

NEWSLETTER



St. Xavier's Catholic College of Engineering

Chunkankadai, Nagercoil

NBA& NAAC Accredited with 'A' Grade

June-May VOLUME-I 2021-2022

HISTORY OF DEPARTMENT



The Civil Engineering department, SXCCE was started in 1999, the very next year of the college inception to cater to the growing needs of builders for our nation and to the world at large. The department has state of the art facilities equipped with latest instruments, equipment and software for imparting technical knowledge on par with

International requirements. To develop responsible savvy professional techno-managers, the department also offers a PG program in Construction Engineering and Management & Structural Engineering. Experienced and well-

Qualified faculty members, well-equipped laboratories and workshops are the strength of this department. Advanced licensed software includes primavera, MS- project; STAAD Pro, ETABS, ANSYS, and Lab view are available to students to take up real time projects. REACH is the department association responsible for all co-curricular activities. The consultancy cell of this department is active in testing the quality of material like concrete, brick, soil, water, and bitumen, aggregate and steel reinforcement. The department also undertakes assignment with Govt. and private sector.

Dr. J. JerlinRegin HOD, Civil Engineering

HISTORY OF REACH ASSOCIATION



The association REACH was started on February 16, 2002. Through our association we have conducted many national and international level conference, and symposiums and seminars. The association motivates the students to develop technically on "modern and sustainable eco-friendly construction".

The aim and ambitions of our associations is, to create an environment where the students can develop new engineering skills. To make the students familiar with the latest happenings and trends in construction industry with lectures and seminars. To enable leadership and responsibilities and social practices for achieving sustainable development for the students. To promote innovative ideas, technical tools and products for the betterment of society. To conduct seminars, papers presentation, workshops, competitions and cultural activities to improve the special skills among students.

Mr. F. John Paul Faculty In-charge

VISION AND MISSION

Vision of the Department:

To be a department of eminence in producing Civil Engineers who serve people with technical expertise, groundbreaking innovations and productive entrepreneurial initiatives with high ethical standards and commitment in green and sustainable development.

Mission of the Department:

- M1: To provide quality teaching in order to transform students into civil engineers with academic excellence and technical expertise with outstanding faculty and excellent infrastructure.
- M2: To develop leadership qualities and managerial skills of the students to become productive entrepreneurs.
- M3: To create awareness on recent technologies through innovative research and industry institute collaboration.
- M4: To inculcate human values within the students and inspire them to create a sustainable ecofriendly society.

Program Educational Objectives (PEOs)

- PEO1: To prepare students for successful careers in Civil Engineering field that meets the needs of national and multinational companies.
- PEO2: To develop the confidence and ability among students to synthesize data and technical concepts and there by applying it in real world problems.
- PEO3: To develop students to use modern techniques, skill and mathematical engineering tools for solving problems in Civil Engineering.
- PEO4: To inspire the professionals with creative thinking and innovative research. PEO5:
- To follow the engineering qualities with the social and ethical values.

Program Specific Outcomes (PSO)

- PSO1: Demonstrate knowledge in core areas of civil engineering such as planning, designing, estimating and carrying out construction.
- PSO2: Apply the concept of sustainable development in the context of environment, economic and social requirements.
- PSO3: Develop research activities, consultancy services with critical thinking, professional development and lifelong learning.

OFFICE BEARERS

REACH ASSOCIATION OFFICE BEARERS (2021-2022)

- 1. Mr. F. JOHN PAUL. AP (Faculty Advisor)
- 2. Mr. SAHAYA SAAJAN (Student secretary) IV year civil
- 3. Ms. S.V. JASHNI CHRISTINA CASTRO (Joint secretary) 3rd year civil
- 4. Ms. M. STELLA MARY SOPHIYA(Treasurer) 3rd year civil
- 5. Mr. R.V. RAJEEVAN (II ME CEM)
- 6. Ms. E.S. BENIN(II ME SE)
- 7. Mr. J.A. JAIRESH AHALAN (IV year civil)
- 8. Mr. M. SAMEEM (IV year civil)
- 9. Ms. T. AKSHAYA (IV year civil)
- 10.Mr. J.A. JAIRESH AHALAN (IV year civil)
- 11.Mr. RON SAMUEL (3rd year civil)
- 12.Ms. V.J. HELEENA (2nd year civil)
- 13.Mr. J.A. DANIESH FRADY (2nd year civil)
- 14.Mr. G. HEVIN JOEL (2nd year civil)

EVENTS

Various events conducted by REACH Association (2021-2022)

Career Guideline Program

A career guideline program was conducted on 4th october 2021. 40 students from UG final year of Civil Department attended this program.



