

SCHOOL OF INFRASTRUCTURE  
& DEPARTMENT OF CIVIL ENGINEERING



AY 2021-2022

# CRESCENT CIVILIANS REPORT



**Student Coordinator**

Wasif Yuhan

Purnima

B.Tech (2018-2022)

**Staff Coordinator**

Ms.K.Kanmani, Asst.Prof

**SCHOOL OF INFRASTRUCTURE**  
**DEPARTMENT OF CIVIL ENGINEERING**

**ACADEMIC YEAR 2021 - 22**

**Name of the Department: Civil Engineering**

**Name of the School: School of Infrastructure**

**1. Details of Field visits / Industrial visits organized by the department**

S.No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1.	B.Tech. Civil Engineering Final year	VII	-	39	Dr. Nisha Khanam and Mr. B.Kannadasan	Idukki Arch Dam, Cochin Port, Wonderla Sewage Plant	04.06.2022 - 07.06.2022	The students gained the knowledge related to Spillways infiltration gallery, hydroelectric power generation, Shipyard, water treatment process	No
2.	M.Tech. Structural Engg. First year	II	-	19	Ms. Ayisha Sidiqqa	Ascendas IT Park	30.05.2022	The students gained the knowledge of Green buildings Construction using various green materials available and also about the Green Building accreditation by USGBC or IGBC	No
3.	M.Tech. CEPM First year	II	-	16	Mr. A. Sheik Farid	“EXCON”- Largest construction equipment	20.05.2022	The students gained knowledge on various construction equipment presently being used in industry and got	No

						event in South Asia		awareness about working of various earth moving, material handling equipment and first-hand information of the functions and processes.	
4.	M.Tech. CEPM First year	II	-	16	Dr. P. Vasanthi and Mr. B. Kannadasan	L&T Heavy Civil Infrastructure IC, HR-Training team & Tunneling Excellence Academy (TEA), Kanchipuram	19.04.2022	The students gained the knowledge on tunneling techniques and advanced Construction machinery.	No
5.	B.Tech. Second year	IV	-	36	Dr. K. Yogeswari and Mr. A. Sheik Farid	Auroville - Pondicherry	24.03.2022	The students gained knowledge about architecture of Matrimandir and infrastructure management	No
6.	M.Tech. CEPM Second year and M.Tech. Structural Engg. Second year	III	-	13	Dr. K. Yogeswari and Mr. A. Sheik Farid	Atal Tunnel (Himachal Pradesh) under AICTE YUVAK scheme	23.09.2021-02.10.2021	The students learned many Technical things about construction of Atal Tunnel and visited many other tunnels Constructed by NHAI between Chandigarh & Manali	No





**ASCENDAS, CHENNAI visited on 30.05.2022**



**EXCON, BANGALORE visited on 20.05.2022**



**AUROVILLE, PONDICHERRY visited on 24.03.2022**



**ATAL TUNNEL VISIT, HIMACHAL PRADESH visited during  
23.09.2021 to 02.10.2021**

## 2. Conferences / FDP / Seminars / Workshops Organized by the department

S.No	Name of the programme	Type of Programme	Duration From - To	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of the participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Civil Engineers and Economic Growth of India for our Future Engineers	Webinar - Engineer's day celebration	15.09.2021	-	<b>Dr.C.Velan,</b> City Head – Chennai Operations, CapitaLand India Chennai	52	3	-	-
2.	Career Opportunities for Civil Engineers	Webinar	-	-	<b>Mr.N.G. Muralidharan,</b> Consultant & Distributor for India, Radcrete Pacific Pty Limited, Australia	84	8	-	-
3.	Entrepreneurial Skill Development & Start-ups on Geospatial Applications	Webinar	12.10.2021	-	<b>Mr.T.Rajesh</b> Technical Director & Business Development Manager, Geo Lightning services, Tamilnadu, India	-	1	57	18
4.	Site Investigation and Soil Exploration for Geotechnical Design	Workshop	09.11.2021 to 11.11.2021	-	<b>Mr.A.Karthikeya,</b> Proprietor, M/s. Karthikeyan Associates Chennai. <b>Mr. Kodi Rangaswamy</b> Associate Professor, Department of Civil Engineering, NIT, Calicut. <b>Mr. Anil Joseph</b> Managing Director, Geostructurals Private Limited Kerala	5	-	-	70

					<p><b>Mr. M. Muttharam,</b> Professor &amp; Head CEG, Anna University, Chennai.</p> <p><b>Mr. B. Arun,</b> Assistant Executive Engineer, TNPWD, Chennai.</p> <p><b>Mr. S. Balakumar,</b> Senior Consultant, Simplex Infrastructures Limited, Chennai.</p> <p><b>Mr. G. Srinivasa Rao,</b> Chief Engineer (Geotechnical), Saipem India Projects Limited, Chennai</p>				
5.	Entrepreneurial Skill on Geospatial Data Management	Training Programme	23.02.2022 25.02.2022	-	<p><b>Dr.G.P. Ganapathy,</b> Professor&amp; Director, Centre for Disaster Mitigation and Management, Vellore Institute of Technology, Vellore</p> <p><b>Dr. Pennan Chinnasamy,</b> Assistant Professor, IIT Bombay, Director - Rural Data Research and Analysis (RuDRA) Labs</p> <p><b>Ms. K. Kanmani,</b> Assistant Professor, BSACIST</p> <p><b>Dr. M. Sivakumar,</b></p>	-	1	118	39

					<p>Project Scientist, Institute of Remote Sensing, Anna University</p> <p><b>Mr. T. Rajesh,</b>          Technical Director &amp; Business Development Manager, Geo Lightning Services,</p> <p><b>Mr.B. Kannadasan,</b>          Assistant Professor, BSACIST</p> <p><b>Mr. S. Rajesh Kumar,</b>          Director, Technical Sales, TechApps Consulting, Bentley Channel Partner</p> <p><b>Dr. Iyappan Lakshmanan,</b>          Principal Consultant, Magendhiran Consultancy Services</p>				
6.	Water Resources Management delivered during World Water Day – 2022	Guest Lecture	22.03.2022	-	<b>Mr. R. Ramachandran,</b> Superintending Engineer (Retd), PWD, Madurai,	10	90	-	-
7.	usage of National Instrument- DaQ system. (Data Acquisition system)	Workshop	04.04.2022	-	<b>Mr. Rajasekaran V,</b> Application Engineer at Innovative Invaders Technology	2	10	-	-



8.	Opportunities about Higher Education Abroad	Guest Lecture	06.04.2022	-	<b>Mr. George,</b> Consultant from Jamboree Education Limited, Chennai,	1	40	-	-
9.	Career Opportunities and Employability for Civil Engineers	Guest Lecture	08.04.2022	-	<b>Mr. A. Selva Kumar,</b> Construction Executive Trainer, Pareto Engineers Training Academy, Chennai	4	52	-	-
10.	Students Chapter of Indian Plumbing Association	Inauguration	12.04.2022	-	<b>Mr. Joseph Mathew</b> the Chairman of IPA Chennai chapter <b>Dr. S Virappan</b> National Executive Committee Member, <b>Mr. J Shankar</b> Joint Secretary and advocacy committee member and <b>Mr. Ramanathan</b> member of IPA	10	72	3	-
11.	An overview of Asia's longest coal jetty at Udangudi 2X660MW Super Critical Thermal Power Project	Guest Lecture	18.04.2022	-	<b>Mr. G. Jayarajan,</b> Superintending Engineer/Civil at Udangudi Thermal Power Project – TANGEDCO and Vice President, TNEBEA	3	40	-	-
12.	“STADD PRO”	Workshop	19.04.2022 - 20.04.2022	-	<b>Mr. N. Pradeep,</b> BIM Manager, Denovo Solutions, Chennai	2	-	-	10
13.	“BIM SOFTWARE”	Workshop	21.04.2022 - 22.04.2022	-	<b>Mr. N. Pradeep,</b> BIM Manager, Denovo Solutions, Chennai	3	-	-	10
14.	Soil Investigation and Site Exploration Techniques”	Workshop	26.04.2022 - 27.04.2022	-	<b>Dr. V Balakumar,</b> Senior Consultant, Simplex Infrastructures limited, Chennai <b>Mr.</b>	3	-	-	40

