

DEPARTMENT OF CIVIL ENGINEERING, EGS PILLAY ENGINEERING COLLEGE Civil Engineering Department's Newsletter Volume01, Issue09, 2023

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i articipation in sports and extracurricular activities	

VISION

To evolve as a Centre of excellence by imparting quality technical education and promote research to meet the emerging challenges in the field of Civil Engineering

MISSION

Civil Engineering department is committed to

M1: Provide quality education through innovative teaching and learning practices

M2: Encourage faculty and students to pursue higher education and carry out socially relevant innovative research thereby establishing centers of excellence in emerging areas of research

M3: Offer consultancy services using state of the art facilities fulfilling the needs of the industry and society.

M4: Enable our students and faculty to play leadership roles in a sustainable manner by adopting professional ethics, entrepreneurship activities, interpersonal skills and lifelong learning attitude.



Department of civil engineering, egs pillay engineering college FACULTY CORNER

S. No	Name	Designation	
1.	Dr.S.Anand Kumar Varma	Professor	
2.	Dr.R.Sivakumar	Professor	
3.	Dr.V.Sekaran	Professor	
4.	Dr.N.Sakthieswaran	Professor	
5.	Dr.R.Elliss Yogesh	Professor	
6.	Dr.B.Vinodhkumar	Associate Professor	
7.	Mr.V.Balasubramani	Associate Professor	
8.	Mr.A.Arjunan	Associate Professor	
9.	Mr.N.R.Vethamoorthy	Associate Professor	
10.	Mr.G.Prakash	Assistant professor	
11.	Mrs.M.SubitaDeeneshwari	Assistant professor	
12.	Ms.N.Karthika	Assistant professor	
13.	Mrs.K.Kamalarani	Assistant professor	
14.	Mr.T.Adhavanathan	Assistant professor	
15.	Mr.S.Shyam Sundar	Assistant professor	
16.	Mr.E.Venkatesan	Assistant professor	
17.	Mr.K.Senthamilmaran	Assistant professor	
18.	Mr.V.Srinivasan	Assistant professor	
19.	Mr.A.Pirakasam	Assistant professor	
20.	Mr.V.C.Keerthi	Assistant professor	
21.	Mr.S.Santhoshkumar	Assistant professor	•
22.	Mr.S.Venkatramanan	Assistant professor	•
23.	Ms.K.Shakila	Assistant professor	•
24.	Dr.B.Ashwini	Assistant professor	1
25.	Mr.M.Pragadeesh Kumar	Assistant professor	1
26.	Dr.Aparna.R.Pillai	Assistant professor	1



Programme Educational Objectives (PEOs)

After successful completion of the programme, students will be able to

PEO1: Become as a successful Civil Engineer to meet the demand driven needs in the field of Civil Engineering and related profession or pursue higher study and research or become an entrepreneur.

PEO2: Develop core competence by analyzing ad design of Civil engineering systems with social awareness and responsibilities.

PEO3: Build Professionalism, ethical approach, communication skills, team work in their profession and adapt to modern trends by engaging in lifelong learning

Program Outcomes (PO)

After successful completion of the programme, Graduates will be able to

PO1	Application knowledge of mathematics, science, engineering fundamentals
PO2	Problem Analysis.
PO3	Design and Development of Solutions
PO4	Conduct investigations by designing experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions
PO5	Modern Tool Usage
PO6	Assessing societal, health, safety, legal and cultural issues
PO7	Examining Environmental impact and Sustainability
PO8	Commitment to professional ethics.
PO9	Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings
P10	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as ,being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions
PO11	Examine Project Management and Financial aspects
PO12	Instil Life-long Learning

Program Specific Outcomes (PSO)

Graduates will able to

1. Analyze the effects of natural calamities like Tsunami, storms, earthquakes, landslides etc. in design of stable structures.