Orientation Program on Software's In Civil Engineering

An orientation program was conducted on 12th october 2021. 28 students from UG final year of Civil Department attended this program.



Orientation Program on Revit Architecture

An orientation program was conducted on 18th November 2021. 39 students from UG third year of Civil Department attended this program.



Orientation program on Software in Civil Engineering

An orientation program was conducted on 8th December 2021. 35 students from UG final year of Civil Department attended this program.



INDUSTRIAL VISITS (2021-2022)

Industrial Visit to Kochi

A 2 days industrial visit to Kochi for 3rd year Civil Engineering students was organized on 18th and 19th may 2022. 45 students and 3 faculty members visited the SHOBA developers.







Educational Tour to Ooty Bangalore, Mysore, Coorg

A 5days Educational Tour to Ooty, Bangalore, Mysore, Coorg for final year Civil Engineering students was organized on 25th to 29th April 2022. 40 students and 3 faculty members visited the tour.







GRADUATION DAY (2020th Batch) 27-5-2022 Civil Engineering

UG (2016-2020)



PG Structural Engineering(2018-2020)



PG CEM (2018-2020)



TECHNICAL SYMPOSIUM "BENCHMARK22"

A technical symposium was conducted on 13/05/2022 by REACH & FACEAT&P association of civil department SXCCE. 250 students and 30 staff members had attended the symposium.















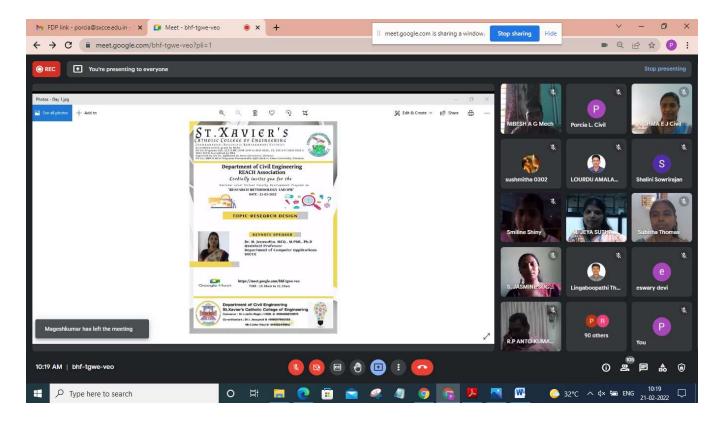


Virtual FDP on 'Research methodology & IPR

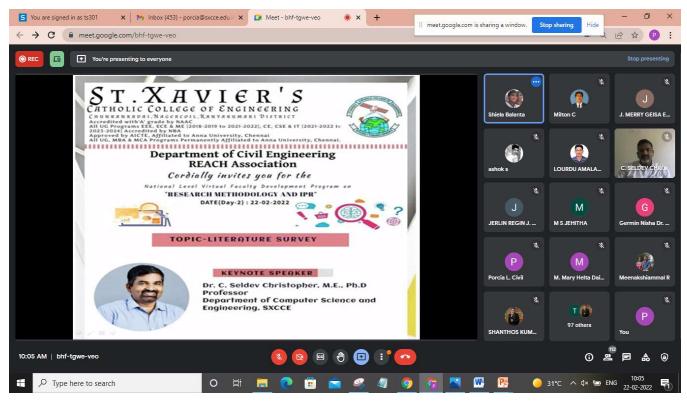
A 5 day virtual FDP was conducted on 21st February to 25th February 2022. 150 Faculties and 70 students attended this FDP.