					<b>Karthikeyan A</b> , Proprietor, from M/s. Karthikeyan Associates, Chennai <b>Dr. P. Vasanthi</b> , Professor, Dean /SOI, BSACIST				
15.	GIS Software	Workshop	06.05.2022 - 07.05.2022	-	<b>Dr. P. Vasanthi</b> , Professor, Dean /SOI, BSACIST <b>Dr. K. Yogeswari</b> , Professor, BSACIST <b>Ms. K. Kanmani</b> , Assistant Professor, BSACIST  <b>Mr. B. Kannadasan</b> , Assistant Professor, BSACIST	5	-	-	75
16.	Impact of Solid Waste Management & Positive Effects of Source Segregation on an Individual & Community	Webinar	18.05.2022	-	<b>Ms. Ann Alexia Anra'</b> Sustainable Consultant, M/s Wasted 360 Solutions	30	200	-	-
17.	Coordinates Based Land Survey	Guest Lecture	23.05.2022	-	<b>Mr. A. Selvam</b> , General Manager at M/S. Land Coordinates Technology	3	38	-	-
18.	"Green Built Environment – Need of The Hour"	Webinar	26.05.2022	-	<b>Dr C. Velan</b> , City Head at CapitaLand, Chennai Operations.	1	18	-	-
19.	CIVICLAN 2022	Symposium	02.06.2022	-	<b>Dr. Colonel P.Nallathambi</b> Ph.D (Structural Engg.)/Principal Structural	18	100	-	82

					Consultant, Sakthi Consultancy Private Limited, Chennai				
20.	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022 - 16.06.2022	-	<p><b>Prof. Dr. M. Arockiasamy</b>          Professor &amp; Director, Centre for Infrastructure &amp; Constructed Facilities          Florida Atlantic University          Florida, USA</p> <p><b>Dr. Abdul Mannan</b>          Professor Department of Civil Engineering          Universiti of Malaysia Sarawak</p> <p><b>Dr. Che Khairil Izam Che Ibrahim</b>          Associate Professor Faculty of Civil Engineering          Universiti Teknologi Mara Malaysia</p> <p><b>Dr. Hameed Sulaiman</b>          Associate Professor of Environmental Science          Sultan Qaboos University          Oman</p> <p><b>Dr. M. Santanu</b>          Assistant Professor,          School of Agriculture          Shoolini University          Himachal Pradesh, India</p>	12	20	20	90

					<p><b>Dr. Gauravdatt Basutkar</b>          Scientific Assistant,          Technical University of          Braunschweig          Germany</p> <p><b>Mr. Mohamed Shafiq</b>          Melton City Council,          Melbourne, Australia</p> <p><b>Dr. Dipanjan Basu</b>          Professor, Department of          Civil and Environmental          Engineering University of          Waterloo          Canada</p> <p><b>Dr. Arun Chandramohan,</b>          Professor from National          Institute of Construction          Management and Research,          Hyderabad</p>				
21.	The Institution of Engineers – Students Chapter	Inauguration	30.06.2022	-	<p><b>Dr.T.M. Gunaraja</b>, FIE,          Former President, Institution          of Engineers (India).  <b>Dr. D. Elango</b>, FIE, Council          Member &amp; Chairman, IEI –          Kanchipuram</p>	18	62	2	-



**Engineer's day Celebration on 15.09.2021  
 (Chief Guest: Dr. C. Velan, City Head, Capital Land,  
 Engineer Chennai)**



**World Water Day 2022 celebrations on 22.03.2022  
 Chief Guest: Mr. R. Ramachandran, Superintending  
 (Retd,) PWD)**



**Workshop on National Instrument-DaQ system on 04.04.2022**



**Guest Lecture – Higher Education Abroad on 06.04.2022**



(Chief Guest: Mr. Rajasekaran.V Application Engineer at Innovative Invaders Technology)

(Chief Guest: Mr. George, Consultant from Jamboree Education Limited)



**Guest Lecture – Career Opportunities and Employability for Civil Engineers on 08.04.2022**  
 (Chief Guest: Mr. A. Selva kumar, Construction Executive Trainer, Pareto Engineers Training Academy, Chennai)



**Indian Plumbing Association Student Chapter Inauguration on 12.04.2022**  
 (Chief Guest: Mr. Joseph Mathew the chairman of IPA Chennai chapter, Dr. S Virappan National Executive Committee Member, Mr. J.Shankar Joint secretary and advocacy committee member and Mr. Ramanathan member of IPA)



**Guest Lecture on 18.04.2022**  
**(Chief Guest: Mr. G. Jayarajan, Superintending Engineer/Civil at**  
**Udangudi Thermal Power Project – TANGEDCO and Vice President, TNEBEA)**



**Two days workshop on “STADD PRO” organized during 19.04.2022 - 20.04.2022**  
**(Chief Guest: Mr. N. Pradeep, BIM Manager, Denovo Solutions, Chennai)**





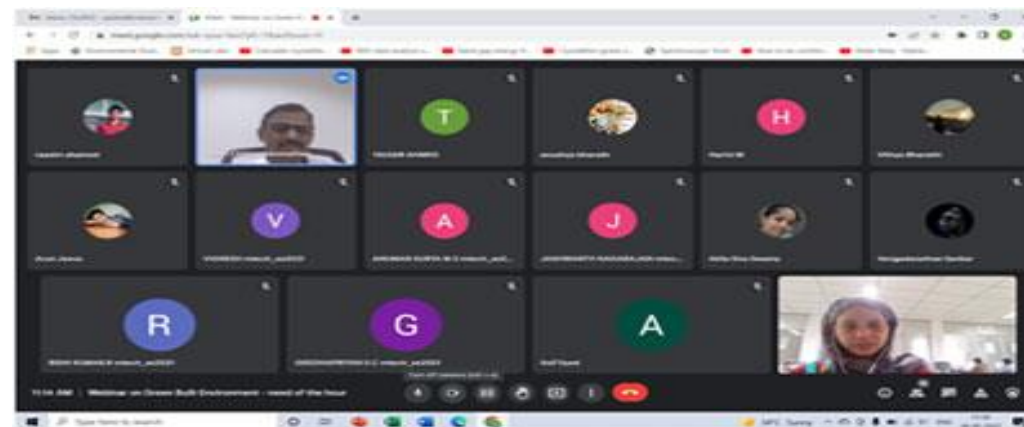
**2 days workshop on Soil Investigation and Site Exploration Techniques organized during 26.04.2022 - 27.04.2022  
 (Resource Persons: Dr. V Balakumar, Senior Consultant, Simplex Infrastructures limited, Chennai Mr. Karthikeyan A, Proprietor, from M/s. Karthikeyan Associates, Chennai and Dr. P.Vasanthi, Professor, Dean /SOI, BSACIST)**



**BIM workshop organized during 21.04.2022 – 22.04.2022  
 (Chief Guest: Mr. N. Pradeep, BIM Manager, Denovo Solutions, Chennai)**



**2-days workshop on GIS Software organized during 06.05.2022 - 07.05.2022  
 (Resource Persons: Dr. P. Vasanthi, Professor, Dean /SOI, BSACIST, Dr. K. Yogeswari, Professor, BSACIST,  
 Ms. K. Kanmani, Assistant Professor, BSACIST & Mr. B. Kannadasan, Assistant Professor, BSACIST)**