2. Use co-friendly materials and mechanism for sustainable and life-line infrastructures.



FACULTY ACHIEVEMENT

Research & Development involves activities that generate new products and solutions or improve existing ones. The primary objectives are to add to a company's bottom line and improve processes. For civil engineering, this can apply to different engineering stages; at the beginning of a project, during, or even once, they produce the final output.

R&D innovation in engineering is often unnoticed and viewed as just day-to-day business activity. Why? Because the industry is full of invention, constantly bringing new technologies to the forefront. Such technologies and processes improve design methods, efficiency, safety, and performance.

S.No.	Name of The Authors	Title of The Paper Published	Journal
1.	Dr.Ashwini.B	Comparison Of Mechanical Properties Of Concrete Incorporated With Multiwalled Carbon Nanotube And Partial Replacement Of Cement With Flyash	Materials Today: Proceedings ,Science Direct
2.	N.Sakthieswaran	Study On Effect Of Marble Powder And Waste Foundry Sand As Fine Aggregates On The Properties Of Metakaolin-Cement Concrete.	Revista Ingeniería De Construcción Ric
3.	N.Sakthieswaran	Study On Influence Of Copper Slag, Furnace Slag And Metakaolin In The Properties Of Concrete	Revista Ingeniería De Construcción Ric
4.	N.Sakthieswaran	Properties Of Nano-Alumina Concrete With Zircon Sand As Fines Under Varied Elevated Temperatures	Revista Ingeniería De Construcción Ric
5.	N.Sakthieswaran	Optimization Of Strength Properties Of Reactive Powder Concrete By Response Surface Methodology	J. Shanghai Jiao Tong Univ. (Sci.)
6.	Mr. Balasubramani	A Multi-Objective Robust Grey Wolf Optimization Model For The Study Of Concrete Mix Using Copper Slag And Glass Powder	The International Journal Of Advanced Manufacturing Technology (2023)
7.	Mr,A.Arjunan	Effects Of Fly Ash And Silica Fume On Alkalinity, Strength And Planting Characteristics Of Vegetation Porous Concrete	Journal Of Materials Research And Technology
8.	Mr.A.Arjunan	Analysis Of Strength Properties Of Concrete Containing Sea Sand And Micro Silica As Partial Replacement Of Fine Aggregate	The International Journal Of Advanced Manufacturing Technology
9.	N.Sakthieswaran	Utilization Of Slag Powder And Recycled Concrete Wastes In Reactive Powder Concrete	Original Scientific Article/Izvirni Znanstveni ~Lanek
10.	Dr.Sivakumar.R	Microstructure And Mechanical Behaviour Of Ti-6- A1-4v Matrix Reinforced With Wcb Developed By	Nano Particles In Material Development And

Research publications



		Squeeze Casting	Machinability Of
			Engineering Materials
		Machanical Properties Of Painforged Congrets Deep	International Journal Of
11. B.Ashwi	B.Ashwini	Mechanical Properties Of Reinforced Concrete Deep Beam With Multiple Web Openings	All Research Education &
		beam with with pie web Openings	Scientific Methods
12.	B.Ashwini Study On Frp Laminates And Failures In Concrete		International Journal Of
12.	D.AShwini	Columns	Current Science
13.	N.Sakthieswaran	Congestion Aware Low Power On Chip Protocols	Ponnan Et Al. Journal Of
13.	IN.SaktniesWaran	With Network On Chip With Cloud Security	Cloud Computing

Books/ Chapter Published:

S.N o	Name of the teacher	Title of the book/chapters published	Name of the publisher
1.	Dr.S.Anand kumar varma	Essence of Disaster Management	Lambert Academic Publishing
2.	Mr.Shyam sundar	Air Pollution and Control	Lambert Academic Publishing
3.	Dr.Ashwini .B	Ethical Leadership: Balancing Profit and Social Impact	SAN International Scientific Publications
4.	Mr.Pirakasam	Essential of Coastal zone Management	Lambert Academic Publishing
5.	A.Arjunan	Maintenance Repair & Rehabilitation of Structures	Lambert Academic Publishing

