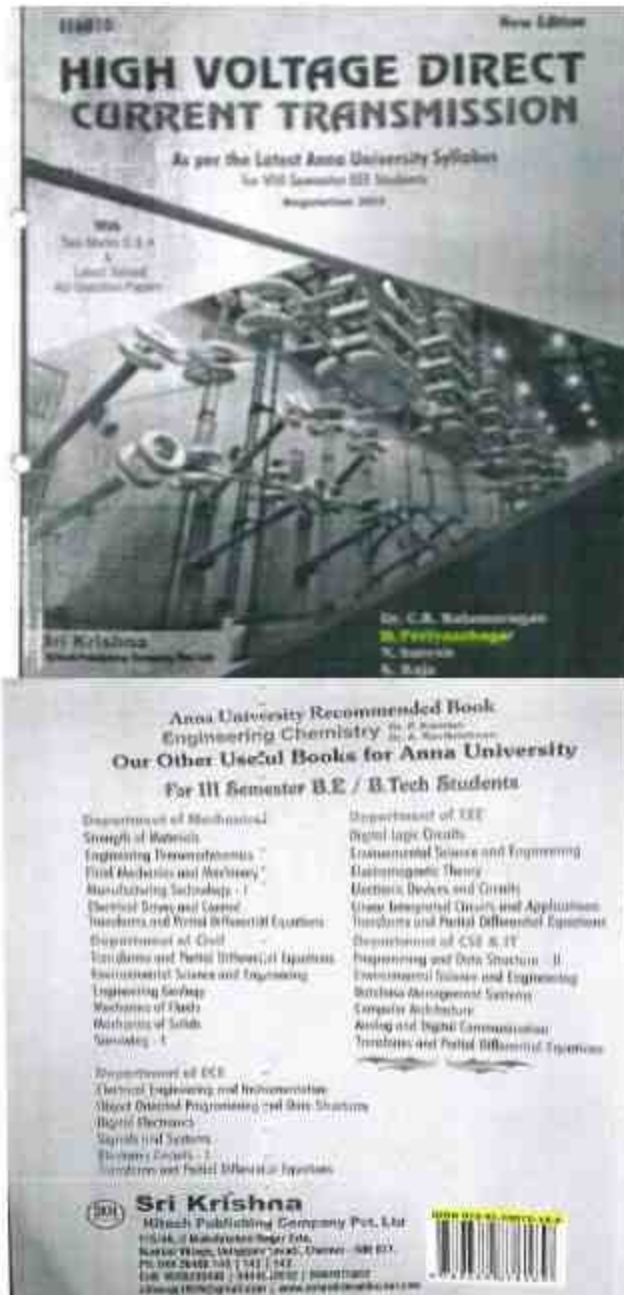


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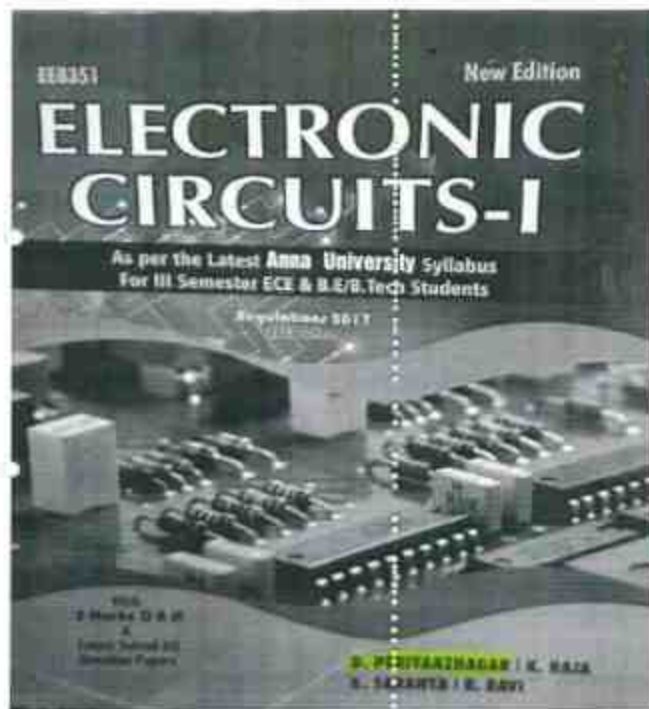


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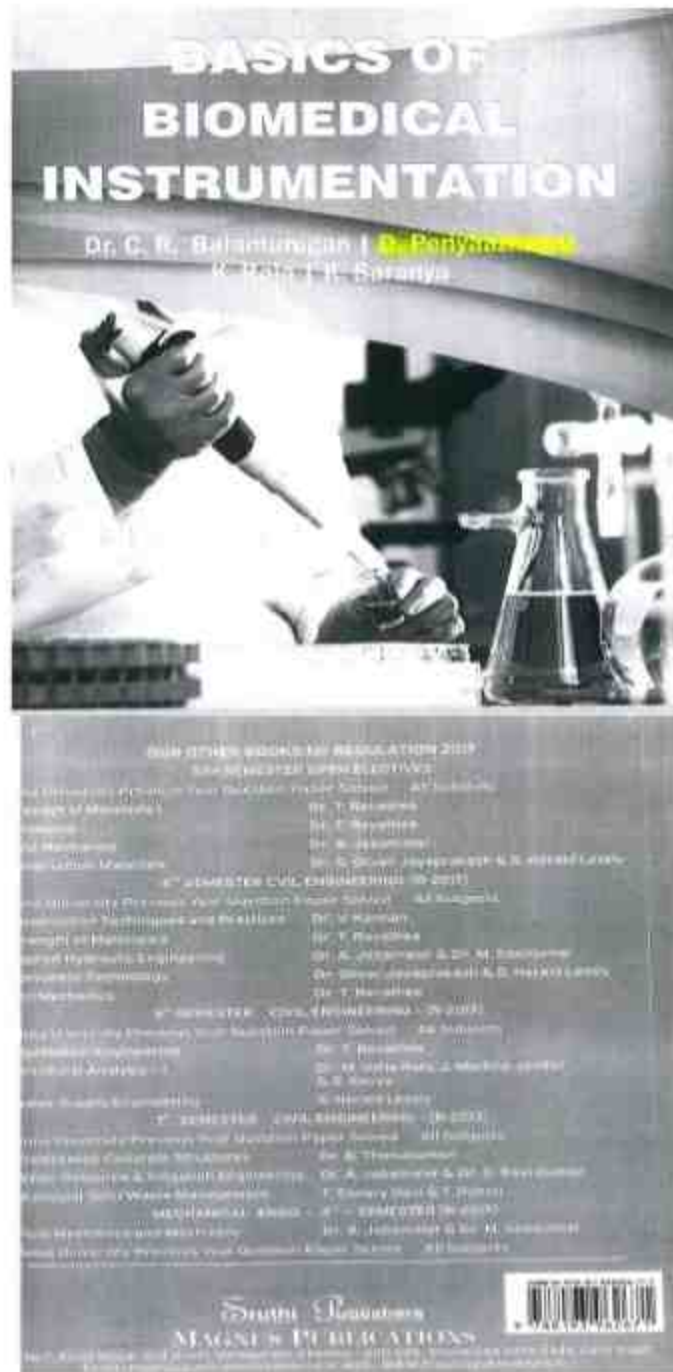
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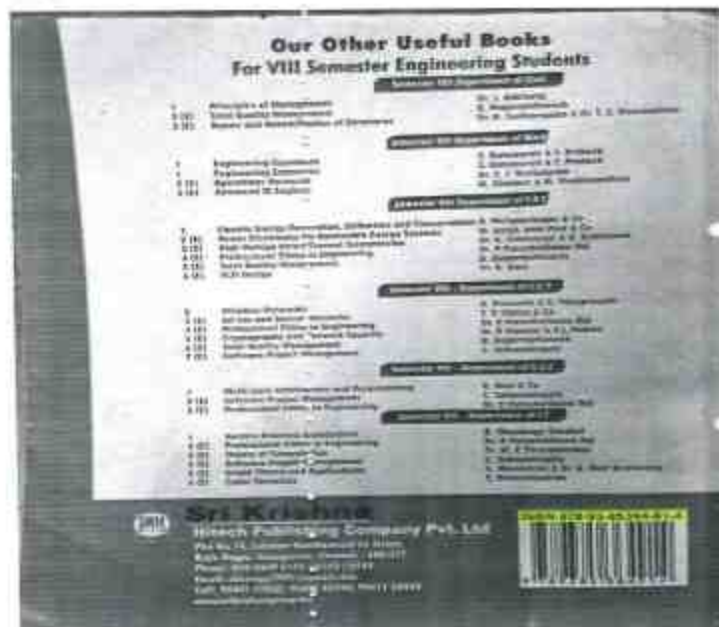