**Webinar on “Green Built Environment – Need of The Hour” - 26.05.2022  
 (Resource Person: Dr. C. Velan City Head – Chennai Operations)**



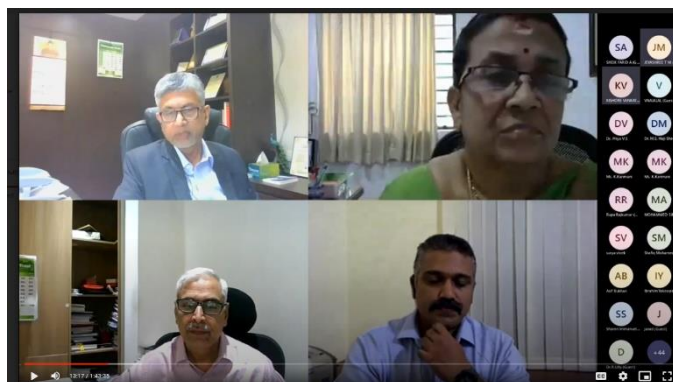
**National Level Technical Symposium CIVICLAN 2022 - 02.06.2022**  
(Chief Guest: Dr. Colonel P.Nallathambi, Principal Structural Consultant, Sakthi Consultancy Private Limited, Chennai)



**Inauguration of “The Institution of Engineers – Students Chapter” on 30.06.2022**  
(Chief Guest: Dr. T. M. Gunaraja, FIE, Former President, Institution of Engineers (India),  
Dr. D. Elango, FIE, Council Member & Chairman, IEI – Kanchipuram)



S. No	Name of Programme / Activity	Duration	Details of financial support received from Institution	Remarks
1.	Webinar on “Entrepreneurial Skill Development & Start-ups on Geospatial Applications	12.10.2021	Rs.2,000/-	-
2.	Three days workshop on “Site Investigation and Soil Exploration for Geotechnical Design”	09.11.2021-11.11.2021	Rs. 21,000/-	-
3.	Three days Certificate Programme on “Entrepreneurial Skill on Geospatial Data Management”	23.02.2022-25.02.2022	Rs.15,000/-	-
4.	Guest Lecture on “Career Opportunities and Employability for Civil Engineers”	08.04.2022	Rs.3,000/-	-
5.	Inauguration of Students Chapter of Indian Plumbing Association	12.04.2022	Rs.1,861/-	-
6.	Guest Lecture on “An overview of Asia’s longest coal jetty at Udangudi 2X660MW super critical thermal power project”.	18.04.2022	Rs.3,000/-	-
7.	Two days workshop on “STADD PRO”	19.04.2022-20.04.2022	Rs.2,520/-	-
8.	Two days workshop on “BIM Software”	21.04.2022-22.04.2022	Rs.5,145/-	-
9.	Two days workshop on :Soil Investigation and Site Exploration Techniques”	26.04.2022-27.04.2022	Rs.22,092/-	-
10.	Two days workshop on GIS Software”	06.05.2022-07.05.2022	Rs.8,620/-	-
11.	Guest Lecture on “Coordinates Based Land Survey”	23.05.2022	Rs.3,600/-	-
12.	Webinar on “Green Built Environment – Need of The Hour”	26.05.2022	Rs.2,000/-	-



**International Conference on “Recent Advances in Sustainable Construction Technologies and Environment”  
 (ICRASCE-2022) organized during 15.06.2022 – 16.06.2022**

**(Chief Guest: Dr. Arun Chandramohan, Professor, National Institute of Construction Management and Research, Hyderabad)**

**3. Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

S. No	Name of Programme / Activity	Duration	Details of the financial support received from Institution	Remarks
1.	Webinar on “Entrepreneurial Skill Development & Start-ups on Geospatial Applications	12.10.2021	Rs.2,000/-	-
2.	Three days workshop on “Site Investigation and Soil Exploration for Geotechnical Design”	09.11.2021-11.11.2021	Rs. 21,000/-	-
3.	Three days Certificate Programme on “Entrepreneurial Skill on Geospatial Data Management”	23.02.2022-25.02.2022	Rs.15,000/-	-

4.	Guest Lecture on “Career Opportunities and Employability for Civil Engineers”	08.04.2022	Rs.3,000/-	-
5.	Inauguration of Students Chapter of Indian Plumbing Association	12.04.2022	Rs.1,861/-	-
6.	Guest Lecture on “An overview of Asia’s longest coal jetty at Udangudi 2X660MW super critical thermal power project”.	18.04.2022	Rs.3,000/-	-
7.	Two days workshop on “STADD PRO”	19.04.2022-20.04.2022	Rs.2,520/-	-
8.	Two days workshop on “BIM SOFTWARE”	21.04.2022-22.04.2022	Rs.5,145/-	-
9.	Two days workshop on :Soil Investigation and Site Exploration Techniques”	26.04.2022-27.04.2022	Rs.22,092/-	-
10.	Two days workshop on GIS Software”	06.05.2022-07.05.2022	Rs.8,620/-	-
11.	Guest Lecture on “Coordinates Based Land Survey”	23.05.2022	Rs.3,600/-	-
12.	Webinar on “Green Built Environment – Need of The Hour”	26.05.2022	Rs.2,000/-	-

#### 4. Conferences / FDP / Seminars / Workshops attended by faculty

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency
1.	Dr. P. Vasanthi	Waste Energy and Environment 'ICWEE - 2021	International Conference	23.09.2021-24.09.2021	Sathyabama Institute of Science and Technology
2.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
3.	Dr. J. Revathy	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
4.	Dr. P. Gajalakshmi	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
5.	Dr. K. Yogeswari	International Conference on Management, Engineering Science and Humanities	International Conference	19.01.2022	Builders Engineering College
6.		Recent Advances in Sustainable Construction Technologies and	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology

		Environment (ICRASCE-2022)			
7.	Dr. A.K.Kaliluthin	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
8.	Dr. V.S.Priya	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
9.	Dr. Nisha Khanam	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
10.	Ms. V. Roopa	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
11.		Waste Energy and Environment 'ICWEE - 2021	International Conference	23.09.2021-24.09.2021	Sathyabama Institute of Science and Technology
12.	Ms. K. Kanmani	Advanced Remote Sensing applications and Machine Learning for Environment Sustainability"	FDP	24.06.2022-05.07.2022	Dr. M.G.R. Educational & Research Institute



13.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
14.	Mr. Y. Ibrahim	Waste Energy and Environment 'ICWEE - 2021	International Conference	23.09.2021-24.09.2021	Sathyabama Institute of Science and Technology
15.		"Communication skills, modes and knowledge Dissemination"	Training Programme	February, 2022	NITTT and AICTE.
16.		"Orientation towards Technical education and curricular aspects"	Training Programme	February, 2022	NITTT and AICTE.
17.		21 Days Faculty orientation Program on NEN – Ignite – 3.1-Advanced Entrepreneurship	Faculty orientation Program	10.05.2022-01.06.2022	Wadhvani Foundation

18.		FDP on Leadership	FDP	01.06.2022	B.S.Abdur Rahman Crescent Institute of Science and Technology
19.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
20.	Mr. S. Shafeer Ahamed	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
21.		Waste Energy and Environment 'ICWEE - 2021	International Conference	23.09.2021-24.09.2021	Sathyabama Institute of Science and Technology
22.		"Communication skills, modes and knowledge Dissemination"	Training Programme	February, 2022	NITTT and AICTE
23.	Ms. Ayisha Siddiqua	"Orientation towards Technical education and curricular aspects"	Training Programme	February, 2022	NITTT and AICTE
24.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology

25.	Mr. A. Manivannan	FDP on Green Concrete Technology (GCT 2022)	FDP	21.02.2022 - 25.02.2022	Indian Concrete Institute
26.		FDP on Facilitating Digital Transformation in Design, Construction and Management Process of Civil Engineering	FDP	21.02.2022-02.03.2022	Ministry of Electronics and Information Technology at NITW and E&ICT Academy, NIT Warangal
27.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
28.	Mr. B. Kannadasan	Research Methodology	Faculty Improvement Programme	01.07.2021-10.07.2021	Prerna College of Commerce, Nagpur, Maharashtra
29.		Data Analytics	FDP	05.07.2021-09.07.2021	AICTE sponsored at Centre for Electronic Governance
30.		Intelligent Transport System	FDP	05.07.2021-09.07.2021	Hindustan Institute of Technology and Science
31.		Integrated Data Analytics - the tools and Applications around Industry Verticals	FDP	05.07.2021-09.07.2021	AICTE Sponsored at Holy cross College (Autonomous), Tiruchirappalli.
32.		GIS & Remote Sensing	FDP	06.07.2021-10.07.2021	Institute of Engineering & Technology Devi Ahilya University, Indore
33.		Industry Prospect in Quantum Computing	Webinar	10.07.2021	JIS college of Engineering , West Bengal
34.		Geographic Information System (GIS)	STTP	19.07.2021-23.07.2021	K.J.Somaiya College, Mumbai

35.	Recycling Materials in Highway Construction	STTP	19.07.2021-24.07.2021	INDO Global College of Engineering, Chandigarh
36.	Modern Simulation Techniques for Engineering Research	FDP	26.07.2021-30.07.2021	Kamla Nehru Institute of Technology Sultanpur
37.	Geotechnical and Transportation Engineering	Short Term Course	26.07.2021-30.07.2021	G.H.Raisoni College of Engineering & Management, Pune
38.	Smart Grid and Sustainable Energy Management in Virtual Power Plants	FDP	26.07.2021-31.07.2021	ByJu's sponsored at Sathyabama Institute of Science and Technology, Chennai
39.	Emerging Technologies in Civil Engineering	FDP	27.07.2021-31.07.2021	AICTE sponsored at Institute of Engineering and Technology
40.	Industrial Revolution 4.0: Future Opportunities and Challenges in Civil Engineering	FDP	28.07.2021-30.07.2021	M.S. Ramaiah Institute of Technology, Bengaluru
41.	Smart Cities	FDP	02.08.2021-06.08.2021	AICTE Sponsored at National Power Training Institute - Power Systems Training
42.	Data Sciences	FDP	09.08.2021-13.08.2021	AICTE Sponsored at National Power Training Institute - (Southern Region)
43.	Simulation with matlab - from device to circuit	STTP	09.08.2021-14.08.2021	AICTE sponsor at JIS College of Engineering
44.	Application of Geospatial Technologies in Building Sustainable Smart Cities"	STTP	23.08.2021-27.08.2021	PSG Institute of Technology and Applied Research, Coimbatore
45.	"GIS & Remote Sensing"	FDP	20.09.2021-24.09.2021	AICTE Training and Learning (ATAL) Academy at National Power Training Institute - Shivpuri (M.P)

46.	"Internet of Things (IOT): Architecture & System Level Design"	FDP	27.09.2021-01.10.2021	AICTE Training and Learning (ATAL) Academy at Guru Gobind Singh Indraprastha University
47.	Data Science for Power Utilities	FDP	06.12.2021 - 10.12.2021	National Power Training Institute, Power Systems Training Institute, Bengaluru
48.	Essentials of Machine Learning	FDP	13.12.2021 - 17.12.2021	Centre for Development of Advanced Computing (CDAC)
49.	Innovation Entrepreneurship & Startup	FDP	20.12.2021 - 24.12.2021	National Institute of Technical Teachers Training and Research, Bhopal
50.	Recent Advancements & emerging economic aspects of Transportation Geotechnology (RAEEATG 2021)	International Workshop	20.12.2021 - 24.12.2021	NIT Agartala
51.	Pollution control and Remediation - A Geo environmental Approach	Orientation /Refresher Prog.	29.12.2021 - 04.01.2022	Malnad College of Engineering, Hassan, Karnataka
52.	Lean Concepts and Impact Assessments towards Sustainability in Indian Construction Industry	National Workshop	10.01.2022 - 11.01.2022	Anna University
53.	AI in Power and Energy Utilities	Orientation Programme	18.01.2022 - 24.01.2022	Mar Baselios College of Engineering and Technology, Nalanchira, Thiruvananthapuram, Kerala
54.	Machine Learning Applications for Autonomous Driving	FDP	24.01.2022 - 28.01.2022	KLE Technological University



55.		Advance Surveying Using Total Station and DRONE	FDP	07.02.2022 - 11.02.2022	B.L.D.E.A DR.P.G. HALAKATTI College of Engineering and Technology
56.		New Frontiers in Architecture, Engineering and Construction	FDP	21.02.2022 - 25.02.2022	Thiagarajar College of Engineering
57.		Sustainable Energy Efficient Green Technology	FDP	21.03.2022 - 26.03.2022	MSRIT
58.		21 Days Faculty orientation Program on NEN – Ignite – 3.1-Advanced Entrepreneurship	Faculty orientation Program	10.05.2022-01.06.2022	Wadhvani Foundation
59.		FDP on Leadership	FDP	01.06.2022	B.S.Abdur Rahman Crescent Institute of Science and Technology
60.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
61.		FDP on " Advanced Remote Sensing applications and Machine Learning for Environment Sustainability"	FDP	24.06.2022-05.07.2022	Dr. M.G.R. Educational & Research Institute
62.	Mr. Sheik Farid	"Bamboo - A Sustainable Eco-Friendly Material for Buildings"	Webinar	27.12.2021-29.12.2021	CSIR-CBRI, Roorkee.

63.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
64.	Mr. S. Dhamodharan	Green Buildings & Built Environment	FDP	02.08.2021-06.08.2021	Confederation of Indian Industry
65.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology
66.	Ms. N. Manicka Priya	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology

**5. Papers Published/ Presented in Journals & Conferences (July 2021-June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	4	5	19	1	-	10	18	57

## 6. Details (list) of the Publication in National & International Journals & Conferences: (IEEE Format)

### International Journal

1. Gaurav Shyam, Dr. K. Yogeswari, “Review on Mechanical Properties of M30 Concrete in addition with Steel Fiber and Jute Fiber” IOSR Journal of Mechanical and Civil Engineering Vol.18, Issue 4, pp 15-18, July 2021
2. B. Indhu, K. Yogeswari, “Structural Equation Modelling (SEM) Approach on Inappropriate Construction Equipment Delay Factors” Civil Engineering Journal Vol.7, Issue 7, pp.1156-1168, July 2021.
3. Rajeshkumar R and Manivannan. A, “Experimental Study on Partial Replacement of Cement with GGBS in Ultra High-Performance Concrete” International Journal for Research in Engineering Application & Management (IJREAM) Vol.7, Issue 4, pp63-68, July 2021
4. R. Rabin and Manivannan. A, “Experimental Study on Partial Replacement of Cement with Alccofine and Sugarcane Bagasse Ash in Concrete” International Journal for Research in Engineering Application & Management (IJREAM) Vol.7, Issue 4, pp 69-72, July 2021.
5. M.F. Mohamed Sameer A. Manivannan “Experimental Study on Slurry Infiltrated Fibrous Concrete” International Journal for Research in Engineering Application & Management (IJREAM) Vol.7, Issue 4, pp 73-77, July 2021.
6. Arvandan Sivasuriyan, D.S. Vijayan, A. Leema Rose, J. Revathy, S. Gayathri Monicka, U.R. Adithya, J. Jebasingh Daniel “Development of Smart Sensing Technology Approaches in Structural Health Monitoring of Bridge Structures” Advances in Materials Science and Engineering Vol.1, Issue .1, pp 1-14, August 2021.
7. C.Pavithra, J. Revathy, P. Gajalakshmi “Structural Behavior of hybrid double - Skin Tubular FRP - Concrete - Steel Column: State of the art review” Innovative Infrastructure Solutions Vol.1, Issue1, pp 1-19, September 2021.
8. Dhanasingh Sivalinga Vijayan, Arvandan Sivasuriyan, Parthiban Patchamuthu, J. Revathy “Thermal Performance of Energy - Efficient Buildings for Sustainable Development” Environmental Science and Pollution Research Vol.1, Issue 1, November 2021.
9. Prakash A, Christu Paul. R, S. Stewart Kirubakaran, Mohammad Haider Syed, Kannadasan B and Jyothi N.M “Bio-Inspired Framework for The Deployment of the Smart City Environment Using Integrated Technology” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Issue 10(11) pp.375 -390, November 2021.