Ph.D. guided

Sl. No	Faculty Name	No. of scholar Guided	No. of scholar awarded
1	Dr.Sekaran V	02	-
2.	Dr.Sivakumar R	01	-
3.	Dr.EllissYogesh R	-	
4.	Dr.Sakthieswaran N	06	04
5.	Dr.Anand Kumar Varma S	02	-
6.	Dr.Vinodhkumar B	-	-



DEPARTMENT OF CIVIL ENGINEERING, EGS PILLAY ENGINEERING COLLEGE **Sponsored Research**

S.N O	PROJECT TITLE	FACULTY NAME	AGENCY NAME	AMOUN T in Rs.	DURAT ION	APPLIE D Month/ year	STATUS OF THE WORK
1.	Flexural Behavior of Concrete Specimens incorporate with MWCNT with Partial replacement of flyash in cement	Dr.ASHWINI.B	TNSCST,Government	7,500	6Month	2022- 2023	Complete d

Consultancy Work

<u>Consul</u>	tancy Work	
S.No	Name of the project	Co-ordinator
1	Construction Material Testing	Mr.Arjunan Dr.Sivakumar
2	Construction Material Testing	Mr.Arjunan Dr.Sivakumar
3	Construction Material Testing	Mr.Arjunan Dr.Sivakumar
4	Construction Material Testing	Mr.Arjunan Dr.Sivakumar
5	Construction Material Testing	Mr.Arjunan Dr.Sivakumar
6	Construction Material Testing	Mr.Arjunan Dr.Sivakumar
7	Construction Material Testing	Mr.Arjunan Dr.Sivakumar
8	Construction Material Testing	Mr.Arjunan
9	Construction Material Testing	Dr.Sivakumar
10	Construction Material Testing	Mr.Arjunan Dr.Sivakumar

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DEPARTMENT OF CIVIL ENGINEERING, EGS PILLAY ENGINEERING COLLEGE Major Project in Consultancy

Planning, Designing, Surveying 12 month	s Salya Construction	300000
Total Amount of the year		3,15100/-

Faculty Development Program:

Faculty Development Program is aiming for India's higher education system is attaining sustainable development and achieving higher growth rates which could be enabled through creation, transmission, and dissemination of knowledge.

S. T. T.				
No	Faculty name	Title	Duration	No of days
1.	Dr.S.Anand Kumar	Municipal Solid Waste	01-07-2022 to 31-10-	12 weeks
	Varma	Management	2022	
		Plastic Waste Management	01-08-2022 to 31-10- 2022	8 weeks
		Virtual Lab	18-11-2022	1
		Applied Environmental	01-01-2023 to 30-04-	12 weeks
		Microbiology	2023	
2.	Mr.V.Balasubraman	Advancements in Concrete	19-12-2022 to 23-12-	5
	i	Technology	2022	
		Leveraging Research	03-04-2023 to 08-04-	6
		Challenges in Information	2023	
		Technology for Teaching		
		Learning Process		
3.	Mr.A.Arjunan	Strength of Materials	12-12-2022 to 16-12-	5
			2022	
		Leveraging Research	03-04-2023 to 08-04-	6
		Challenges in Information	2023	
		Technology for Teaching		
		Learning Process		
4.	Mr.G.Prakash	Strength of Materials	12-12-2022 to 16-12-	5
			2022	
5.	Mrs.M.SubitaDeene	Strength of Materials	12-12-2022 to 16-12-	5
	shwari		2022	
6.	Ms.N.Karthika	Bridge Engineering	01-07-2022 to 31-10-	12 weeks
			2022	
7.	Mrs.K.Kamalarani	Strength of Materials	12-12-2022 to 16-12-	5
			2022	