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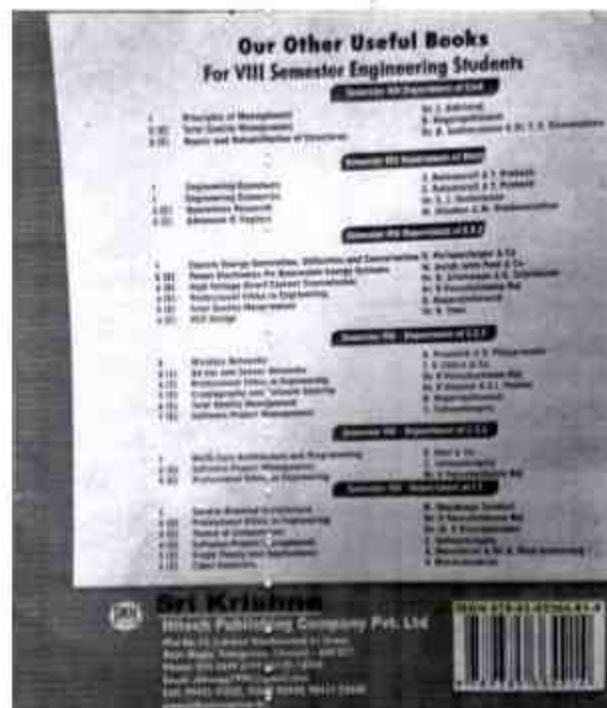
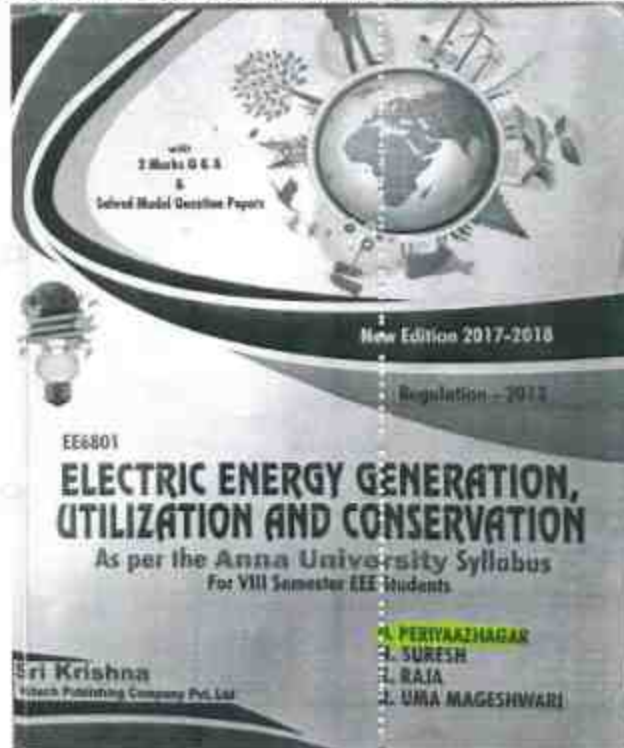
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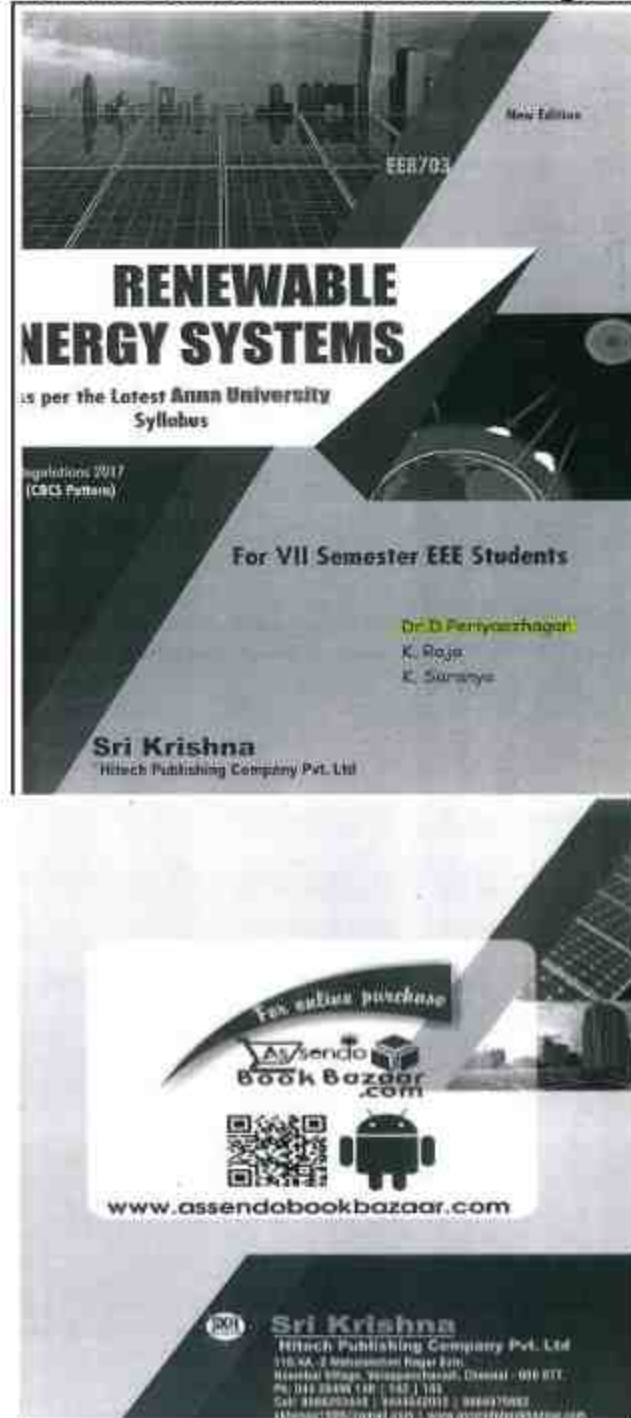


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2	C Programming and Data Structures	Dr. S. Subramaniam & Co
3	Signals and Systems	Dr. A. Manikandan Raja
4	Electronic Devices and Circuits	Dr. S. Periyaswami & Co
5	Control Systems	Dr. D. Periyaswami & Co
6	Digital System Design	Dr. S.M. Anand & Co

**ESTIMATION OF A/C**

1	Discrete Mathematics	Dr. A. Chandrasekar
2	Digital Principles and computer organization	Dr. D. Periyaswami & Co
3	Foundations of Data Structure	Dr. R. Saranya & Co
4	Data Structures	Dr. S. Subramaniam
5	Matrix Operations Programming	Dr. S. Subramaniam & Co

**INTRODUCTION TO A/C**

1	Discrete Mathematics	Dr. A. Chandrasekar
2	Digital Principles and computer organization	Dr. D. Periyaswami & Co
3	Foundations of Data Structure	Dr. R. Saranya & Co
4	Data Structures and Algorithms	Dr. C. Dhyan & Co
5	Object Oriented Programming	Dr. A. Subramanian & Co