10. Kannadasan. B, Manohar.M.P. And Vikas Tripathi “In The lot Transport Sector, Effective Reactor Safety Healthcare Management of Vacancies on Passenger Buses” International Journal of Biology, Pharmacy & Allied Sciences Vol :1, Issue 10(11) pp.1437-1446, November 2021.
11. Sumathy B, Haseebayaseen, Vijay Kumar, Abhishek Ashok, Mohan and Kannadasan. B “Physiological Signal Processing Via Machine Learning for Personal Stress Detection” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11), pp.442-453, November 2021.
12. Sakthivel S, Chirra Kesava Reddy, Kannadasan B, P. Viswanath, Jyothi N.M and Karpagam.M “Estimation of Agricultural Production Using Categorization Methods in the Context of Big Data Analysis” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp563-573, November 2021.
13. Thanga Ramya .S, Praveena.D, Kapoor.R, Saritha. M, Sharanyaa .S and Kannadasan B “Deep Learning for Big Data and its Applications Including Clinical Image Processing Using CNN Approach” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) 623-631, November 2021.
14. Kannadasan B, Dheeraj Rane, Sathish Kumar Penchala, Ranjan Walia, Sonu Kumar and Selvan. P “Smart Cities and Embedded IoT Sensor Systems to Improve the Performance of the Automated Environment” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp.632-644, November 2021.
15. Chandrika V S, Kannadasan B, Srikanth Renikunta, M. Nagabushanam, Ranjan Walia and V Gopu “Automatic Detection of Emotions in Vehicle Drivers based on Analysis of Biomedical Data to Improve the Performance” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp.700-714, November 2021.
16. Shivakumara T, Purvansh Jain, Rajshekhar M Patil, Dinesh Mavaluru, Lokeswara Reddy.V and Kannadasan. B “Detection and Classification of Intruder Data Attacks Using Internet of Things and Machine Learning Techniques Based on Environment Situation” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp 1039-1047, November 2021.
17. Maniraj S. P., Roopa Shettigar, Kannadasan. B and S. Prabhu “Artificial Intelligence Application in Human Resource Development” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp. 1089-11007, November 2021.

18. Sivakami.R, Kannadasan. B and Bhasker Pant “Analyze and Deliver Reactor Safety Healthcare Policies for Various Automotive IoT-Enabled Devices” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp. 1425-1436, November 2021.
19. Srilakshmi C H, Sheik Faritha Begum, M. S. Vinmathi, Sonu Kumar, Zatin Gupta and Kannadasan B “A Real-Time Bio-Manufacturing Observation System Featuring an IoT Sensor Using Big Data” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp.527-539, November 2021.
20. Dhirendra Kumar Sharma, Srikanth Renikunta, Priya J, Kannadasan B, Zatin Gupta and Venu D “Access To Carrier-Based Outreach Service In The Transportation System For Latency Tolerance In The Environment” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp.574-587, November 2021.
21. R. Raffik, M.Michael Jones, T.Murugajothi, B.Kannadasan “Intelligent Accident Detection and Smart Alert System for Vehicles” International Journal of Mechanical Engineering Vol.6, Issue 3, pp2391-2396, December 2021.
22. J. Revathy, P. Gajalakshmi, K.K. Yaswanth, “Strength, Durability and Micro- Structural Assessment of Slag- Agro blended based Alkali Activated Engineered Geopolymer Composites”, Case Studies in Construction Materials, Vol :16, Issue :1, pp.1-17, January 2022.
23. K.C. Vinu Prakash, K. Yogeswari “Study of Noise Pollution with Associated Risk on Workers at the Construction Site” Journal of Environmental Protection and Ecology Vol. No. 23, Issue No.5, pp 1854-1863, January 2022.
24. J. Revathy, P. Gajalakshmi, K.K. Yaswanth, “Artificial Neural Network with a Cross – Validation Technique to Predict the Material Design of Eco – friendly Engineered Geopolymer Composites” Materials Vol:15, Issue: 1, April 2022.
25. J. Revathy, P. Gajalakshmi, “Numerical Modeling of Geopolymer Concrete in-filled fibre- reinforced Polymer Composite Columns Subjected to Axial Compression Loading” Materials Vol:15, Issue: 1, April 2022.
26. J. Revathy, P. Gajalakshmi, “Behaviour of Double-Skin Tubular Concrete Column with Stiffened Plate” Materials Vol :1, Issue :1, pp.445-459, 2022.
27. J. Revathy, P. Gajalakshmi, “Estimating the Axial Compression Capacity of Concrete – Filled Double Skin Tubular Columns with Metallic and Non – Metallic Composite Materials” Materials Vol :1, Issue :1, pp.1-39, April 2022.

28. K.C. Vinu Prakash, K. Yogeswari “Study of Average & Maximum Level of Noise Range at Building Construction Site for Workers Welfare”  
 Neuroquantology Vol. .20, Issue .6, June 2022.

**International Conference:**

1. M. Ayisha Sidiqqa, V.S. Priya “Treatment of Yellow Dye in the Textile Effluent - A Review” International Conference on Waste, Energy and Environment (ICWEE-2021) Vol.1, Issue 1, pp.95 September 2021
2. K. Kanmani, Dr. P. Vasanthi, N. Maharajan “Soil Quality Indicator Mapping using GIS” International conference on Waste, Energy and Environment (ICWEE–2021) Vol. 1, Page 110, September 2021.
3. N. Maharajan, K. Kanmani, Dr. P. Vasanthi “Correlating Image Backscatter with Forest Cover Objects using SAR data” International conference on Waste, Energy and Environment (ICWEE–2021) page 99, September 2021.
4. Ibrahim Y, Vasanthi Padmanabhan, Jagadeesh K “Domestic and Industrial Wastewater Treatment by Natural Organic Coagulants” International conference on Waste, Energy and Environment (ICWEE–2021) page 99, September 2021.
5. B. Kannadasan, K. Yogeswari “Applications Powered by Artificial Intelligence Are Paving the Way for Smarter Urban Mobility” International Conference on Management, Engineering, Science and Humanities, ISBN: 978-93-91535-16-2, January 2022.
6. B. Kannadasan “IOT Based Indoor Real Time Location System for Efficient Location Tracking” International Conference on Intelligence System (ICIS-2022), March 2022.
7. Thulasimani T, D. Sundaranarayana, Kannadasan B, Sivakumar Ponnusamy, K. Pavithra, R. Salini “Analysis of Vacancies on Passenger Bus in the Context of IoT Transport Sector with Efficient Management Technologies” Guangdianzi Jiguang/Journal of Optoelectronics Laser, Volume 41, Pages 129–133, March 2022.
8. Pavan Kumar D.; Vinay Babu S.; Surakasi R.; Bradley Bright B.; Rajeeth T.J.; Kannadasan B.; Pitchandi P, “Influence of Nano-filler Content on the Freeze-Thaw Cycle of the Nano-Concrete Mixture” Materials Today: Proceedings, Volume 62, pp 5164-5168, March 2022.
9. Kannadasan B “Cloud Computing Based Renewable Energy Demand Management System” International Conference on Biomedical Engineering and Computing Technologies ICBECT 2022, April 2022.