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8.	Mr.S.Shyam Sundar	Municipal Solid Waste	01-07-2022 to 31-10-	12 weeks
		Management	2022	
		Waste to Wealth: Emerging	05-12-2022 to 16-12-	11
		Trends in Green Energy for	2022	
		Sustainable Development		(
		Applied Environmental	01-01-2023 to 30-04-	12 weeks
		Microbiology	2023	
9.	Mr.E.Venkatesan	Recent Trends in Civil	20-02-2023 to 25-02-	6
		Engineering	2023	
10.	Mr.K.Senthamil	Conviction of Artificial	08-03-2023 to 13-03-	6
	Maran	Intelligence in Civil	2023	
		Engineering		
11.	Mr.V.Srinivasan	Conviction of Artificial	08-03-2023 to 13-03-	6
		Intelligence in Civil	2023	
		Engineering		
12.	Mr.A.Pirakasam	Psychology of Stress, Health,	01-01-2023 to 30-04-	12 weeks
		and Well-being	2023	
13.	Dr.B.Ashwini	Pedagogical Challenges in	07-11-2022 to 11-11-	5
		Institution Building	2023	
		A Boulevard to Neoteric	19-12-2022 to 30-12-	12
		Geotechnical Engineering	2022	
		Conviction of Artificial	08-03-2023 to 13-03-	6
		Intelligence in Civil	2023	0
		Engineering		
		Leveraging Research	03-04-2023 to 08-04-	6
		Challenges in Information	2023	0
		Technology for Teaching		
		Learning Process		
14.	Mr.N.R.Vethamoort	Advancements in Concrete	19-12-2022 to 23-12-	5
11,	hy	Technology	2022	Ŭ
15.	Mr.T.Adhavanatha	Municipal Solid Waste	01-07-2022 to 31-10-	12 weeks
15.	n	Management	2022	
		Taking Research to Next	26-09-2022 to 30-09-	5
		Level	2022	
		Advancements in Concrete	19-12-2022 to 23-12-	5
		Technology	2022	5
16	Mr.S.Santhosh	Conviction of Artificial	08-03-2023 to 13-03-	6
16.			2023	U
X	Kumar	Intelligence in Civil	2023	
17	Ma C Vocilia turana	Engineering		(
17.	Mr.S.Venkatramana	Conviction of Artificial	08-03-2023 to 13-03-	6
	n	Intelligence in Civil	2023	
		Engineering		







WORKSHOP AND WEBINARS CONDUCTED

Activities for the Academic Year 2023 – 2024					
S.no	Date	Name of the event and title	Resource person	Participa nts	Conducted By
1.	22.09.2023	National Webinar on "Career Opportunities after degree".	Mr.Manimohan Trinath.s.,ACE Engineering Academics	82	ASCE
2	01.10.2023	National Webinar on "Challenges in Bullet Train Project".	Mr.M.Ravikumar, Senior Deputy General Manager, Structural Engineering, L&T, HCI, Metros.	50	ISTE
2.	19.10.2023	National Webinar on Constrotech"ERA"	Mr.Fazil.P,Managing Director,DH Associates Builders Pvt.Ltd.,Malapuarm,K erala.Former Assistant Professor,Cochin College of Engineering,Kerala	174	ISTE
3.	22.02.2024	Needs for Current Construction Industry	Er.R.Ayyappa, Bright & Future Construction	50	ISTE
5.	28.03.2024	Valuation Procedure	Er.S.Muthukumarasa my, Licensed Valuator, Nagapattinam.	50	ICI
6.	12.04.2024	Importance of Geo- Technical Testing	Er.S.Premkumar, Confident Construction, Karaikkal.	80	ICI