**INTRODUCTION TO A/C**

1	Discrete Mathematics	Dr. A. Chandrasekar
2	Digital Principles and computer organization	Dr. D. Periyaswami & Co
3	Database Design and Management	K. Senthilnelli & Co
4	Design and Analysis of Algorithms	K. Senthilnelli & Co
5	Data Structures and Problem Solving	Dr. C. Dhyan & Co
6	Artificial intelligence	Dr. P.A. Siva Kumar & Co

Linkage with Sri Ganesh College of Engineering and Technology

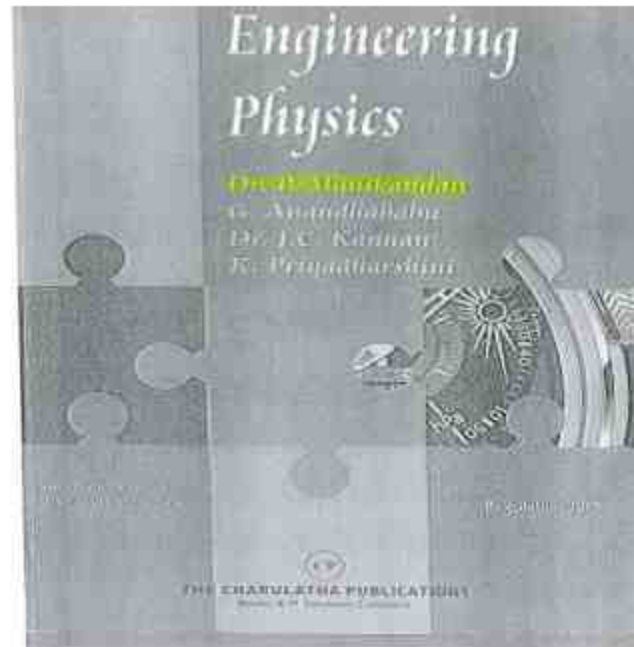


# **KRISHNASAMY**

## *College of* **ENGINEERING & TECHNOLOGY**

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### 72. Book Publication in collaboration with other college faculty members





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### 73. Book Publication in collaboration with other institute faculty members

#### Our Other Useful Books for Anna University

Department of EE		Department of EEE	
Principles of Electrical Machines	D. K. Subramani	Introduction to Power Electronics	D. Rajan
Power Electronics	D. K. Subramani	Microprocessors	S. S. Kumar
Power Electronics - II	D. K. Subramani	Microprocessors - II	S. S. Kumar
Power Electronics - III	D. K. Subramani	Microprocessors - III	S. S. Kumar
Power Electronics - IV	D. K. Subramani	Microprocessors - IV	S. S. Kumar
Power Electronics - V	D. K. Subramani	Microprocessors - V	S. S. Kumar
Power Electronics - VI	D. K. Subramani	Microprocessors - VI	S. S. Kumar
Power Electronics - VII	D. K. Subramani	Microprocessors - VII	S. S. Kumar
Power Electronics - VIII	D. K. Subramani	Microprocessors - VIII	S. S. Kumar
Power Electronics - IX	D. K. Subramani	Microprocessors - IX	S. S. Kumar
Power Electronics - X	D. K. Subramani	Microprocessors - X	S. S. Kumar
Power Electronics - XI	D. K. Subramani	Microprocessors - XI	S. S. Kumar
Power Electronics - XII	D. K. Subramani	Microprocessors - XII	S. S. Kumar
Power Electronics - XIII	D. K. Subramani	Microprocessors - XIII	S. S. Kumar
Power Electronics - XIV	D. K. Subramani	Microprocessors - XIV	S. S. Kumar
Power Electronics - XV	D. K. Subramani	Microprocessors - XV	S. S. Kumar
Power Electronics - XVI	D. K. Subramani	Microprocessors - XVI	S. S. Kumar
Power Electronics - XVII	D. K. Subramani	Microprocessors - XVII	S. S. Kumar
Power Electronics - XVIII	D. K. Subramani	Microprocessors - XVIII	S. S. Kumar
Power Electronics - XIX	D. K. Subramani	Microprocessors - XIX	S. S. Kumar
Power Electronics - XX	D. K. Subramani	Microprocessors - XX	S. S. Kumar

**Linkage with Sri Ganesh College of Engineering and Technology and PSV College of Engineering and Technology**



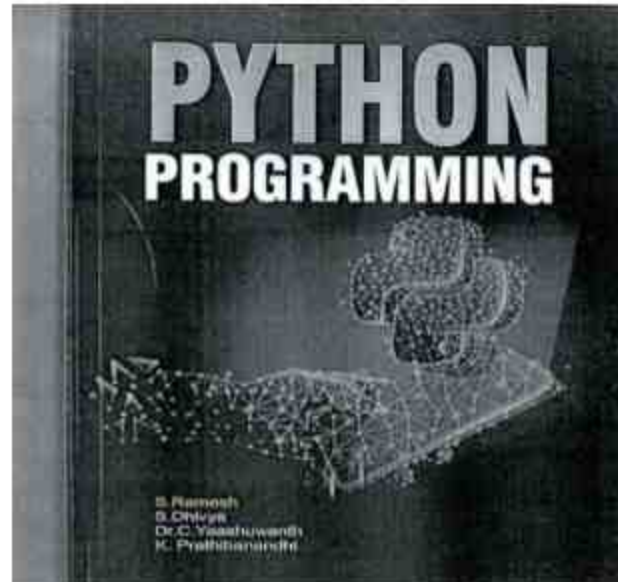


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## **74. Book Publication in collaboration with other college faculty members**



Authors:

**Mr. S. Ramesh**  
**Ms. S. Dhivya**  
**Dr. C. Yaashuwanth**  
**Ms. K. Prathibanandhi**

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First Edition October 2020

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Chennai - 600 052.  
Mobile: 9790911374 / 9962578190  
E-Mail: director@jpc.in.net

**Linkage with Sri Venkateswara College of Engineering**



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### 75. Consultancy – Railways and Highways Contractors Dated:27.04.2022

FROM: M. Rajkumar,  
Railways & Highways Contractors,  
114 Main, 114, Tirupattur,  
Tamil Nadu.

TO: The Principal,  
Krishnasamy Engineering College,  
Cuddalore.

RE: Current test work.  
Enclosed are two copies of  
the test work done in the  
month of March 2022. Please  
refer to the enclosed copy for  
details. The enclosed are for  
your reference.

Yours faithfully,  
M. RAJKUMAR  
Principal  
114 Main, 114, Tirupattur,  
Tamil Nadu.

Date: 27.04.2022  
Place: Tirupattur

M. Rajkumar  
Principal

### Inward Letter

REGISTRATION NUMBER OF CRG & TECHNOLOGY  
ANAND NAGAR: 04142/285 601-604    CUDALORE: 04142/285 601-604  
PHONE: 04142/285 601-604    FAX: 04142/285 601-604

RECEIVED

REGISTER NO: 114/2022    DATE: 27/04/2022

NAME: M. RAJKUMAR, 114 MAIN ROAD, TIRUPATTUR

AMOUNT	AMOUNT
1,000.00	1,000.00
1,000.00	1,000.00

TOTAL TO BE PAID - 2,000.00



### Bill receipt for testing



# KRISHNASAMY

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KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY

ANAND NAGAR, S.KUMARAPURAM, CUDDALORE- 607109

DEPARTMENT OF CIVIL ENGINEERING

Receipt No.FC21/04307, Dt.27/04/2022

Date : 09.05.2022

To

Mr.MRAJKUMAR,  
HIGHWAY CONTRACTOR,  
No:8-7, MB COMPLEX,  
PAPER MILL ROAD, TAJ NAGAR,  
SPB COLONY, ERODE- 10

V. Deshpande  
09/05/22  
V. Deshpande

**Test on Cement Sample**

The physical properties of cement supplied by the client were investigated and results are given in Table1.

**Table 1. Physical Properties of cement supplied**

Sl.No.	Description	Values
1	Consistency	33%
2	Initial setting time	100 minutes
3	Final setting time	400 minutes
4	Specific gravity	2.54
5	Fineness of cement	8%
6	Soundness test	8 mm

Test Conducted by: 1.Er.C.Sureshkumar    S.S.K.  
2.Er.N.Vimalraj    N.V.

