Faculty Profile		
Name :	**Professor Aakash Rajeshkumar Suthar**	
Date of Birth :	**02/07/1994**	
Educational Qualifications:		
-Ph.D. (University)	**Ph.D. in Civil Engineering, Sankalchand Patel University (Pursuing)(from 2019)**	
-Master's (University)	**M.Tech in Forensic Structural Engineer, Gujarat Forensic Sciences University (2016-2018)**	
-Bachelor's(University)	**B.E. Civil Engineering, L J Institute of Engineering and Technology (2012-2016)**	
-Any Other:	**---**	
Area of Specialization :	Civil Engineering, Structural Engineering	
Date of Joining (LJIET)	**02/07/2018**	
Present Position :	**Assistant Professor**	
Contact Details:		
-Address :	**B-26, Aagman Avenue, opposite Sukirti tower, behind I.S.R.O, Satellite, Ahmedabad -380015**	
-Email	**aakash.suthar_ljiet@ljinstitutes.edu.in**	
-Phone	**(R)** **(M)** 7802004104	
Work Experience :	Teaching **(2 years)** Industrial(--) Research& Development(--)	
Subjects taught :		
-Under Graduate level	**Building Construction (3rd Sem.), Building Construction Technology (3rd Sem.)**	
-Post Graduate level	**Advanced Structural Analysis (2nd Sem.), Advanced Steel Design (2nd Sem.), Design of Formwork (2nd Sem.), Mathematical foundation in Computer Science (2nd Sem.), Disaster Management (2nd Sem.), Structural Design Project (2nd Sem.)**	
Area of Specialization in your field	Structural Design, Structural Analysis, Concrete Technology, Laboratory testing of civil engineering materials, Restoration and Retrofitting	
A brief account of work done by you in the M. Pharm. and Ph.D.	**M.Tech** *"Experimental studies on R.C Columns with natural fibers"* Adding natural fibers to concrete is a modern technique in construction industry. The aim of conducting the research is to compare the load carrying capacity of RCC columns by adding natural fibers in it. Total 30 columns were casted for observing the compressive strength of the column. Natural fibers like Rice husk, wheat husk, coconut fiber and wood fiber were added in 1 % and 3 % by weight of cement. On varying the percentage of replacement from 1% to 3%, rice husk was having the most positive impact on loading capacity as its load carrying capacity raises 1.67 times of normal column. On considering the all tests performed, rice husk fiber was found to be the best in replacement in concrete. The strength of the FRC columns varies from 0.76 to 1.67 times in comparison to plain column. Adding fibers to the concrete raised the strength of column in the range of 1.5 to 3 times of design load. Coconut fiber columns showed poor ductility as compared to the other natural fibers i.e. wheat husk, rice husk and wood fiber. The coconut fiber column	

	showed debonding between fibers and concrete at the time of ultimate loading. Failure of FRC column was nearly same as plain column. Hence natural fiber concrete is one of the environment friendly and economic option, which is used to construct low rise building.
New Technologies /methods developed by you	**---**
Scale up and Technology Transfer	**---**
Industrial Projects Carried Out : (No.)	**---**
Revenue/Royalty earned by the Organization in Indian Rupees	**---**
No. Government funded Projects undertaken by you and their total value	**---**
Research Guidance :	
-Master's	**29**
-Guide for PhD	**---**
Summer/Winter/School/Conference/Workshops attended:	**19**
Summer/Winter/School/Conference/Workshops Conducted:	**---**
Patents taken/applied for:	**---**

Publications: No of books: -- (all international)

Research Papers : 1(1-Scopus Indexed Journal)

1. Deflection on Diaphragm Wall Because of Site Condition, Soil Condition, Construction Technique & Seismic Load
   (2020)
   https://www.ijrte.org/wp-content/uploads/papers/v8i6/F7942038620.pdf

Conferences ,Workshops and Seminars

1. **Research paper presented in international conference entitled" International Conference on Climate Change 2020 (ICCC-2020)" at SankalChand Patel University,Visnagar, 2020.**
2. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Restoration As - Design Case of Surat Castle", Ahmedabad,2020.**
3. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Structural Failures : Causes, Cases & Lessons Learned", Ahmedabad,2020.**
4. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Analysis of Crack, Selecting the Right Products for Crack Repair, Application Methodology for Crack Repair", Ahmedabad,2020.**
5. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Modern Industrial Floor: FM (Free Movement) and its Importance", Ahmedabad,2020.**
6. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Structural failures :cases, causes & lessons learned", Ahmedabad,2020.**
7. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Significance of Microfine Materials in Today's Concrete Structures", Ahmedabad,2019.**

8. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Diaphragm Wall: Design , Execution & Analytical Approach", Ahmedabad,2019.**
9. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Site Investigation:Current Practices & Case Studies on Problematic Ground Conditions", Ahmedabad,2019.**
10. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Geotechnical Provisions for recently revised IS 1893 & Soil Structure Interactions", Ahmedabad,2019.**
11. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Fische r Innovative Solutions for Passive Fire Protection in Buildings", Ahmedabad,2018.**
12. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Construction Supervisors Workshop", Ahmedabad,2018.**
13. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Repair s, Renovations & Retrofitting in Structures", Ahmedabad,2018.**
14. **Attended the seminar organized by Ambuja foundation center at Ambuja house on topic "Advance Concrete Mix Design Workshop", Ahmedabad,2018.**
15. **Poster presented in International conference entitled " International Conference on Forensic Sciences & Cyber Security" at Gujarat Forensic Science University, Gandhinagar, 2017.**
16. **Poster presented in national conference entitled" Forensic Structural Engineering and Failure Investigation" at Gujarat Forensic Science University, Gandhinagar, 2017.**
17. **Attended the seminar organized Gujarat Forensic Science University on topic "Awareness on Legal Provision for Women Protection and women empowerment", Gandhinagar, 2017.**
18. **Attended the workshop organized Institution of Engineers (India) on topic "Workshop on Contract management and Dispute Solution", Ahmedabad, 2016.**
19. **Attended the workshop organized ET TMT on topic "Attended the workshop organized Institution of Engineers (India) on topic "TMT bar manufacturing + Testing +Bar bending and cutting", 2016.**

Notable Achievements and activity executed:	**---**
Association with Professional Bodies	**----**
Grants Received/Fetched:	**----**
Consultancy and Expertise available for industries	**----**