DEPARTMENT OF CIVIL ENGINEERING, EGS PILLAY ENGINEERING COLLEGE STUDENTS CORNER

WORKSHOP AND TRAININGS

Activities for the Academic Year 2022 – 2023					
S.N o	Date	Name of the event and title	Resource person	Participa nts	Conducted By
1	06.04.202 3	One day Workshop on "Exploring the world of structural Design"	CADD Centre Nagapattinam	132	ISTE
2.	09.03.202 3	Entrepreneurship & Innovation Promotional activities Programme	Mr.R.Ramani,B.E.,M.B. A., M.I.E.,C.Eng.,Genera Manager/Deputy Director(Technical) Nagapattinam.	20	SASTRA University HUB & ISTE







PARTICIPATION IN SPORTS AND EXTRA CURRICULAR ACTIVITIES

S.No.	Name of the event and Title	Award/Reward	Participants	Conducted By
1.	Drawing/Science day Competition	1 st place	Isayini.A	Arifa Engineering College and Technology
2.	Quiz (Workshop)	1 st place	Arun Kumar.A	Arifa Engineering College and Technology
3.	Quiz (Workshop)	1st place	Niroshan S	Arifa Engineering College and Technology
4.	Quiz (Workshop)	1st place	Shafith Mohamed M	Arifa Engineering College and Technology
5.	Quiz (Workshop)	1 st place	Rasik Farid S	Arifa Engineering College and Technology
6.	Paper Presentation	2 nd Place	Ramprasath.A	C.K Engineering College and Technology, cuddalore
7.	Paper Presentation	2 nd Place	Arasumani.A	C.K Engineering College and Technology cuddalore
8.	Paper Presentation	2 nd Place	Arul Jothi.A	C.K Engineering College and Technology cuddalore
9.	Paper Presentation	2 nd Place	Vishnu.K	C.K Engineering College and Technology cuddalore
10.	Connection	1 st Place	Vinosh V	University College of Engineering, Thirukkuvalai
11.	Connection	1 st Place	Kirthikraj R	University College of Engineering, Thirukkuvalai

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12.	Connection	1 st Place	Maruntheeswaran R	University College of Engineering, Thirukkuvalai
13.	Connection	1 st Place	Mohamed Askar B	University College of Engineering, Thirukkuvalai
14.	Bal Badminton	1 st Place	Meya.Mariln.dsob.A	Anna University Sports Board ,Chennai
15.	Bal Badminton	1 st Place	Pradeesh.R	Anna University Sports Board
16.	Bal Badminton	1 st Place	Sasi Kinslin.E	Anna University Sports Board
17.	Bal Badminton	1 st Place	Vengateshwaren.S	Anna University Sports Board
18.	Cricket	3 rd Place	Manikandan.V	Anna University Sports Board
19.	Cricket	3 rd Place	Adiyan.S	Anna University Sports Board
20	Drawing Competition (Workshop)	2 nd Place	Gokulanathan. S	NIT,Puducherry
21	Aptitude Test(Workshop)	2nd Place	Mukesh R	NIT,Puducherry
22	Brick it, Shake It, (Workshop)	2nd Place	Nithish M	NIT,Puducherry
23	Brick it, Shake It, (Workshop)	2nd Place	Nivetha S	NIT,Puducherry
24	Brick it, Shake It, (Workshop)	2nd Place	Pavithra A	NIT,Puducherry
25	Drawing/Science day Competition	1 st place	Isayini.A	Arifa Engineering College and Technology









Students are participated and won 1st prize at NIT Karaikal.



Students are participated and won 1st prize at Anna University for Ball Badminton

Our Department Students are motivated to participate the Several events in an every Academic year.

They were participated interstate and outer state programme like Co-Curricular Activities and Extra Curricular Activities.

They have motivated by the faculties and the management for exploring the knowledge. In this Academic year nearly 25 students have been winning the prizes in various events.



Faculty Editorial Board



Dr.ASHWINI.B

Assistant Professor, Department of Civil Engineerin E.G.S. Pillay Engineering College, Nagapattinam

Students Editorial Board:

1. K.Dhatchayani - IV year civil

2. A.Arish

- III year Civil