Faculty In-charge



Principal

PRINCIPAL  
Krishnasamy College of  
Engineering & Technology  
S.K. Kumarapuram  
Cuddalore - 607 109

**Testing report for the given sample**



# KRISHNASAMY

## College of ENGINEERING & TECHNOLOGY

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### 76. Consultancy – Mata Amritanandamayi Math Dated:10.03.2022



#### Mata Amritanandamayi Math

Address: 100, Anna Salai, Chennai - 600 002, Tamil Nadu, India. Phone: 044-23540000

10-03-2022  
Puducherry.

To,  
Principal  
Krishnasamy Engineering College  
Cuddalore.  
Respected Sir,  
Subject:- Request for Google Cube test.  
Request we are mainly conducting Amrita Vidyalayam  
school in Karaikal district of puducherry district  
for this we have to measure the strength of the  
Google cube. A cube test is required for the  
So we kindly request you to approve the cube-  
test in your College Lab. The cubes were sent  
on 2/3/2022. 1:15:2 days via 12:45 after  
seven days 5/3/2022 (0:15:20:15:0:15)  
Vishnu.P  
9825712444



#### Inward Letter

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
ANAND NAGAR, NELLIKUPPAM MAIN ROAD, S. KUMARAPURAM, CUDDALORE - 607 109  
TAMIL NADU, INDIA. PHONE: 04142-285601-604

#### RECEIPT

Receipt No. 1021/2022 Date: 10/03/2022

Name: KRISHNASAMY ENGINEERING COLLEGE

Particulars	Amount
TESTING CHARGES	450.00
TOTAL	450.00

AMOUNT IN WORDS: Rupees Four hundred and fifty (450) Only



Signature

#### Bill receipt for testing



# KRISHNASAMY

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## KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to Anna University)  
CUDDALORE - 607 109

DEPARTMENT OF CIVIL ENGINEERING

### TEST REPORT

Receipt No:FC21/01279

DATE:10.03.2022

Issued to : The incharge,  
Anantha Vidyalayan,  
ECR Road,  
Kirumambakkam,  
Puducherry - 607 402

Properties of Cement Concrete Cube for 7 days

S. No	Mark on the Specimen	Grade of Concrete	Date of Casting	Date of Testing	Weight of Cube (kg)	Ultimate Load (kN)	Compressive Strength (N/mm <sup>2</sup> )
1	02.03.2022	M25	02.03.2022	08.03.2022	8.650	290	12.88
2	02.03.2022	M25	02.03.2022	08.03.2022	8.850	220	9.77
3	02.03.2022	M25	02.03.2022	08.03.2022	8.590	250	11.11

*P. Dinesh Kumar*

(E.P.DINESH KUMAR)  
ASSISTANT PROFESSOR OF CIVIL ENGG.

Head of the Department  
Civil Enng.

**Testing report for the given sample**



# KRISHNASAMY

## College of ENGINEERING & TECHNOLOGY

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### 77. Consultancy – Railways and Highways contractor Dated: 25.01.2022

From: Mr. S. Rajasekar  
 Managing of Highways Contractor  
 Chennai, Tamil Nadu

To: Mr. Prabhu  
 Managing Director  
 Krishna Samy College of Engineering & Technology  
 Cuddalore

Subject: For the supply of 1000 nos. of 100mm x 100mm x 100mm concrete blocks for the construction of the boundary wall at the site of the college.

Yours faithfully,  
 S. Rajasekar  
 Managing Director

25.01.2022  
 Mr. Prabhu  
 Managing Director  
 Krishna Samy College of Engineering & Technology  
 Cuddalore

### Inward Letter

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
ANAND NAGAR, NELLIKUPPAM MAIN ROAD, S. KUMARAPURAM, CUDDALORE - 607109  
PHONE: 04142285601 FAX: 04142285604

### RECEIPT

Receipt No: KCT/2022 Date: 25/01/2022

Name: S. RAJASEKAR CONTRACTOR/HS Class: -

Particulars	Amount
100/100/100	1,000.00
Total	1,000.00

Amount in Words: Rupees One Thousand Three Hundred and Fifty Only



Signed  
25/01/2022

### Bill receipt for testing



# KRISHNASAMY

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**KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY**  
ANAND NAGAR, S. KUMARAPURAM, CUDDALORE - 607 109  
DEPARTMENT OF CIVIL ENGINEERING

Receipt No: FC21/02809 /25/01/2022

Date: 31.01.2022

To

Mr. M. Rajkumar,  
Railway & Highway contractor,  
Thampennai River,  
Manjakuppam,  
Cuddalore-607 001

*E. J.*  
E. JACOB  
9829974414

### Test on Cement Sample

The cement sample supplied by the client were investigated and results are given in Table 1.

Table 1. Test on Given Cement Sample

SL.No.	Description	Values	Remarks
1	Consistency	26%	Tested results are unsatisfactory and not recommended for massive projects.
2	Initial setting time	75 minutes	
3	Final setting time	600 minutes	
4	Specific gravity	3.81	
5	Fineness of cement	5%	
6	Soundness test	8 mm	

*V. C. S.*  
Faculty In-charge  
Head of the Department  
Civil Engg.



*A. J.*  
Principal  
Krishnasamy College of  
Engineering & Technology  
Sri. S. Kumarapuram  
Cuddalore - 607 109

Testing report for the given sample



# KRISHNASAMY

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### 78. Consultancy – Jeevan Ready Mix Concrete Dated: 06.09.2021

From,  
Jeevan Ready mix,  
Marudh village,  
Cuddalore.

To,  
The Civil Department, Sir,  
K.C.E.T. College,  
Nellikuppam,  
Cuddalore.

Request for,  
As per our pending enquiry of concrete aggregates  
(15mm and 20mm) kindly test and give report.

Thanking you.

Sir/Madam,  
To assist us for the  
concrete strength of  
concrete aggregates  
of 15mm and 20mm.

Yours faithfully,  
Suman Reddy

### Inward Letter

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
ANAND NAGAR, NELLIKUPPAM MAIN ROAD, S. KUMARAPURAM, CUDDALORE - 607 109  
PHONE: 04142(285)601/604 TEL: 04142(285)601

RECEIVED

Sl. No. / DATE: 06/09/2021

NAME: JEEVAN READY MIX CONCRETE CLASS

PARTICULARS	AMOUNT
TESTING CHARGE	100.00
TOTAL	100.00

AMOUNT IN WORDS: ONE HUNDRED ONLY





### Bill receipt for testing





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## KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109

### CIVIL ENGINEERING DEPARTMENT

Receipt No: FC21/00036 dt 06.09.2021

To: M/s. Jeevan Ready Mix Concrete  
Home Guards Nagar,  
Behind Krishnasamy Engineering College,  
Merudadu village,  
Cuddalore.

Date: 15.09.2021

Sub: Crushing test of coarse aggregate - Reg.

S. No	Size of aggregate	Weight of empty mould (kg)	Weight of mould with aggregate (kg)	Weight of aggregate (kg)	Date of Testing	Weight of fraction passing through (kg)	Crushing value	Remarks
1	12mm	10.17	12.9	2.73	09.09.2021	0.158	5.7%	As per IS: 456-2000, the test results are satisfactory
2	20mm	10.17	12.69	2.5	09.09.2021	0.110	4.4%	

(The sample was not drawn by KCET)

  
Faculty In-charge



  
Principal  
PRINCIPAL  
Krishnasamy College of  
Engineering & Technology  
Sankarapuram  
Cuddalore - 607 109.

**Testing report for the given sample**



# KRISHNASAMY

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### 79. Consultancy – M.R.C. Mills Private Limited Dated: 01.04.2021

 **M.R.C Mills Private Limited**

To: MRC Mills Pvt. Ltd.  
Attn: Technical Director,  
Cuddalore.

From: The Head of Department - Civil,  
Krishnasamy Engineering College,  
Cuddalore.