10. B. Kannadasan “Smart Agriculture: Role of AI Based Technology in Agriculture” International Conference on Nanomaterials and Nanodevices(ICNN-2022), April 2022.
11. Sudha D.; Raja Gopal S.; Sowmiya J.K.; Kannadasan B.; Narayan P.; Ghosh T “Study on the Heat Gain through A Twin Glass Window (TGW) using an organic PCM” Materials Today: Proceedings, April 2022.
12. Gupta A.D.; Kishore K.; Prasad A.B.; Kannadasan B.; Narayana M.S.; Singh P “The Intelligent Smart City Deployment Via Artificial Intelligence Software Networking” 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022, Pages 612-617, April 2022.
13. Kamal S.; Shobha K.R.; Francis F.; Khilar R.; Tripathi V.; Lakshminarayana. M; Kannadasan. B; Sahile K.”IOT Automation with Segmentation Techniques for Detection of Plant Seedlings in Agriculture” Wireless Communications and Mobile Computing, April 2022.
14. Puthilibai G.; Prabhu. B; Vinodkumar V.;Surakasi R.;Kannadasan B.;Kumar Bohidar S.;Subbiah R.”Study on the Impact of Twisted Tapes on the Water Temperature Enhancement in Solar Water Heater” Materials Today: Proceedings, Vol. 62, pp.5114 -5118, April 2022.
15. B. Kannadasan, Dr. K. Yogeswari “Investigation of Urban Growth Using Geospatial Techniques” Indian Social Science Congress (ISSC) 2022, April 2022.
16. Mohan Gift M.D.;Sharun V.;Surakasi R.;Kannadasan B.;Karuna M.S.;Kumar Singh M.;Subbiah R.”Study on the impact of Nano-Reinforcements on the Fatigue Strength of Adhesive Joints” Materials Today: Proceedings, Volume 62, pp 5177-5181, April 2022.
17. Logarajan.S, Dr. K. Yogeswari, Mr. B. Kannadasan “Risk Assessment and Smart Management of Semi Urban Area – Manimangalam” International Conference on Recent Advances in Sustainable Construction Technologies and Environment, (ICRASCE-2022), June 2022.
18. S. Thameez Ahmed, Dr. K. Yogeswari, Mr. B. Kannadasan “Real Time Analysis of Traffic at Perungalathur to Urapakkam” International Conference on Recent Advances in Sustainable Construction Technologies and Environment, (ICRASCE-2022), June 2022.
19. Kannadasan B, Dr. K. Yogeswari “Modern Transportation Management System Based on Geospatial Technology for Chennai City” International Conference on Recent Advances in Sustainable Construction Technologies and Environment, (ICRASE-2022), June 2022.



20. Ayisha Siddiqua M, Karpagam V, K. Kanmani, Mughil.I (2022), “Analysis of Geospatial Variations of Groundwater Quality in Semi Urban Region of Chennai”, International Conference on Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022), B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India, Vol. 1, pg no., ISBN 978-93-8921-221-1 1, June 15 - 16 2022.
21. Kanmani K, Vasanthi P, Maharajan N (2022), “Study of Various Soil Moisture Models using Synthetic Aperture Radar (SAR) Image”, International Conference on Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022), B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India, Vol. 1, ISBN 978-93-8921-221-1, June 15 - 16 2022.
22. Ibrahim.Y “Study on the Treatment of Textile Effluent by using Combined Natural Coagulation and Sequencing Batch Reactor Process”, on Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022) 15-16, June, 2022.
23. Ibrahim. Y “Investigational Study on Strength of Bricks using De-Inking Paper Sludge”, on Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022) 15-16, June, 2022.
24. Ibrahim. Y “A Novel Natural Coagulant used in the Treatment of Textile Dyeing Effluent for Green Environment”, on Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022) 15-16, June, 2022.

**National Journal:**

1. Md Muheeb Ahmed, Mohd Umar, Ahmed Abdul Ahad and M.S. Haji Sheik Mohammed “Optimisation of Mix proportion for repair mortar modified with mineral and Chemical Admixtures” Journal of Structural Engineering (JOSE) Vol.48, Issue 2, pp 89-103, July 2021.

**National Conference:**

1. Kanmani K, Maharajan N, Vasanthi P, Harinarayana T, “Surveillance Tool to Life Saver – The Facets of Remote Sensing Technology (2022)”, 45th Indian Social Science Congress organized by Indian Social Science Academy (ISSA) in association with BSACIST, pp.97, March 28 – April 01, 2022.
2. M.Ajona, Dr. Vasanthi Padmanabhan, “Bio-remediation Technology for the Oil Contaminated Environment”, 45th Indian Social Science Congress organized by Indian Social Science Academy (ISSA) in association with BSACIST, pp.97, March 28 – April 01, 2022.

3. Wasif Yuhan S. R, Syed Umma Salma, V. S. Priya, “Survey on Environmental Impact Induced by the Car Users and Suggestive Measures to Implement Eco-Friendly Driving Strategies in Chennai”, 45th Indian Social Science Congress organized by Indian Social Science Academy (ISSA) in association with BSACIST, pp.97, March 28 – April 01, 2022.
4. B. Kannadasan, Dr.K.Yogeswari, “Investigation of Urban Growth using Geospatial Techniques”, 45th Indian Social Science Congress organized by Indian Social Science Academy (ISSA) in association with BSACIST, pp.97, March 28 – April 01, 2022.

### 7. Book(s) Published

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country & Month of publication	Availability status
			Rs	\$		
1.	Mr. B.Kannadasan	Business Forecasting	Rs.580/-	-	AGPH Books	Yes
2.	Mr. B.Kannadasan	Internet of Things for business professionals	Rs.500/-	-	Book Rivers	Yes
3.	Mr. B.Kannadasan	Modern Approaches of Data mining – concept and Algorithms	Rs.550/-	-	Alpha International Publication	yes
4.	Mr. B.Kannadasan	Database Management System	Rs.500/-	-	Xpress Publications	yes
5.	Mr. B.Kannadasan	Introduction to Big Data Processing and modeling with Hadoop	Rs.550/-	-	Alpha International Publication	Yes
6.	Mr. B.Kannadasan	Entrepreneurship	Rs.500/-	-	Book Rivers	Yes

