

ILAHIA COLLEGE OF ENGINEERING AND TECHNOLOGY

Ranjan Abraham (M. Tech. [Computer Aided Structural Engineering])

Putheekal House, Venduvazhi, Kothamangalam P.O. 686691 Kothamangalam
+9447023675
ranjanabraham@icet.ac.in



Qualifications

Qualifications	Course	Institution	University	CompletionDate / Status
Post-Graduation	M Tech [Computer Aided Structural Engineering]	Mar Athanasius College of Engineering, Kothamangalam	Mahatma Gandhi University, Kottayam	26 Oct 2009
Graduation	B Tech [Civil Engineering]	Mar Athanasius College of Engineering, Kothamangalam	Mahatma Gandhi University, Kottayam	15 Oct 1997
Ph.D	Doctor of Philosophy	Kalasalingam Academy of Research and Education	Kalasalingam University	Pursuing

Certification Program

Course	Institution	University	Completion Date
Design Of Reinforced Concrete Structures	IIT Kharagpur	NPTEL	30 Oct 2021
Strength of Materials	IIT Kharagpur	NPTEL	31 Oct 2019
Plastic Waste Management	IIT Kharagpur	NPTEL	30 Apr 2019

Course	Institution	University	Completion Date
Structural Health Monitoring	IIT Madras	NPTEL	31 Oct 2018

Professional Experience

Duration	Exprience	Status	Organization	Department	Designation	Keyareas
02 Aug 2006-18 Apr 2022	15 Years, 8 Months, 16 Days	Currently Associated	Ilahia College of Engineering & Technology	Civil Engineering	Assistant Professor	
04 Jan 2005-30 Jun 2006	01 Years, 5 Months, 26 Days	Previously Working	Mar Athanasius College of Engineering, Kothamangalam	Civil Engineering	Guest Lecturer	
16 Apr 2001-31 Mar 2003	01 Years, 11 Months, 15 Days	Previously Working	SPRINT Computer Education, Kothamangalam	Computer Education	Technical Head	
24 Jun 1999-08 Mar 2000	00 Years, 8 Months, 14 Days	Previously Working	Govt. Polytechnic College, Kothamangalam	Civil Engineering	Guest Lecturer	
16 Apr 1998-15 Apr 1999	00 Years, 11 Months, 29 Days	Previously Working	Grama Panchayath, Nellikuzhi	Engineering Wing	Apprentice Engineer	

Academics

Structural Engineering, Concrete Technology

Achievements/Awards

Type	Achievmnts/Awards
Achievement	Best Faculty Award for the academic year 2020-2021

Review Publications:

- Publication Type: ReviewPublications
- Title: Waste Material Ashes Used in Concrete - A Review
- Indexed In: Other
- Event Status: International
- Main Author: Ranjan Abraham
- Co-Author: T R Neelakantan C Ramesh Babu
- Journal Name: Kalasalingam Global Conference
- Date: 2019-12-23
- UGCapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Review Publications:

- Publication Type: ReviewPublications
- Title: Blended Cement using Calcined Clay and Limestone for sustainable development - A review
- Indexed In: Scopus
- Event Status: International
- Main Author: Ranjan Abraham
- Co-Author:
- Journal Name:
- Date: 0000-00-00
- UGCapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Self-compacting Concrete with Alccofine and Glass Fiber
- Indexed In: Other
- Event Status: International
- Main Author: Ranjan Abraham
- Co-Author: T .R. Neelakantan C. Ramesh Babu
- Journal Name: Kalasalingam Global Conference- 2019
- Date: 2019-12-23
- UGCapproval: Not Approved
- ISSN No:
- Volume:

- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Performance of High Strength Concrete Prepared by Partially Replacing Fine Aggregate with Bottom Ash
- Indexed In: Other
- Event Status: National
- Main Author: Kylasnath M.
- Co-Author: Ranjan Abraham
- Journal Name: International Research Journal of Advanced Engineering and Science
- Date: 2017-09-28
- UGApproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Study of Properties of High Strength Concrete prepared by Replacement of Fine Aggregate with Weathered Crystalline Rock Sand and partial replacement of Cement with GGBS
- Indexed In: Other
- Event Status: National
- Main Author: Roshan Sasidharan
- Co-Author: Ranjan Abraham
- Journal Name: International Journal of Engineering Research and Technology
- Date: 2016-09-22
- UGApproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Study on Geopolymer Concrete used for Paving Blocks
- Indexed In: Other
- Event Status: National
- Main Author: Basil M Mali
- Co-Author: Ranjan Abraham
- Journal Name: International Journal of Innovative Research in Advanced Engineering
- Date: 2016-09-14
- UGApproval: Not Approved

- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Comparison of dynamic behaviour of structures subjected to blast loads
- Indexed In: Other
- Event Status: National
- Main Author: Athira Sathyan
- Co-Author: Ranjan Abraham
- Journal Name: International Journal of Engineering Trends and Technology
- Date: 2015-10-21
- UGCApapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Study of fresh state properties & durability of self compacting concrete with weathered crystalline rock sand as fine aggregate
- Indexed In: Other
- Event Status: National
- Main Author: Jyothis Mary C J
- Co-Author: Ranjan Abraham
- Journal Name: International Journal of Engineering Trends and Technology, October 2015
- Date: 2015-10-20
- UGCApapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Experimental Study on Heavy Weight Concrete Using Hematite and Laterite as Coarse Aggregate
- Indexed In: Other
- Event Status: National
- Main Author: Athira Suresh
- Co-Author: Ranjan Abraham
- Journal Name: International Journal of Engineering Trends and Technology

- Date: 2015-10-18
- UGCapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Analysis of a Conoid
- Indexed In: Other
- Event Status: National
- Main Author: Kiran Jacob
- Co-Author: Ranjan Abraham
- Journal Name: National Conference on Recent Innovations in Civil Engineering and Technology-2014 (RICET- 14)
- Date: 2014-09-25
- UGCapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Structural Analysis of Idukki Arch dam using Finite Element Method
- Indexed In: Other
- Event Status: National
- Main Author: Preenu Annie Zachariah
- Co-Author: Ranjan Abraham
- Journal Name: National Conference on Recent Innovations in Civil Engineering and Technology-2014 (RICET- 14)
- Date: 2014-09-25
- UGCapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Potential of Laterite Stone powder as a partial Cement replacement material
- Indexed In: Other
- Event Status: National

- Main Author: Stephy Babu
- Co-Author: Ranjan Abraham
- Journal Name: National Conference on Recent Innovations in Civil Engineering and Technology-2014 (RICET- 14)
- Date: 2014-09-25
- UGCapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Development of a Software for Analysis and Design of Suspension Bridges
- Indexed In: Other
- Event Status: National
- Main Author: Ranjan Abraham
- Co-Author: Dr. Jeevan Jacob
- Journal Name: International Journal of Management IT and Engineering
- Date: 2013-05-12
- UGCapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Research Publications:

- Publication Type: ResearchPublications
 - Title: Weathered Crystalline Rock: Suitability As Fine Aggregate In Concrete %u2013 A Comparative Study
 - Indexed In: Other
 - Event Status: National
 - Main Author: Eldhose M Mathew
 - Co-Author: Shaji M Jamal, Ranjan Abraham
 - Journal Name: International Journal of Innovative Research in Science, Engineering and Technology
 - Date: 2013-04-19
 - UGCapproval: Not Approved
 - ISSN No:
 - Volume:
 - Issue:
 - Page Number:
 - Year:
 - Details:
-
- Publication Type: ResearchPublications
 - Title: Study on Prismatic and Non Prismatic Concrete Filled Steel Tube Columns encased with Engineered Cementitious Composite