Date: 01.04.2021  
Time of work: 10.00 AM to 12.00 PM, Monday to Friday

Requested for:  
To conduct the test of concrete strength (C30) and to provide the test report immediately.

Amount: Rs. 300.00

*(Signature)*

### Inward Letter

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
ANAND NAGAR, NELLIKUPPAM MAIN ROAD, S. KUMARAPURAM, CUDDALORE - 607109  
(Phone: 04142285601) Fax: 04142285604

### RECEIPT

Receipt No: / 1020/0700      Date: 01/04/2021

From: MRC MILLS PVT. LTD DT      CUDALORE

Particulars	Amount
TESTING CHARGE	300.00
Total	300.00

Amount in Words: Rupees Three Hundred Only



*(Signature)*

### Bill receipt for testing



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### KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109 DEPARTMENT OF CIVIL ENGINEERING

Receipt No: PC20/02940 dt: 1.04.2021

To: MRC MILLS PVT LTD, SITE,

Date: 1.04.2021

Cuddalore -OT

Sub: Testing of Bricks - Bag.

S. No	Mark on the Specimen	Date of Testing	Weight of Brick (kg)	Ultimate Load (kN)	Compressive Strength (N/mm <sup>2</sup> )
1	RPS	01/04/2021	2.857	130	5.65
2	RPS	01/04/2021	2.927	100	4.34
3	RPS	01/04/2021	2.875	111	4.82
4	RSH	01/04/2021	3.089	64	2.78

(Sample not drawn by KCET)

Faculty In-charge



Principal  
PRINCIPAL  
Krishnasamy College of  
Engineering & Technology  
Sanki Engineering  
Cuddalore - 607 109



### KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109 DEPARTMENT OF CIVIL ENGINEERING

Receipt No: PC20/02939 dt: 1.04.2021

To: MRC MILLS PVT LTD, SITE,

Date: 1.04.2021

Cuddalore -OT

Sub: Testing of Bricks - Bag.

S. No	Mark on the Specimen	Date of Testing	Weight of Brick (kg)	Ultimate Load (kN)	Compressive Strength (N/mm <sup>2</sup> )
1	ARS	01/04/2021	3.140	84	3.63
2	ARS	01/04/2021	3.023	76	3.30
3	ARS	01/04/2021	3.077	77	3.34

(Sample not drawn by KCET)

Faculty In-charge



Principal  
PRINCIPAL  
Krishnasamy College of  
Engineering & Technology  
Sanki Engineering  
Cuddalore - 607 109

Testing report for the given sample



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### 80. Consultancy – **Tamilnadu Water Investment Company Limited** Dated:12.02.2020

 **Tamilnadu Water Investment Company Limited**  
Shreeji Road, Cuddalore University Building,  
Cuddalore - 607 001. Email: twil@twil.com

To  
The Principal,  
M.V. Engineering College,  
Nellikuppam Main Road,  
Cuddalore  
S.No. 2, Cuddalore 2002 / P.O.Box 227900 / 2002 / Tamil 607002

Re:  
Sub: Cuddalore Integrated SWS Package 2 - RCC elevated concrete MDS box - concrete cube test on 24/01/20 for testing for compressive strength of 28<sup>th</sup> day - Reg

I send herewith one set of concrete cubes (3 Nos) as 24/01/2020 for RCC elevated concrete with M25 grade testing 28<sup>th</sup> day compressive strength, through contractor M.V. Project, Grade - II.

I request you to test the compressive strength of 28<sup>th</sup> day concrete cubes as per IS specifications and the test report may please be communicated at an early date.

With Regards,  
 12/2/2020  
S.M.K.C/TWIL/Cuddalore

1

Head Office: "WIL-THIRUVAIKUNTHUR" (MTC) Anna Road, First Floor, No. 96, Anna Road, Guindy, Chennai - 600 002, Tel: 041-44-22551871/72 & Fax: 041-44-22551884

### Inward Letter

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
ANAND NAGAR - NELLIKUPPAM MAIN ROAD - S. KUMARAPURAM CUDDALORE - 607109  
Phone: 04142291001 | Fax: 04142291004

#### RECEIPT

Receipt No: 007/2020      Date: 12/02/2020

To: JANTANU WATER INVESTMENT COMPANY

Particulars	Amount
TESTING CHARGE	100.00
TOTAL	100.00

RECEIVED BY:  12/2/2020



### Bill receipt for testing



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## KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109 DEPARTMENT OF CIVIL ENGINEERING

Receipt No: PC19/04072 dt 14/02/2020

To: Tamilnadu Water Investment Company Limited,  
Bharathi Road, Cuddalore Municipal Building,  
Cuddalore-607001  
Email: twicawload@gmail.com

Date: 15/02/2020

Sub: Testing of Concrete Cubes - Reg.

S. No	Mark on the Specimen	Grade of Concrete	Date of Casting	Date of Testing	Weight of Cube (kg)	Ultimate Load (kN)	Compressive Strength (N/mm <sup>2</sup> )
1	M-25-I 05/02/20	M25	05-02-2020	14-02-2020	8.443	508	22.57
2	M-25-I 05/02/20	M25	05-02-2020	14-02-2020	8.345	492	21.86
3	M-25-I 05/02/20	M25	05-02-2020	14-02-2020	8.420	530	23.55
4	M-25-II 05/02/20	M25	05-02-2020	14-02-2020	8.355	639	28.40
5	M-25-II 05/02/20	M25	05-02-2020	14-02-2020	8.440	469	20.84
6	M-25-II 05/02/20	M25	05-02-2020	14-02-2020	8.365	668	29.68

(Sample no. drawn by: K.C.T.)

*[Signature]*  
Faculty In-charge



Received  
M. Manojkumar

*[Signature]*  
Principal  
KRISHNASAMY  
Krishnasamy College of  
Engineering & Technology  
Sanki, Kumarapuram  
Cuddalore - 607 109

**Testing report for the given sample**



# KRISHNASAMY

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## ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604

🌐 www.kcet.in

✉ info@kcet.in

### Sl. Consultancy – Unios Infracon Pvt. Ltd. Dated: 11.06.2019



**From:**  
Unios Infracon Pvt Ltd,  
Sunderkottai Multipurpose Hospital project,  
SN Street,  
Cuddalore.

**To:**  
Head of the Department,  
Krishnasamy engineering college,  
Nellikuppam main road,  
Cuddalore.

Respected sir,  
Subj: regarding seeking permission for cube test.  
Sir please give us permission for doing compression test for cube in your college  
laboratory with test report, kindly approve for the test.  
Thanking you,

With regards,  
Project Head  
R. Sekar  
Unios Infracon Pvt Ltd.



Corporate Office:  
25/10, G1-2<sup>nd</sup> Cross Street, S & P Garden, Nellikuppam, Chennai-900 095, Phone: 0414- 486 333 73

### Inward Letter

**DUPLICATE**

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
NELLIKUPPAM MAIN ROAD - S. KUMARAPURAM CUDDALORE - 607109  
Phone: 04142285001 Fax: 04142280394

#### RECEIPT

Receipt No: FC19/00014                      Date: 11/06/2019

Name: UNIOS INFRACON PVT LTD                      Class: CIVIL

Particulars	Amount
TESTING CUBES	240.00
Total	240.00

Amount in Words: Rupees Three hundred and Sixty Only



*[Signature]*  
Cashier

### Bill receipt for testing



# KRISHNASAMY

College of  
**ENGINEERING & TECHNOLOGY**

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## KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109 DEPARTMENT OF CIVIL ENGINEERING

Receipt No: FC/1900214 dt 11/06/2019

To: Union Indicon Pvt Ltd,  
Surrendra Multipurpose Hospital project,  
3N classed,  
Cuddalore.

Date: 12.06.2019

Sub: Testing of Concrete Cubes - Exp.