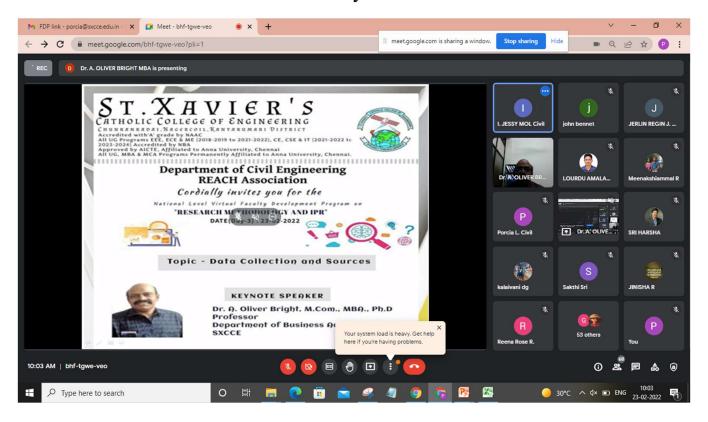
Day 1



Day 2



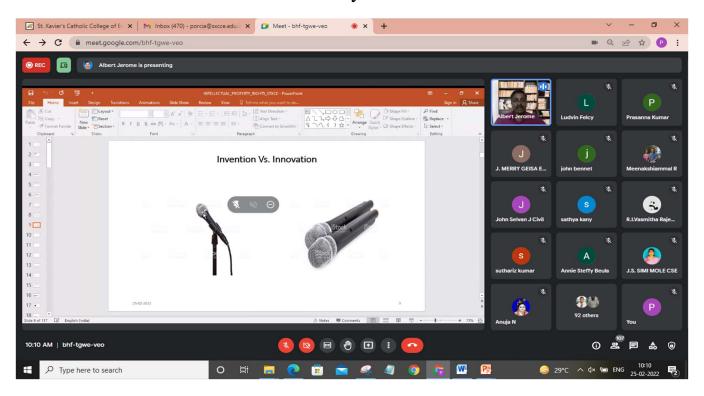
Day 3



Day 4



Day 5



A Model Expo ARCADE'22' was conducted by civil department for UG Final years

A Model Expo named ARCADE'22' was conducted on 15th june 2022 for UG final years. 43 students participated in this program.





















STUDENT INPLANT TRAINING UG (2021-2022)

Sl.No	Register Number	Name	Title of the Project
1.	9962218103002	ABISHA S	National Highway
2.	962218103003	ADLIN SNEHA D L	National Highway
3.	962218103006	ALIN JOE J A	National Highway
4.	962218103007	ANANCIO J C	National Highway
5.	962218103010	ASWINI S L	National Highway
6.	962218103012	BIBINSON R	National Highway
7.	962218103013	CINU SELVA S	National Highway
8.	962218103014	DAPHNE S S	National Highway
9.	962218103015	DEEPIKA R K	National Highway
10.	962218103019	JASNOE DANIEL E	National Highway
11.	962218103020	JELENA BLESSIE J	National Highway
12.	962218103021	JONES A	National Highway
13.	962218103022	JOVIN M	National Highway
14.	962218103030	REJENOLD S	National Highway
15.	962218103032	SAMEEM M	National Highway
16.	962218103033	SHAHANA C A	National Highway
17.	962218103036	SHANE KINGSLY K	National Highway
18.	962218103037	SHERJIN B C	National Highway
19.	962218103038	SHIBIN R S	National Highway
20.	962218103043	VINOTHINI S	National Highway
21.	962218103005	AKSHAYA A T	Sree Shankara Construction
22.	962218103008	ANTO PRAKASH V	Sree Shankara Construction
23.	962218103024	MIDHUN M	Sree Shankara Construction
24.	962218103028	PREMA V	Sree Shankara Construction
25.	962218103034	SHALOM E	Sree Shankara Construction
26.	962218103039	STELLA MARY SOBHIYA M	Sree Shankara Construction

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PG (2021-2022)

Sl.No	Register Name		Title of the Project
1.	962220413004	BELINDA EVELIN S	National Highway
2.	962220413001	AKSHAYA J	National Highway
3.	962220413002	ASREF KHAN ASKAR KHAN	National Highway
4.	962220413003	ATCHAYA R	National Highway
5.	962220413005	BENIN E S	National Highway
6.	962220413007	DALIYA SWEETLY V	National Highway
7.	962220413008	JENUSHIA J J	National Highway
8.	962220413009	JOSITH N T	National Highway
9.	962220413010	JUDY A S	National Highway

10.	962220413011	KABILESH J	National Highway
11.	962220413012	KANISH G	National Highway
12.	962220413013	LERCY A	National Highway
13.	962220413014	NIVISHA M JERMI	National Highway
14.	962220413015	SANGEETHA A	National Highway

STUDENT ACHIEVEMENTS (2021-2022)

SI. No.	Name	Event	Venue	Prize	LEVEL
1	Beutlin Femi KS	Paper Presentation	Rohini College of Engineering	First Prize	National level
2	Athira Raj R	Paper Presentation	Rohini College of Engineering	First Prize	National level
3	Ram Prasath V	Technical Quiz	Rohini College of Engineering	Second Prize	National level

ACHIEVEMENT IN SPORTS

1. Mr. Mohammad Aslam won Bronze medal in Tamil Nadu state classic powerlifting championship held at Salem, Selanaickenpatti on 19th & 20th March 2022.