### 8. Patents (Obtained / Applied)

S. No	Details of the Faculty & Affiliation	Title of Patent	Details of the Patents			Details of the Financial Assistance from Institution
			Filed	Published	Granted	
1.	Mr. B.Kannadasan	Block Chain based Smart Management of Human Resource to optimize performance	-	Published	-	-
2.	Mr. B.Kannadasan	Deep Learning and Wireless Based Energy Efficient Autonomous System for Pollution Control in e-cities	-	Published	-	-
3.	Mr. B.Kannadasan	Machine Learning Method & System for Solving a Prediction Problem from larger data source	-	Published	-	-
4.	Mr. B.Kannadasan	Integrated Business Model for Supply Chain Management	-	Published	-	-
5.	Mr. B.Kannadasan	Model a Building Information System to collect the needed information	-	Published	-	-
6.	Mr. B.Kannadasan	Effective Management in Allotment of vacant seats on moving bus using IOT	-	Published	-	-
7.	Mr. B.Kannadasan	Quality and Entrepreneurship Model to Enhance the Affecting Factors of Human Productivity	-	Published	-	-
8.	Mr. B.Kannadasan	Artificial Intelligence Based Diagnosis of Malignant Skin Disease Using Classification Algorithm	-	Published	-	-
9.	Mr. B.Kannadasan	Artificial Intelligence and Robotic Enabled Future Generation of Smart Satellites	-	Published	-	-
10.	Mr. B.Kannadasan	IOT Based Intelligent Traffic Management System	-	Published	-	-
11.	Mr. B.Kannadasan	Engineering Manpower Outsourcing Technique for Corporate Industries	-	Published	-	-

12.	Mr. B.Kannadasan	Design of Real Time Control of Launch Vehicles Using Wireless Sensor Network	-	Published	-	-
13.	Mr. B.Kannadasan	Artificial Intelligence In Smart Farms	-	Published	-	-
14.	Mr. B.Kannadasan	Fuzzy Model to Improve Manpower Capability	-	Published	-	-
15.	Mr. B.Kannadasan	Image Processing and Deep Learning Based Smart Tracking and Counting Vehicle	-	Published	-	-
16.	Mr. B.Kannadasan	Management of The Industry 4.0 Business Model	-	Published	-	-
17.	Mr. B.Kannadasan	Development of Bio Materials Process for Engineering Production and Control	-	Published	-	-
18.	Mr.B.Kannadasan	An Economic Model to the Industry using real time optimizer	-	Published	-	-
19.	Mr. B.Kannadasan	A technical physical assessment of the structural steel manufacture for improving the performance	-	Published	-	-
20.	Mr. B.Kannadasan	IOT Based Smart Voting System through Facial Recognition using open CV	-	Published	-	-
21.	Mr. B.Kannadasan	A Novel Business Model For Industry 4.0	-	Published	-	-
22.	Mr. B.Kannadasan	An Artificial Intelligence & Machine Learning Based System For Railway Asset Management	-	Published	-	-
23.	Mr. B.Kannadasan	Modeling and Simulation Studies To Improve Labeled Bio Compounds For Construction Engineering	-	Published	-	-
24.	Mr. B.Kannadasan	A Multi-Zone Model Based on Simulation for Thermal Building	-	Published	-	-
25.	Mr. B.Kannadasan	Real Time Agriculture Field Monitoring System Using lot	-	Published	-	-

26.	Mr. B.Kannadasan	An Applied Computer System for High-Efficiency Value Stream Management And Mapping and Process Tracking	-	Published	-	-
27.	Mr. B.Kannadasan	A System & Method for Rail Transportation Property Management Using Ai & MI	-	Published	-	-
28.	Mr. B.Kannadasan	Monitoring Soil Deformation & Temperature Using Flexible Wireless Sensor	-	Published	-	-
29.	Mr. B.Kannadasan	Secure The Supply Chain Management System In E-Commerce Using Block chain Technology	-	Published	-	-
30.	Mr. B.Kannadasan	Multi Speed Drone for Remote Field Monitoring System	-	Published	-	-
31.	Mr. B.Kannadasan	IOT Based Smart Farming For Automatic Weather Forecasting And Monitoring Moisture Levels to Prevent Crop Damaging for Higher Crop Yield	-	Published	-	-

➤ **Details of Impact Factor of the Publication of the department**

No. In Scopus -11

### 9. Sponsored Research (Ongoing / Granted)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2021-2022	Balance available	
1.	Dr.Amlan Kumar Sengupta, Department of Civil Engineering, IIT Chennai, Dr. RadhaKrishna G Pillai, Department of Civil Engineering, IIT Chennai, Dr. M.S. Haji Sheik Mohammed.	Extra Mural Research Funding	Structural Behaviour of Corroding Prestressed Concrete Systems and Extension of Service Life using Cathodic Protection	Rs. 39.6 lakhs	-	-	-	Ongoing
2.	Dr. RadhaKrishna G Pillai, Department of Civil Engineering, IIT , NIT Trichy, Dr. M.S. Haji Sheik Mohammed,	Industry Project	Evaluation of Sacrificial Anode Cathodic Protection (SACP) systems for Reinforced Concrete Applications	Rs. 9.912 lakhs	-	-	-	Ongoing
3.	Ms. Roopa.V,	DST,SERB,TARE	Corrosion protection and service life extension of reinforced concrete roofing systems in existing buildings	Rs. 18,30,000 Amount Earmarked for Crescent: Rs. 8,25,000	-	-	-	Ongoing

4.	Dr. J. Revathy Dr. P. Gajalakshmi	Research Promotion Scheme, (RPS), AICTE, New Delhi	Seismic behaviour of light weight concrete filled FRP tubular columns	Rs. 2 lakhs	-	-	-	Ongoing
5.	Dr. Vasanthi Padmanabhan and Dr. J. Revathy	Modernisation and Upgradation of Structural Engineering Lab –Non Destructive Testing facility	MODROB, AICTE New Delhi	Rs. 10 lakhs	-	-	-	Ongoing
6.	Dr.V.S.Priya	DST Power grant	Treatment of emerging contaminants in grey water using plasma assisted photocatalysis	Rs.30 lakhs	-	-	-	Applied
7.	Dr. P.Vasanthi and V.S.Priya Dr.	MODROB	Characterisation and quantification of emerging contaminants in water, waste water and sludges	Rs.20 lakhs	-	-	-	Applied

#### 10. Details of the Major Equipment Purchased (Financial year 2021-22)

S.No	Name of the Equipment	Make & Country	Date of purchase	Date of installation	Amount in Rs
1.	Resipod	Aimil Limited, New Delhi	21.03.2022	21.03.2022	1,96,350/-
2.	Resipod Software	Aimil Limited, New Delhi	21.03.2022	21.03.2022	1,12,875/-



3.	Buoyancy Balance (AIM9933)	Aimil Limited, New Delhi	07.07.2022	07.07.2022	89,752/-
4.	Round Drum semi automatic concrete mixer1	Leading edge lab equipments, Coimbatore	14.02.2022	14.02.2022	92,768/-
5.	Strain control UTM	Hitech India Equipment Pvt Ltd, Chennai	21.02.2022	21.02.2022	11,50,000/-
6.	Self Consolidating Concrete Apparatus	TMC Associate, Chennai	03.05.2022	03.05.2022	56,700/-
7.	Miclins Peristaltic Pump	Miclins, Chennai	19.03.2022	19.03.2022	69,510/-
8.	Precision Turbidity Meter	Hanna Equipments India Private Ltd, Maharashtra	11.07.2022	11.07.2022	1,32,653/-
9.	Relative Density Apparatus	Hydraulic & Engineering Instruments, New Delhi	23.03.2022	23.03.2022	1,43,000/-

#### 11. Achievements of Faculty & non teaching staff

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Dr. M.S. Haji Sheik Mohammed	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September, 2021
2.	Dr. J.Revathy	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September, 2021
3.	Dr. P.Gajalakshmi	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September, 2021
4.		Best Researcher Award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September, 2021
5.		Delivered (online) Lecture on "Progressive Collapse	National Institute of Technical Teachers Training and Research	June, 2022