S. No	Mark on the Specimen	Grade of Concrete	Date of Casting	Date of Testing	Weight of Cube (kg)	Ultimate Load (kN)	Compressive Strength (N/mm <sup>2</sup> )
1	10-5-19 Roof 3/23	M25	10/05/19	11/06/19	8.535	513	22.80
2	10-5-19 Roof M25	M25	10/05/19	11/06/19	8.385	538	23.91
3	10-5-19 Roof M25	M25	10/05/19	11/06/19	8.615	574	25.51

(Samples are drawn by ECET)

*P. D. ...*  
Faculty in-charge



Received by  
*B. ...*  
*S. ...*

*[Signature]*  
Principal

PRINCIPAL,  
Krishnasamy College of  
Engineering & Technology,  
Sanki, Cuddalore - 607 109.

Testing report for the given sample



# KRISHNASAMY

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## S2. Consultancy – Citizen Consumer and Civic Action Group



**C A G**

Citizen consumer and civic Action Group

New #246 (Old #277-B), TTK Road (J.J. Road)  
Alwarpet, Chennai 600 018.  
Phone : +91-44-2498 4458/2498 0387  
Fax : 01-44-2498 4458  
Email : helpdesk@cag.org.in  
Website : www.cag.org.in

### Consultancy Agreement

Between Prof. S. Karthikeyan, Nodal Officer - Centre for Innovation & Entrepreneurship,  
Krishnasamy College of Engineering & Technology, Cuddalore - 607 109

and

Citizen consumer and civic Action Group (CAG)

From June 2019 to February 2020

The Air Quality Monitoring Initiative is an effort by CAG to develop a reliable database on the ambient air quality ( $PM_{2.5}$  and  $PM_{10}$ ) levels near industrial locations in Tamil Nadu. As part of this initiative, CAG has installed five outdoor air quality monitoring devices in households/ farms/ small commercial establishments in the district of Cuddalore, with your assistance.

We appreciate the support extended by Prof. S. Karthikeyan, Nodal Officer - Centre for Innovation & Entrepreneurship, Krishnasamy College of Engineering & Technology, Cuddalore - 607 109 (referred to as "**Local Partner**") for the rest of the text of this agreement), in identifying locations and installing the devices in the past, and wish to extend the engagement. We look forward to your continued support in our endeavour to study air quality in your region.

For the purpose of deployment:

- Local Partner** will take on the responsibility of identifying alternative locations for monitors if an installed location is not found suitable for any reason. In such a case, CAG will provide the assistance it usually does, for re-installing the device in the new location. CAG will provide the devices, SIM cards and details of villages/towns or parts thereof, suitable for installation.
- During and after the process of redeployment, the steps detailed in Annexure 1 will be adopted.
- In case the device has to be returned for any reason, including for resetting, calibration, or undertaking repairs, **Local Partner** shall arrange for shipping it to the CAG office in Chennai. The shipment cost shall be reimbursed at actuals by CAG.

#### Trustees

Dr. Anil Raghupathi (Surgeon)  
Dr. George Thomas (Orthopaedic Surgeon)  
Dr. R. Venka (Associate Professor)

Dr. C. Ramamoorthi Reddy (Economist and Editor)  
Mr. Sivam Parthi (Senior Advocate)  
Dr. Sudhita Ramasami (Doctor and Teacher)  
Mr. Keshav Desaiju (IAS, Retd.)

#### Advisors

Mr. Tara Murli (Architect)  
Mr. N.L. Rajah (Senior Advocate)





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✉ info@kcet.in



- d. **Local Partner** shall be the primary point of contact for the households/farms/commercial establishments where the device shall be installed. **Local Partner** shall, in consultation with CAG, try and resolve any issue that may arise with the device or its effective functioning, within one week of identification of the issue.
- e. **Local Partner** will be required to share fortnightly updates about the installation sites, to ensure the maintenance of the monitoring devices. Such updates will have to be shared with CAG in the form of photographs and email.
- f. **Local Partner**, after communicating to CAG, shall visit the installation sites in case of any issue that may arise with the device or its effective functioning, and share the details of the same with CAG.
- g. The data generated from this initiative will be available in predefined format on AirVeda website for any portal visitors and also on the Airveda mobile app. Any party - including the **Local Partner** - can use this publically available data for any non-commercial purpose with due acknowledgement to CAG.
- h. **Local Partner** shall ensure that the device location is not changed without prior explicit permission from CAG.
- i. All documents/ forms duly filled during each deployment will be returned to CAG after every deployment.
- j. The cost of devices and maintaining network connectivity will be borne by CAG.
- k. The households will be paid a compensation for the electricity consumed by the device at a rate pre-decided by CAG, specified below.

CAG understands that the process of redeployment requires time and hence, the process of deploying a device can take up to one week. CAG will be happy to compensate the **Local Partner** for the support extended by contributing a sum of Rs.22,500/- all inclusive. The total amount of Rs.22,500/- will be paid in equal installments of Rs.7,500/- at the end of three, six and nine months of the agreement.

The households/farms/commercial establishments where the device is installed shall be paid Rs.600/- per year, for hosting the device and keeping it continuously switched ON. This amount shall be paid in installments of Rs.150/- at the end of three, six, nine months of the agreement.

Name : S. Karthikeyan, Nodal Officer

For: Centre for Innovation & Entrepreneurship, Krishnasamy College of Engineering & Technology, Cuddalore

Signature: 

Date: 24-06-2019



Name : Om Prakash Singh

For: Citizen consumer and civic Action Group (CAG)

Signature: 

Date: 01-06-2019





# KRISHNASAMY

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### 83. Consultancy – **EICL Limited** Dated: 03.05.2019



May 3, 2019.

To  
The Head of the Department  
Civil Engineering,  
Krishnasamy Engineering College,  
Cuddalore.

We request you to do the sieve analysis of the two (Wet and Dry) sand sample attached with this letter as per IS 2702 standards and report the same with matching to standards. The stones to be used are as per IS 882.

Thanking you  
Yours faithfully

  
S. Sarath  
Dy Manager - Process.

*Handwritten:*  
To  
The Head of the Department  
Civil Engineering  
Krishnasamy Engineering College  
Cuddalore  
S. Sarath  
03/05/19

**EICL LIMITED**  
Plot No. A/5 - 2, SIPCOT Industrial Estate,  
Cuddalore (Chidambaram Road), Cuddalore - 607 005.      PH: 04142856100 PLO 00100  
Registered Office: TC-88/34 V&S, Thiruvananthapuram - 695 021, Kerala, India      www.eicl.in

### Inward Letter

0075.28337

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
NELLIKUPPAM MAIN ROAD, S. KUMARAPURAM, CUDDALORE - 607109  
PHONE: 2856100, FAX: 2856104

XXXXXX

Receipt No: 007528337	Date: 03/05/2019
From: - 8300 2281100	Class: - 81000
Pay to the order of:	
Krishnasamy College	Amount:
Rs.	400.00
Rupee	400.00
AMOUNT IN WORDS - 400/00 ONLY	



### Bill receipt for testing



# KRISHNASAMY

College of  
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## KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109 DEPARTMENT OF CIVIL ENGINEERING

Receipt No: PCY/00811 dt 03/05/2019

The ECL Limited  
Plot no A/5-2, SIPCOT Industrial Estate  
Cuddalore Chidambaram Road  
Cuddalore-607005

Date: 13.06.2019

Sub: Testing of Fine Aggregate - Rag.

Sieve Analysis of supplied Fine aggregate (Wet)

Sl. No.	Sieve size (mm)	Weight of sample (g)	% weight	Cumulative	Percentage	Remarks
1	10	0	0	0	100	The tested sand belongs to Zone-IV category as per IS 383
1	4.75	5	0.5	0.5	99.5	
2	2.50	15	1.5	2.0	98.0	
3	1.18	65	6.5	8.5	91.5	
4	0.600	115	11.5	20.0	80.0	
5	0.425	345	34.5	54.5	45.5	
6	0.300	145	14.5	69.0	31.0	
7	0.150	265	26.5	95.5	4.5	
8	0.075	40	4.0	99.5	0.5	
9	Pan	5	0.5	100	0.0	

**Testing report for the given sample**



# KRISHNASAMY

## College of ENGINEERING & TECHNOLOGY

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### 84. Consultancy - **EICL Limited** Dated: 26.04.2019



Date: 26th April 19

To  
The HOD,  
Krishnasamy college of engineering  
Cuddalore

Subject: Request for Compressive strength test

Sir / Madam,

We have five sample of concrete blocks (M20 - 2Nos, M25 - 3Nos) and we request you to conduct compressive strength test as per Indian standards of given samples and provide the standard report as earlier as possible.