STAFF ACHIEVEMENTS (2021-2022)

Journal Details:

- 1.Karthikeyan Ganesan, Vijai Kanagarajan and **Jerlin Regin Joseph Dominic** "Influence of marine sand as fine aggregate on mechanical and durability properties of cement mortar and concrete" ISSN- 2053-1591, Materials Research Express Volume-035504-pp1-20, 2022 https://doi.org/10.1088/2053-1591/ac5f88.
- 2. N. Arnachalam, **J. Maheswaran**, M. Chellapandian, Gunesekaran Murali, Nikolai Ivanovich Vatin "Development of High Strength Geopolymer concrete incorporating High volume copper slag and micro silica" Sustainability 2022, 14, 7601. https://doi.org/10.3390/su14137601.
- 3. **J. Maheswaran**, M. Chellapandian, N. Arunachallam "Retrofitting of Severely Damaged Reinforced concrete members using Fiber Reinforced Polymers: A Comprehensive review" Structures Volume 38, April 2022, Pages 1257-1276, https://doi.org/10.1016/j.istruc.2022.02.059.

4. K. Dhanalakshmi **J. Maheswaran** Siva Avudaiappan, Mugahad Amran Radhamanohar Aepuru Roman Fediuk and Nikolai Vatin "Prediction of Pore Volume Dispersion and Microstructural Characteristics of Concrete using Image Processing Technique" Crystals 2021, 11, 1476. https://doi.org/10.3390/cryst11121476.

Awards/Recognition Report:

Sl.No	Staff Name	Details	Sponsor	Int./Nat.	Award Date
1	Dr. Jerlin Regin J.	Answer sheet correction	TNJFU	University	2022-06-07
2	Dr. Jerlin Regin J.	Resource Person	Gopalan college of Engineering and Management	International	2022-06-06
3	Dr. Jerlin Regin J.	QP setting	Vel Tech High Tech	International	2022-06-04
4	Dr. Jerlin Regin J.	Session Chair - National Level Technical Symposium	Stella Mary's college of Engineering	National	2022-04-29
5	Dr. Jerlin Regin J.	Orientation for I civil	SXCCE	College	2021-11-08
6	Dr. Jerlin Regin J.	Project Orientation for final IT	SXCCE	College	2021-10-26
7	Dr. Jerlin Regin J.	Project Orientation for IV civil	SXCCE	College	2021-10-25
8	Dr. Jerlin Regin J.	QP setting	Мерсо	University	2021-08-03
9	Dr. I. Jessy Mol	Guest Lecture	IEI	District	2022-06-06
10	P. Antony Vimal	Guest lecture	Morning star polytechnic	College	2022-02-06

Program Attended:

Staff Name	Туре	Programme	Venue	Agency	Int./Nat.
Dr. Jerlin Regin J.	Workshop	Advanced Composite And Research Methodology	SXCCE	REACH	State
	Workshop	Experimental and	SXCCE	REACH	State

		Analytical behavior of structural element			
	FDP	Virtual FDP on Research Methodology and IPR	SXCCE	REACH	National
	FDP	Advances in Civil Engineering	Kerala	ST. Thomas	National
	Seminar	technical knowledge about Rain water harvesting, Town planning, and Quality Control	SXCCE	FACEAT	University
	FDP	Sustainable Construction Materials	Online	Rajasthan Technical University, Kota.	National
	Workshop	Advanced Composite And Research Methodology	SXCCE	REACH	National
	Workshop	Sustainable Water Resources Management	Online	Sustainable Water Resources Management	National
Dr. I. Leave	Seminar	Digitalization In Construction	Bharath Institute Of Science And Technology	Department of Civil Engineering,	National
Dr. I. Jessy Mol	Seminar	Contracts and Tendering - Opportunities for Civil Engineers	online mode	RV College of Engineering	National
	FDP	Advanced Research Methodology	online mode	Dr.N.G.P. Institute of Technology, Coimbatore in a	National
	Seminar	Geo-informatics Application for Water Resource and Quality Management in Urban Area"	online mode	Dr.N.G.P. Institute of Technology, Coimbatore in a	National
S. Shiela Balanta	Workshop	Advanced Composite And Research Methodology	St. Xavier's Catholic College of Engineering	St. Xavier's Catholic College of Engineering	State