		Analysis of Multistoried Building”		
6.	Dr. K.Yogeswari	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September, 2021
7.		Resource Person in Webinar on Smart Cities	Jyothi Engineering College	July, 2021
8.		External Examiner in Viva Voce’s Examination.	SRM Institute of Science and Technology, Kattankulathur Campus	May, 2022
9.		Delivered Lecture on “Green Building Concept and its application in Smart Cities”	Sai Ram Engineering College, Chennai	May, 2022
10.	Mr. Y.Ibrahim	Gold Award	M/s. Wadhvani Foundation	June, 2022
11.	Mr. Kannadasan B	Best Paper Award	B.S.Abdur Rahman Crescent Institute of Science and Technology	June, 2022
12.		Silver Award	M/s. Wadhvani Foundation	June, 2022
13.		NPTEL Evangelist	NPTEL IIT Madras	July – December 2021



## 12. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mr. Mohamed Abith	190011601018	Completed Diploma in Building Design & Analysis	CADD Centre	02.02.2022
2.	Mr. Mohamed Asjath M	190011601019	Member in Institute for Engineering Research & Publication	Institute for Engineering Research & Publication	04.02.2022
3.			Completed course in Social Media Marketing	Career Development College London	05.02.2022
4.			Scored 100% in Civil Engineering online quiz Competition	Ninth sem	02.05.2022
5.	Mr. Safeer Jasim .S	200011601015	Won the first prize in Design Competition on Civiclan 2022	BSACIST	02.06.2022
6.	Mr. Ragavan.K	210011601029	Participated in first junior National Dodge ball championship for boys and girls	The Indian Dodge ball Federation	24.06.2022 - 26.06.2022

## 13. Details of credit transfer through NPTEL/Swayam/MOOC courses

S.No	Name of the student & Programme	RRN	Name of the course & Credit	Duration	Grade Obtained	Month & Year of credit transfer
1.	Mr. V. Mukesh Vashan	211202601014	Non – Conventional Energy Resources	January – April 2022 (12 Week Course)	50%	-

**14. Developmental Activities of the department (for branding/knowledge dissemination etc.)**

S.No	Details of the development activity	Duration	Details of the Faculty and student participants	Objective	Outcome
1.	Webinar on Career Opportunities for Civil Engineers by Mr.N.G.Muralidharan, Consultant & Distributor for India, Radcrete pacific Pty Limited Australia	1 day (08.10.2021)	B.Tech. Civil Engineering Third year and Final Year Students	To give exposure on various opportunities after their graduation	The students were benefitted in understanding the various opportunities related to government sectors, private sectors and as an entrepreneur.

**15. Industry / Institute Collaboration**

S.No	Name & Detail of Industry	Type of Collaboration	Month & Year of commencement	Status		Outcome
				Ongoing	Completed	
1.	Larsen and Turbo, Private Limited, Chennai	Teaching & Lab	23.05.2022	ongoing		1. Students acquired knowledge on designing steel structures in more practical way by adopting real time structures. 2. Field visits to the ongoing project sites also enhanced this learning process in an easiest way.

## 16. Professional Society Activities

S.No	Name of the Society	Type of activity	Details of the Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1.	Society of Civil Engineers	Webinar on Career Opportunities for Civil Engineers on 08.10.2021	84	8	-	Mr.N.G.Muralidharan, Consultant & Distributor for India, Radcrete pacific Pty Limited Australia	The students were benefitted in understanding the various opportunities related to government sectors, private sectors and as an entrepreneur.	-
2.	Society of Civil Engineers	Inauguration of Students Chapter of Indian Plumbing Association on 12.04.2022	13	72	-	Mr. Joseph Mathew- the chairman of IPA Chennai chapter	In this inauguration the chairman, vice chairman, Secretary Joint secretary and office bearers were nominated	-
3.	Society of Civil Engineers and American Society of Civil Engineers	National Level Technical Symposium "CIVICLAN 2K22"	18	182	-	Dr.Colonel P.Nallathambi Ph.D (Structural Engg.)/Principal Structural Consultant, Sakthi Consultancy Private Limited, Chennai	The students were given awareness about the application of civil engineering in power sectors and job opportunities. It enhanced the visibility of the department among B.Tech, students of other institution by conducting various technical and non-technical events.	-

4.	Society of Civil Engineers	Inauguration of "The Institution of Engineers – Students Chapter" on 30.06.2022	20	62	-	Dr. T. M. Gunaraja, FIE, Former President, Institution of Engineers (India).  Dr. D. Elango, FIE, Council Member & Chairman, IEI – Kanchipuram	Encouraged the students to apply for project funding, by highlighting the funds which are awarded for the best projects and best research proposals.	-
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### 17. MoUs Signed

S.No	Name of the Industry / Research organization / Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1.	Land Coordinates Technology, Chennai	Academic and Project Collaboration	23	05	2022	The students have opportunities for internships and research	Active







**MOU signed with Land Coordinates Technology, Chennai on 23.05.2022  
 (Mr. A. Selvam, General Manager, M/S. Land Coordinates Technology)**

**18. Extension Activity Conducted**

S.No	Type of extension activity	Details of the Participants			Details of the beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	Two days workshop on GIS Software”	2	70	-	Polytechnic students	06.05.2022-07.05.2022	To provide the basic knowledge and hands on experience in Quantum GIS (QGIS) software such as creation of thematic layers, spatial analysis, data conversion, GIS data querying etc

2.	Two days workshop on “STADD PRO”	2	10	-	Polytechnic students	19.04.2022-20.04.2022	To provide the basic knowledge and hands on experience on STAAD. Pro
3.	Two days workshop on “BIM SOFTWARE”	3	10	-	Polytechnic students	21.04.2022-22.04.2022	To provides the basic knowledge and hands on experience on BIM software. Students were given exposure on “Applications of BIM and VDC in modern day construction and job opportunities
4.	Two days workshop on :Soil Investigation and Site Exploration Techniques”	3	40	-	Polytechnic students	26.04.2022-27.04.2022	Helped the students learn the method, process and importance of soil investigation and also about the reinforcement detailing needed for structures.

### 19. Important Visitors

S.No	Name of the visitor	Affiliation Details	Details of visit (Date/duration & purpose)	Outcome
1.	Dr. Rana Pratap Singh	Dean, Academic Affairs, Professor, Bhabasaheb Bhimrao Ambedkar University, Lucknow, India	MoU & Research Collaboration	-
2.	Prof. Shakeel Ahmed	Consultant, School of Sciences, Maulana Azad National Urdu Univeristy, Hyderabad, India	MoU & Research Collaboration	MoU Signed

3.	Prof. Saneem Fatima	Dean, Academic Affairs, Maulana Azad National Urdu Univeristy, Hyderabad, India	MoU & Research Colloboration	MoU Signed
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**20. Any other academic relevant information**

- Dr. P. Vasanthi, Professor & Dean, Dr. M. S. Haji Sheik Mohammed, Professor & Dean (AA), Dr. J. Revathy, Professor, Dr. P. Gajalakshmi, Professor, Dr.K. Yogeswari, Professor & Ms. V. Roopa, Assistant Professor received research incentive award for sponsored projects and paper publications.

**21. Testing / Consultancy works & Amount generated**



**Visit to common sewage treatment plant at Maraimalai Nagar Municipality on 07.04.2022**

The department involved in consultancy activities like executing repair & rehabilitation works, material testing works, design and validation of STP, soil testing and material stability for various Government, Semi-Government and Private agencies. The amount generated through consultancy and testing in the academic year 2021-22 is Rs. 1, 40,000/- (Rupees one lakh forty thousand only)

## 22. Any other

### MOOC Courses:

- Dr. V.S. Priya Completed Municipal solid waste management NPTEL Courses on October 2021
- Mr. B. Kannadasan Completed City and Metropolitan Planning NPTEL Courses on August 2021.
- Mr. B. Kannadasan Completed Entrepreneur ship NPTEL Courses on October 2021.
- Mr. B. Kannadasan Completed Innovation, Business models and Entrepreneurship NPTEL Courses on October 2021.