Thanking You,  
Sincerely,

S. Sarath  
Finance department

#### EICL LIMITED

Plot No. A5 - 2, SPIDET Industrial Estate,  
Cuddalore Chidambaram Road, Cuddalore - 607 005.  
Registered Office : TC-6034 V&L, Thiruvananthapuram - 695 011, Kerala, India

☎ 04142 285601

www.eicl.in

### Inward letter

DUPLICATE

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
WELLSURVIVOR ROAD ROAD S. KUMARAPURAM CUDDALORE 607109  
PHONE: 04142285601 Fax: 04142285604

RECEIVED

Equipment No: 12/010770	DATE: 26/04/2019
Base: 5000 LITRES	CLASS: 1000L
Particulars	AMOUNT
TESTING CHARGE	400.00
TOTAL	400.00

AMOUNT IN WORDS: FOUR HUNDRED ONLY

### Bill receipt for testing



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## KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109 CIVIL ENGINEERING DEPARTMENT

Receipt No: FC1806718 dt 26/04/2019

To: M/S ECL LIMITED,  
Plot no.A/5-2, SIPCOT Industrial Estate,  
Cuddalore Chidambaram Road,  
Cuddalore-607 005.

Date: 29.04.2019

Subj: Testing of Concrete Cubes - Reg.

S. No	Mark on the Specimen	Grade of Concrete	Date of Casting	Date of Testing	Weight of Cube (kg)	Ultimate Load (kN)	Compressive Strength (N/mm <sup>2</sup> )
1	26.03.2019	M25	26.03.2019	26.04.2019	8.235	171	7.6
2	26.03.2019	M25	26.03.2019	26.04.2019	7.405	130	5.77
3	26.03.2019	M25	26.03.2019	26.04.2019	8.320	163	7.24
4	25.03.2019	M20	25.03.2019	26.04.2019	8.295	235	10.44
5	25.03.2019	M20	25.03.2019	26.04.2019	8.045	194	8.62

(Sample not drawn by KCET)

*[Signature]*  
Faculty In-charge  
Civil Engineering  
Dept. Engg.



Received  
*[Signature]*  
9460523700

*[Signature]*  
Principal  
Principal  
Krishnasamy College of  
Engineering & Technology  
Sect. Engineering  
Cuddalore - 607 109

**Testing report for the given sample**



# KRISHNASAMY

## College of ENGINEERING & TECHNOLOGY

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Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.  
☎ (04142) 285 601 - 604    🌐 www.kcet.in    ✉ info@kcet.in

### 85. Consultancy – Prem Engineering Dated: 26.03.2019



PAN NO: BRCPT790L  
GSTIN - 33BRCPT7902A  
STATE - TAMILNADU  
46/2419

To:  
The Manager  
KCTE  
Kumarapuram  
Cuddalore - 607 109

Respected Sir,

With reference to the consultancy strength  
test of your laboratory.

We are from your engineering & technology institution, we  
need to test the test results of your  
laboratory. As Consultant you to provide us to  
the consultancy strength test & give results as soon as  
possible.

Thank you.

From: Prem Engineering & Technology  
A. S. J.

Main Road, Periyapattu, Sillanadikuppam - Post, Chidambaram - T.N., Cuddalore District.  
email : Premenggk@gmail.com, Cell : 9842293733, 987389480

### Inward Letter

DUPLICATE

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
NELLIKUPPAM MAIN ROAD - S. KUMARAPURAM CUDDALORE - 607109  
PHONE: 285601/285604 FAX: 285602/285604

RECEIPT

Receipt No: 7018/2019      Date: 13/03/2019

Particulars	Amount
TESTING FUELS	200.00
TOTAL:	200.00

AMOUNT IN WORDS: TWO HUNDRED AND ONLY.

### Bill receipt for testing



# KRISHNASAMY

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## KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109 CIVIL ENGINEERING DEPARTMENT

Receipt No: EC1406222 dt 26.03.2019

To: M/s PREM Engineering & Construction,  
Mairamad, Sivanthimangalam-post, Chidambaram T.K.  
Cuddalore District  
604219(75)  
Client Name: MRC Mills Pvt. Ltd, SIPCOT, Cuddalore.

Date: 26.03.2019

Sub: Testing of solid block - Reg.

Sample No.	Length of the block(L) in mm.	Breadth of the block(B) in mm.	Grade of Concrete	Date of Casting	Date of Testing	Weight of Block (kg)	Ultimate Load (kN)	Compressive Strength (N/mm <sup>2</sup> )
1	405	150	M15	18.03.2019	26.03.2019	20.32	293	4.82
2	405	150	M15	18.03.2019	26.03.2019	20.379	266	3.39
3	405	150	M15	18.03.2019	26.03.2019	25.235	228	3.70

(Sample not tested by MCT)

*[Signature]*  
Faculty In-charge

*[Signature]*  
9657089 614



*[Signature]*  
Principal  
KRISHNASAMY College of  
Engineering & Technology  
SIPCOT, Cuddalore  
Tamil Nadu - 607 109

**Testing report for the given sample**



# KRISHNASAMY

## College of ENGINEERING & TECHNOLOGY

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### 86. Consultancy – EN-Tech Constructions Dated: 25.03.2019



### EN-TECH CONSTRUCTIONS

Planners | Builders | Contractors

---

MS. S. 2019

To,  
Executive Engineer,  
En-Tech constructions,  
Cuddalore

From,  
The Principal,  
Krishnasamy college of engineering & technology,  
Cuddalore.

Respected Sir,

Sub: Permission to do cube test - 1kg

We, **EN-TECH CONSTRUCTIONS** establish providing civil construction service to the clients and need to test compressive strength of cubes and blocks. In I request you to give permission to test the cubes in your designated laboratory and provide results as soon as possible.

Thanking You.



Yours faithfully,  
  
(S. Subramanian)  
Executive Engineer,  
En - Tech constructions,  
Cuddalore

---

15/E, Uppalavadi Street, Manjakkuppam, Cuddalore - 607 001  
☎ +91 99945 19885, 9002665110  
✉ www.et@gmail.com, www.en-tech@gmail.com

### Inward Letter

DUPLICATE

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
NELLIKUPPAM MAIN ROAD - S. KUMARAPURAM CUDDALORE - 607109  
/PHONE: 04142285601 / FAX: 04142222299

RECEIPT

Receipt No: /CT/25/19      Date: 25/03/2019

From: EN-TECH CONSTRUCTIONS      Class: CT-11

Particulars	AMOUNT
TESTING CHARGE	400.00
Total	400.00

AMOUNT IN WORDS = RUPEES FOUR HUNDRED AND NO ONLY (400/-)




### Bill receipt for testing





# KRISHNASAMY

## College of ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University  
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.  
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### KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109 CIVIL ENGINEERING DEPARTMENT

Receipt No: FC/18/08/108 dt:25.03.2019

To: M's In Tech Construction,  
135, Uppilavadi St, marjakkuppam, Cuddalore  
Site Name: Bahiroo Nagar

Date: 25/03/2019

Subj: Testing of Brick - Reg.

Sample No.	Length of the brick(L) in mm	Breadth of the brick(B) in mm	Depth of the brick(D) in mm	Date of Casting	Date of Testing	Weight of Brick (kg)	Ultimate Load (KN)	Compressive Strength (N/mm <sup>2</sup> )
1	230	100	75	25.03.2019	25.03.2019	3.675	505	13.11

(Sample was tested by ECEET)

*K. C. Srinivasan*  
Faculty in-charge



*Received  
@ Lokesh  
9500293390*

*[Signature]*  
Principal  
KRISHNASAMY COLLEGE OF  
ENGINEERING & TECHNOLOGY  
SRI S. KUMARAPURAM  
CUDDALORE - 607 109



### KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109 CIVIL ENGINEERING DEPARTMENT

Receipt No: FC/18/08/108 dt:25.03.2019

To: M's In Tech Construction,  
135, Uppilavadi St, marjakkuppam, Cuddalore  
Site Name: Chavadi

Date: 25/03/2019

Subj: Testing of Concrete Cube - Reg.