	Workshop	Experimental and Analytical behavior of structural element	St. Xavier?s Catholic College of Engineering	St. Xavier?s Catholic College of Engineering	State
	FDP	Condition Assessment and strengthening of structure: Challenging and opportunists ge	Department of Civil Engineering	Mepco schlenk engineering college	National
	Guest Lecture	Explosion Effects On Structures And Its Members	Online	Bharath Institute of Higher Education	National
	Guest Lecture	Geo-informatics Application for Water Resource and Quality Management in Urban Area	Online	Dr. N.G.P Insitute of Technology	National
	Guest Lecture	Digitalization In Construction	Online	Bharath Institute of Higher Education	National
	FDP	Advances in Earthquake Engineering	Online	LBS College of Engineering	National
	FDP	Bridge engineering	Online	KRP Institute of Engineering and Technology	National
P. Antony Vimal	FDP	Virtual FDP on Research Methodology and IPR	Online	SXCCE	National
	FDP	Research Methodology and IPR	Online	REACH, Department of Civil Engineering, SXCCE	National
M. Galesh	Workshop	Advanced Composite And Research Methodology	St. Xavier's Catholic College of Engineering	Reach, Department of Civil Engineering, Sxcce	State
	Workshop	Novelties in Concrete and Construction Techniques	Online	SRM Institute of Science and Technology,	National
	FDP	Advanced Research Methodology	Online	Dr.N.G.P. INSTITUTE OF TECHNOLOGY	National

	Seminar	TBM Tunnel Excavation in Metro Projects	Online	Ramco Institute of Technology, Rajapalayam.	National
	Seminar	Digitalization In Construction	Online	Bharath Institute Of Science And Technology	National
	Seminar	Explosion Effects On Structures And Its Members	Online	Bharath Institute Of Science And Technology	National
	FDP	Advances in Civil Engineering	Online	St.Thomas College of Engineering & Technology,Chen	National
	Workshop	advanced composite and research methodology	SXCCE	REACH	National
Inigo Valan. M	FDP	Research Methodology and IPR	SXCCE	REACH	National
	Seminar	Explosion Effects On Structures And Its Members		Bharath Institute Of Science And Technology	International
	Workshop	Advanced Composite And Research Methodology	online	St. Xavier's Catholic College of Engineering	National
Dr. S. Frank Stephen	Seminar	Explosion Effects On Structures And Its Members	Online	Bharath Institute Of Science And Technology	International
	FDP	Advanced Research Methodology	Online	Dr.N.G.P. Institute Of Technology & The Institute	International
Lourdu Amalan.E	Seminar	Explosion Effects On Structures And Its Members	Online	Bharath Institute Of Science And Technology	National
	Seminar	explosion effects on structures and its members	online	bharath institute of science and technology	International
Jeya Suren Raj.J	Seminar	geo-informatics application	online	Dr.N.G.P institute of technology	International
	FDP	Advanced research methodology	online	Dr.N.G.P institute of technology	International
	Seminar	digitalization in	online	bharath institute of	International

		construction		science and technology	
	Workshop	Experimental and Analytical Behaviour of Structural Elements	St. Xavier's Catholic College of Engineering	Department of Civil Engineering, SXCCE	State
	Conference	6th International Conference ICETEMA-2022	PET Engineering College	PET Engineering College	International
	Workshop	Advanced Composite and Research Methodology	St. Xavier's Catholic College of Engineering	Department of Civil Engineering, SXCCE	University
	FDP	Research Methodology and IPR	Online	Civil Department, SXCCE	National
	FDP	Advanced Research Methodology	Online	Dr. N.G.P. Institute of Technology	National
L Porcia	Seminar	Digitalization In Construction	Online	Bharath Institute Of Science And Technology	National
	Seminar	Geo-informatics Application for Water Resource and Quality Management in Urban Area	Online	Dr.N.G.P. INSTITUTE OF TECHNOLOGY	National
	Seminar	IEEE Xplore	Online	St. Xavier's Catholic College of Engineering	National
	Seminar	Indoor Air Quality & Ventilation Concerning Covid-19 Pandemic	Online	Csir - Central Building Research Institute, Roorke	National
	FDP	Sustainable Construction Practices in Civil Engineering	Online	AICTE Training and Learning (ATAL) Academy	International
D. Smiline	Workshop	Workshop On Advanced Composite And Research Methodology	SXCCE	Dept. of Civil Engg.(REACH), SXCCE	University
Shiny	Workshop	Experimental and Analytical Behaviour of Structural Elements	SXCCE	Department of Civil Eng	University