- Indexed In:
 - Event Status: International
 - Main Author: Ansymol Anaz
 - Co-Author:
 - Journal Name:
 - Date: 0000-00-00
 - UGCapproval: Not Approved
 - ISSN No:
 - Volume:
 - Issue:
 - Page Number:
 - Year:
 - Details:
-
- Publication Type: ResearchPublications
 - Title: Structural Performance of Multi Sectional CFST Columns with double corrugated plate
 - Indexed In:
 - Event Status: International
 - Main Author: Azna P. A.
 - Co-Author:
 - Journal Name:
 - Date: 0000-00-00
 - UGCapproval: Not Approved
 - ISSN No:
 - Volume:
 - Issue:
 - Page Number:
 - Year:
 - Details:
-
- Publication Type: ResearchPublications
 - Title: Study on Steel Beam with Folded Web Plates
 - Indexed In:
 - Event Status: International
 - Main Author: Shaan Zacharia
 - Co-Author:
 - Journal Name:
 - Date: 0000-00-00
 - UGCapproval: Not Approved
 - ISSN No:
 - Volume:
 - Issue:
 - Page Number:
 - Year:
 - Details:
-
- Publication Type: ResearchPublications
 - Title: Finite Element Analysis of Corrugated Web Beams, Column and Slab Connection Under Loading Condition
 - Indexed In:
 - Event Status: International

- Main Author: Hafsamol S
- Co-Author:
- Journal Name:
- Date: 0000-00-00
- UGCapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:
- Publication Type: ResearchPublications
- Title: FINITE ELEMENT ANALYSIS ON STRENGTHENING OF FULLY PREFABRICATED STEEL FRAME UNDER SEISMIC BEHAVIOUR
- Indexed In:
- Event Status: International
- Main Author: Jayalekshmi J.
- Co-Author:
- Journal Name:
- Date: 0000-00-00
- UGCapproval: Not Approved
- ISSN No:
- Volume:
- Issue:
- Page Number:
- Year:
- Details:

Seminars/Workshops/Conferences/Presentation/Poster Presentation

Seminars:

- Event Status: National
- Title: AICTE-QIP Short Term Course on “Nano Materials in Concrete”
- Start and End date: 17 Dec 2018 - 22 Dec 2018
- Organizing Body: Department of Civil Engineering, T.K.M. College of Engineering, Kollam
- Role: Department of Civil Engineering, T.K.M. College of Engineering, Kollam
- Details:

Seminars:

- Event Status: National
- Title: 6. ISTE Short Term Training Program on “Recent Advances in Project Management Automation”
- Start and End date: 10 Feb 2014 - 14 Feb 2014
- Organizing Body: Department of Civil Engineering, M.A. College of Engineering, Kothamangalam
- Role: Department of Civil Engineering, M.A. College of Engineering, Kothamangalam
- Details:

Seminars:

- Event Status: National

- Title: ISTE Workshop on “Advanced Project Management using Candy”
- Start and End date: 31 Jan 2014 - 01 Feb 2014
- Organizing Body: Department of Civil Engineering, M.A. College of Engineering, Kothamangalam
- Role: Department of Civil Engineering, M.A. College of Engineering, Kothamangalam
- Details:

Seminars:

- Event Status: International
- Title: National Seminar on “Eco-Smart Buildings”
- Start and End date: 20 Nov 2013 - 21 Nov 2013
- Organizing Body: Sree Narayana Gurukulam College of Engineering, Kadayirippu
- Role: Sree Narayana Gurukulam College of Engineering, Kadayirippu
- Details:

Seminars:

- Event Status: National
- Title: ISTE short term training program on “Advanced Concrete Technology”
- Start and End date: 08 Dec 2012 - 14 Dec 2012
- Organizing Body: Mar Athanasius College of Engineering, Kothamangalam
- Role: Mar Athanasius College of Engineering, Kothamangalam
- Details:

Conferences:

- Event Status: National
- Title: “National Conference on Innovations in Civil Engineering (NCICE)”
- Start and End date: 19 Apr 2012 - 20 Apr 2012
- Organizing Body: Department of Civil Engineering, SCMS School of Engineering
- Role: Department of Civil Engineering, SCMS School of Engineering
- Details:

Conferences:

- Event Status: National
- Title: Short-term training Program on “Sustainable design of Structures using FEM
- Start and End date: 30 Nov 2009 - 04 Dec 2009
- Organizing Body: Department of Civil
- Role: Department of Civil
- Details:

Webinar:

- Event Status: National
- Title: Advanced Concrete Technology
- Start and End date: 15 Sep 2021 - 25 Oct 2021
- Organizing Body: ICI Kochi
- Role: ICI Kochi
- Details:

Webinar:

- Event Status: National
- Title: Forensics in Structural and Geotechnical Engineering
- Start and End date: 15 Mar 2021 - 19 Mar 2021

- Organizing Body:
- Role:
- Details:

Webinar:

- Event Status: National
- Title: Construction Industry - Present and Future Trends
- Start and End date: 21 Jun 2021 - 26 Jun 2021
- Organizing Body:
- Role:
- Details:

Webinar:

- Event Status: National
- Title: NOVEL MATERIALS AND TECHNOLOGIES FOR SUSTAINABLE CONSTRUCTION
- Start and End date: 22 Mar 2021 - 27 Mar 2021
- Organizing Body:
- Role:
- Details:

Webinar:

- Event Status: National
- Title: Design Trends in Concrete
- Start and End date: 10 Apr 2021 - 10 Apr 2021
- Organizing Body: Ultratech Cements
- Role: Ultratech Cements
- Details:

Webinar:

- Event Status: National
- Title: Sustainable Engineering Practices in Agriculture and Automotive Industry (SEPAAI)
- Start and End date: 17 May 2021 - 21 May 2021
- Organizing Body: MACE Kothamangalam
- Role: MACE Kothamangalam
- Details:

Webinar:

- Event Status: National
- Title: Remote Sensing and GIS in Civil Engineering
- Start and End date: 10 May 2021 - 12 May 2021
- Organizing Body:
- Role:
- Details:

Webinar:

- Event Status: National
- Title: RECENT ADVANCES IN SEISMIC AND WIND LOAD ANALYSIS OF STRUCTURES
- Start and End date: 07 Jun 2021 - 11 Jun 2021
- Organizing Body:
- Role:

- Details:

Webinar:

- Event Status: National
- Title: Sustainable Building Materials and Practices
- Start and End date: 28 Apr 2021 - 30 Apr 2021
- Organizing Body:
- Role:
- Details:

Webinar:

- Event Status: National
- Title: Innovations In Low Cost Construction Technologies
- Start and End date: 24 Feb 2021 - 26 Feb 2021
- Organizing Body:
- Role:
- Details:

Conferences:

- Event Status: National
- Title: National Conference on Advancements in Engineering and Computing
- Start and End date: 24 Jun 2021 - 25 Jun 2021
- Organizing Body:
- Role:
- Details:

Professional Affiliations

Affiliation:

Details

Life member, Indian Society for Technical education (ISTE). Membership Number – LM 53394

Affiliation:

Details

Member, Institution of Engineers (IE) Chartered Engineer [India] – M-147444-2

Affiliation:

Details

Member, Indian Concrete Institute Membership Number – 11405

References

Name	Qualification	Designation	Organisation	Emaild	Mobile Number
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Name	Qualification	Designation	Organisation	Emaild	Mobile Number
Dr. M. G. Grasius	M. Tech., Ph. D.	Former Principal	Mar Athanasius College of Engineering, Kothamangalam	grasiusmg@gmail.com	9447182412
Dr. Babu Kurian	M. Tech., Ph. D.	Former P.G. Coordinator & Associate Professor	Mar Athanasius College of Engineering, Kothamangalam	babukurian@gmail.com	9446128912