S. No	Mark on the Specimen	Grade of Concrete	Date of Casting	Date of Testing	Weight of Cube (kg)	Ultimate Load (KN)	Compressive Strength (N/mm <sup>2</sup> )
1	M-40	M20	25.03.2019	25.03.2019	8.530	258	15.91

(Sample was tested by ECEET)

*K. C. Srinivasan*  
Faculty in-charge



*Received  
@ Lokesh*

*[Signature]*  
Principal  
KRISHNASAMY COLLEGE OF  
ENGINEERING & TECHNOLOGY  
SRI S. KUMARAPURAM  
CUDDALORE - 607 109

**Testing report for the given sample**



# KRISHNASAMY

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☎ (04142) 285 601 - 604    🌐 www.keet.in    ✉ info@keet.in

## 87. Consultancy – Feedback Infra Private Limited Dated: 13.03.2019



### Inward Letter

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
NELLIKUPPAM MAIN ROAD - S. KUMARAPURAM CUDDALORE - 607109  
Phone: 04142285601 Fax: 04142290394

### RECEIPT

Receipt No: FC19/05041      Date = 13/03/2019

Name = KEC INTERNATIONAL, CUDDAL      Class = CIVIL

Particulars	Amount
TESTING CUBES	400.00
COARSE AGGREGATE TEST	
Total	400.00

Amount in Words: Rupees Four hundred Only

Head of the Department  
Civil Engg



Cashier

### Bill receipt for testing



# KRISHNASAMY

College of  
**ENGINEERING & TECHNOLOGY**

Approved by AICTE & Affiliated to Anna University  
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## KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109

### DEPARTMENT OF CIVIL ENGINEERING

Receipt No: FC18/03040 dt 13.03.2019

To: M/s FEEDBACK INFRA PVT. LTD.  
Project Manager (PMC)  
VM-MV-T3/TVR-RE Project.

Date: 13.03.2019

Laboratory Name : Concrete and highway engineering lab  
Location/Source : CUPJ/Thiruvakara  
Weight of Sample : 29.870Kg.  
Sample No : 1

Date of Sampling : 13.03.2019  
Date of Testing : 13.03.2019  
Sampled By : KEC  
Tested By : KCET

Sub: Testing of Coarse Aggregate - Reg.

S. No	IS Sieve (mm)	Weight Retained (kg)	% of weight Retained	Cumulative Retained (%)	% Retained limit(as per IS: 68-1st pt 20-2)
1	65	0	0	0	0-05
2	40	17.71	59.29	59.29	40-60
3	20	12.135	40.63	99.92	98-100
4	Pass	0.025	0.08	100	100

*Handwritten signature and stamp of Faculty In-charge*  
Faculty In-charge

*Handwritten signature and stamp of Principal*  
Principal

**Testing report for the given sample**



# KRISHNASAMY

College of  
**ENGINEERING & TECHNOLOGY**

Approved by AICTE & Affiliated to Anna University

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

☎ (04142) 285 601 - 604    🌐 www.kcet.in    📧 info@kcet.in

## 88. Consultancy – **KEC International Limited** Dated: 13.07.2018

**KEL**

KEC International Limited

801, Pawan Building No. 66, DLF Cyber City, DLF Phase - II, Gurgaon - 122002, India.  
Tel: +91-124-8797700 • Fax: +91-124-87977009 • Web: www.kec.org

Ref: KEC/Ext./2018/00-13 & 00-17/02/03    Dated: 13.07.2018

To:  
HOD/Civil  
Krishnasamy College of Engineering and Technology  
Anand Nagar, Nellikuppam Main Road  
Cuddalore, Tamil Nadu  
Pin : 607 109

Re: Foreign Supply, Installation, Testing & Commissioning of 25 MW, 99 Hz, Single Phase  
Traction Overhead Equipment, Switching Station, Traction Sub-station, SF6ADA, Signal and  
Telephone/intercom system, General Electrical services works and Civil Engineering works in  
Service Buildings, Quarters, Tower support buildings, and other associated works between  
Vilamburam - Chidambaram Port - Mayiladuthurai - Thiruvananthapuram & Mayiladuthurai - Thiruvananthapuram  
portlines of SRS RPSD, the TBM of Thanjavurpuram Division, Southern Railway, Tamil  
Nadu. Compressive Strength Test of Concrete in Cube Moulds.

Reference: SRS No. RVT/2017/TNAD/191/02-13 & SVV-TW 02/07-03 DT. 05.04.2018

Dear Sir,

We refer to the above mentioned project & SRS *M-10 Grade of Concrete*  
We want to conduct "Compressive Strength test" of concrete in cube moulds for  
KEL, SRS between Vilamburam to Mayiladuthurai Railway identification project.

Please issue us a test report in a valid format with signature of competent authority, which  
should be sufficient for approval by our client RPS. (Enclosure signed contract).

Yours Faithfully,

Authorised Signatory

Page: 01 of 020 pages, 000 to: Anna Besant Road, Worli, Mumbai - 400 020  
Tel: +91-22-6677 2280 • Fax: +91-22-66770020 • Web: www.kecipg.com

**KECIPG**

### Inward Letter

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY  
NELLIKUPPAM MAIN ROAD - S. KUMARAPURAM CUDDALORE - 607109  
PHONE:04142285801 FAX:04142298394

### RECEIPT

Receipt No: FC18/00510    Date: 13/07/2018

Name: KEC INTERNATIONAL LIMITED    Class: CIVIL

Particulars	Amount
TESTING CUBES	300.00
Total	300.00

AMOUNT IN WORDS: Rupees **THREE HUNDRED** and SIXTY ONLY



13/7/18

Bill receipt for testing



# KRISHNASAMY

## College of ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University  
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.  
☎ (04142) 285 601 - 604    🌐 www.kcet.in    ✉ info@kcet.in



### KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY CUDDALORE - 607 109 CIVIL ENGINEERING DEPARTMENT

Receipt No: FC18/00510 dt 13.07.2018

The M/s KEC International Limited,  
8<sup>th</sup> floor, Building No.9A,  
DLF Cyber City, DLF Phase-III,  
Gurgaon-122 002.

Date: 14.07.2018

Sub: Testing of Concrete Cubes - Reg.  
Ref: LOA No. RVNL/ED/P/MAS/VM-MV-T7 & MV-TVR RE/OT-01 dated 30.04.2018.

S. No	Mark on the Specimen	Grade of Concrete	Date of Casting	Date of Testing	Weight of Cube (kg)	Ultimate Load (kN)	Compressive Strength (N/mm <sup>2</sup> )
1	6/6/18 1675	M10	06.06.2018	13.07.2018	8.015	836	37.15
2	6/6/18 1675	M10	06.06.2018	13.07.2018	8.995	626	27.82
3	6/6/18 1675	M10	06.06.2018	13.07.2018	9.195	837	37.20

(Sample not done by ECET)

*N. Sankar Jelan*  
Faculty In-charge  
Dr. N. SANKARJELAN, Ph.D., (IIT Madras)  
M.Sc., M.E., M.Phil., M.Tech.  
Professor & Head  
Department of Civil Engineering  
Krishnasamy College of Engineering &  
Technology  
Cuddalore - 607 109

*Received by*  
*J. S. Srinivasan*  
15.07.2018  
95.79.80.33.87



*J. S. Srinivasan*  
Principal  
PRINCIPAL  
Krishnasamy College of  
Engineering & Technology  
Sanji, Kumarapuram  
Cuddalore - 607 109

**Testing report for the given sample**