

FACULTY PROFILE

Name of the Staff : FRANCHIS DAVID M
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Personal Details:

Age : 30
Date of Birth : 14/11/1991
Sex & Marital Status : Male & Married
Citizenship : Indian
Qualification : M.E.,

Degree	Programme and Specialization	Class /CGPA	Month & Year of Passing	Institute/University
M.E	Structural Engineering	First class 8.49	June 2017	Mepco Schlenk Engineering College, Sivakasi (Autonomous)
B.E	Civil Engineering	First class 7.52	May 2013	Rajalakshmi Engineering College, Chennai

Date of joining : 19/05/2017
Present status : Assistant Professor

Areas of Interest

Structural Analysis
Design of RC Elements
Concrete technology

Research field

Advanced concrete techniques

Professional Experience:

Designation	Institution/ Organization	Period	Nature of Duties
Pro – term Lecturer	National Engineering College, K.R.Nagar	04/09/2013- 25/05/2015	Teaching, Lab Handling
Assistant Professor	National Engineering College, K.R.Nagar	19/05/2017 – Till date	Teaching, Lab Handling, Mentoring and Guiding

Courses taught:

Course Title	U.G. / P.G.	Number of times
Theory Courses		
Engineering Graphics	U.G.	3
Design of Reinforced Concrete Elements	U.G.	3
Design of reinforced concrete and brick masonry structures	U.G.	3
Concrete Technology	U.G.	3
Highway Engineering	U.G.	3
Estimation and Quantity Surveying	U.G.	2
Prestressed Concrete Structures	U.G.	2
Basics of Civil and Mechanical Engineering	U.G.	2
Basics of Dynamics and Aseismic Design	U.G.	1
Construction Planning Management	U.G.	1
Housing Planning and Management	U.G.	1
Applied Geology	U.G.	1
Hydrology	U.G.	1
Laboratory Courses		
Concrete and Highway Laboratory	U.G.	4
Software Application Laboratory	U.G.	3
Survey I Laboratory	U.G.	1
Survey II Laboratory	U.G.	1
Hydraulics Laboratory	U.G.	1
One Credit Courses		
Building Marking	U.G.	3

Project Guided:

- Permeable Geopolymer Concrete Paver Blocks with Partial replacement of Coarse Aggregate by Waste Tyres
- Android Application for Estimation of Quantity and Costing of Load Bearing Structures
- Permeable Geopolymer Concrete Paver Block
- Study on Mechanical Properties of Modified Paver Blocks with Partial Replacement of Aggregates with Industrial and Vial Wastes.
- Experimental Study on Bio-Concrete by Partial Replacement of Fine Aggregate using Medical Vial Waste
- Experimental Study on Concrete by Partial Replacement of Fine Aggregate with Medical Vial Waste

Other responsibilities in department/college:

- Department ISO coordinator
- Department maintenance In-charge
- Department Placement Cell Member
- College Staff Club Member

NPTEL/Coursea Course Certificates

- Completed NPTEL online certificate course on the topic of “**Reinforced concrete road bridges**” (Elite + Gold)
- Completed NPTEL online certificate course on the topic of “**Design of reinforced concrete structures**” (Elite)

- Completed NPTEL online certificate course on the topic of “**Hydration, Porosity & Strength of Cementitious Materials**”
- Participated NPTEL “**SPOCATHON-2**” Event conducted by IIT Madras.
- Got NPTEL appreciation mentor certificate for the courses of “**Design of reinforced concrete structures**”
- Got 92.75 % of score in Coursera course in the title “**Autodesk: Civil 3D for Infrastructure Design**”

Achievements

- Got 2.5 Lakhs for the product of “Permeable Geopolymer Concrete Paver Blocks” Funded by NewGen IEDC for the academic year 2019-20.
- Got INAE – Innovative Student Project Award – 2019 – Under Graduate
- Published the Android Application “**FACS Estimator**” for Estimation of Quantity and Costing of Load Bearing Structures

Short term Courses/workshop/conference Attended:

S.No	Title	Period	Venue
1	Alternate Building Construction Materials towards Green Environment	25.10.2021 - 29.10.2021	GCT, Coimbatore & GCT, Bodinayakanur
2	Futuristic Research in Disaster Resilience	11.06.2021 – 13.06.2021	VVCE, Mysuru and NIDM, New Delhi
3	Modern House Design in REVIT Architecture	05.04.2021 – 09.04.2021	ICT Academy.
4	Recent Trends in Construction Materials and Technology	20.07.2020 – 24.07.2020	GCT, Coimbatore
5	Ministry of MSME Sponsored Workshop on “Geotextile Reinforced Sustainable Pavements”	08.07.2019 - 12.07.2019.	NIT, Trichy
6	International Conference on Sustainable Environment and Civil Engineering	28.03.2019 – 29.03.2019	Easwari Engineering College, Chennai
7	TEQIP – III Sponsored national seminar on “Alternatives for River Sand – sustainable approach	August 10 th 2018	PSG College of Technology, Coimbatore
8	AICTE - QIP short term course on “Geosynthetics as Modern Civil Engineering Construction Materials”	05.02.2018 - 10.02.2018	IIT Madras
9	Technology Enabled Teaching Learning Process	27.05.2017- 29.05. 2017	National Engineering College, Kovilpatti.
10	Instructional Design and Delivery Systems	22.05.2017- 27.05. 2017	National Engineering College, Kovilpatti.
11	International Conference on Recent Trends in Civil Engineering, Technology and Management	12.04.2017- 13.04.2017	PSR Engineering College, Sivakasi

International/National/Journal Publications:

S.No	Title	Period	Venue
1	Effect of Metallic and Non-Metallic Fibre and Recycled Aggregate on High Strength Concrete	Nov 2020	IOP Conference Series: Materials Science and Engineering
2	Experimental investigation on bio-concrete with medical vial glass waste	Aug 2020	Asian Journal of Civil Engineering
3	Flexural Behavior of Sustainable Self Compacting Concrete Beam	Aug 2019	Journal of Green Engineering
4	State of art on Composite Slab Construction	Jan 2018	International journal of Applied Environmental Sciences
5	Effect of Industrial Waste as Partial Replacement of Ingredients in Ultra High Strength Concrete: A Review	Dec 2017	Journal of chemical and pharmaceutical research
6	Finite Element Analysis of self-compacting concrete beam with polystyrene embedded on neutral axis	Apr 2017	SSRG Journal of Civil Engineering



Signature of the faculty