	Seminar	Webinar on Light	Online	Indian Concrete	National
		Weight Concrete FDP on Research		Institute, Bangalore	
	FDP	Methodology and IPR	Online	SXCCE	National
	Seminar	Technical Webinar On Explosion Effects On Structures And Its Members	Online	Bharat Institute of Science and Technology	National
	Seminar	Webinar on Geo- informatics Application for Water Resource and Quality Management in Urban Area	Online	Dr.N.G.P. INSTITUTE OF TECHNOLOGY, Coimbatore	National
	Seminar	Webinar on Digitalization in construction	Online	Bharat Institute of Science and Technology	National
	Seminar	Explosion Effects On Structures And Its Members	online	Bharath Institute Of Science And Technology	International
	Seminar	"Geo-informatics Application for Water Resource and Quality Management in Urban Area	online	Dr.N.G.P.Institute of Technology, Coimbatore	International
	Seminar	Stress Management For Educators	online	RV College of Engineering	International
Nishma E J	Seminar	Digitalization In Construction	online	Bharath Institute Of Science And Technology	International
	FDP	Robotics and Atomation	online	sai Ram Institute Of Technology	International
	Seminar	Contracts and Tendering - Opportunities for Civil Engineers	online	RV College of Engineering	International
	Seminar	Scientific Writing: Journal Selection Tool and Techniques for Research Publication	online	Dr.N.G.P Institute of Technology, Coimbatore	International
	FDP	Advanced Research Methodology	online	Dr.N.G.P Institute of Technology,	International

				Coimbatore	
	Seminar	Employment Opportunities for Diploma and Graduate Civil Engineers	online	Dr.N.G.P Institute of Technology, Coimbatore	International
	Seminar Recent Trends in Civil online Dr.N.G.P Institute of Technology, Coimbatore		International		
Abisha J P	Seminar	Explosion Effects On Structures And Its Members	online	Bharath Institute Of Science And Technology	International
	Seminar	Geo Informatics Application for water recourse	online	Dr.N.G.P.Institute of Technology, Coimbatore	International
	Seminar	Advanced Research Methodology	online	Dr.N.G.P. Institute of Technology, Coimbatore	International
	Seminar	Digitalization In Construction	online	Bharath Institute Of Science And Technology	International
	FDP	Robotics and Atomation	online	sai Ram Institute Of Technology	International

Faculty Online Courses Completed:

Staff Name	Course	Portal	Certificate Level
Dr. Jerlin Regin J.	Essentials of Entrepreneurship: Thinking & Action	Coursera	Pass
Dr. I. Jessy Mol	Essentials of Entrepreneurship: Thinking & Action	Coursera	Pass
	Water Supply Engineering	NPTEL	Silver Medal
S. Shiela Balanta	Essentials of Entrepreneurship: Thinking & Action	Coursera	Pass
P. Antony Vimal	structural dynamics for civil engineers - SDOFsystem	NPTEL	Silver Medal
M. Galesh	Essentials of Entrepreneurship Thinking Action	Coursera	Participation
Dr. S. Frank Stephen	Essentials of Entrepreneurship: Thinking and Action	Coursera	Participation

L Porcia	Essentials of Entrepreneurship: Thinking & Action	Coursera	Pass
D. Smiline Shiny	Essentials of Entrepreneurship: Thinking and Action	Coursera	Participation
Nishma E J	Leadership and Emotional Intelligence	Coursera	Participation
	Building materials and composites	NPTEL	Elite

CONSULTANCY WORKS

Academic Year 2021-2022

Government Works = Rs. 2, 50,000 Private Works = Rs. 52,360

EDITORS

Staff Editor: Mr. J. Jeya Suren Raj.

Student Editors: Mr. Ron Samuel. (Final Year Civil)