THE - Impact Rankings 2026

6.5.1 Water Management Educational Opportunities

In our B.Tech & M.Tech curriculum, we offered university elective courses. Students are enrolled in NPTEL courses and equivalent credits are transferred to the students.

Courses Offered:

S.No	Course Code	Course Name
1	CHY18R4032	Environmental Chemistry
2	CHY17R103	Environmental Science
3	HOR18R163	Weed and Water Management in Horticultural Crops
4	HOR18R261	Soil, Water and plant Analysis
5	AGE18R260	Watershed Hydrology
6	AGE18R362	Groundwater, Wells and Pumps
7	AGE18R355	Soil and Water Conservation Engineering
8	AGE18R262	Sprinkler and Micro Irrigation Systems
9	AGE18R356	Watershed Planning and Management
10	AGE18R361	Water Harvesting and Soil Conservation Structures
11	AGE18R261	Irrigation Engineering
12	214BIT1106	Biological WasteWater Treatment
13	222BIT5105	Industrial Wastewater Treatment and Management

Water related course with NPTEL :

The following list of NPTEL courses offered and credit transferred

S.No	Name of the Course	No.of Students applied credit transfer
1	Rural Water Resources Management	37
2	Environment And Development	506
3	Wastewater Treatment And Recycling	107
4	Water and wastewater treatment	13
5	Water Quality Management Practices	29
6	Groundwater hydrology and management	2

Guest lecture/ Slogan competition

The Department of Civil Engineering, KARE has conducted awareness on water conservation through awareness programme to identify water wasting habits that need to change through students self evaluation on 12.04.2022.

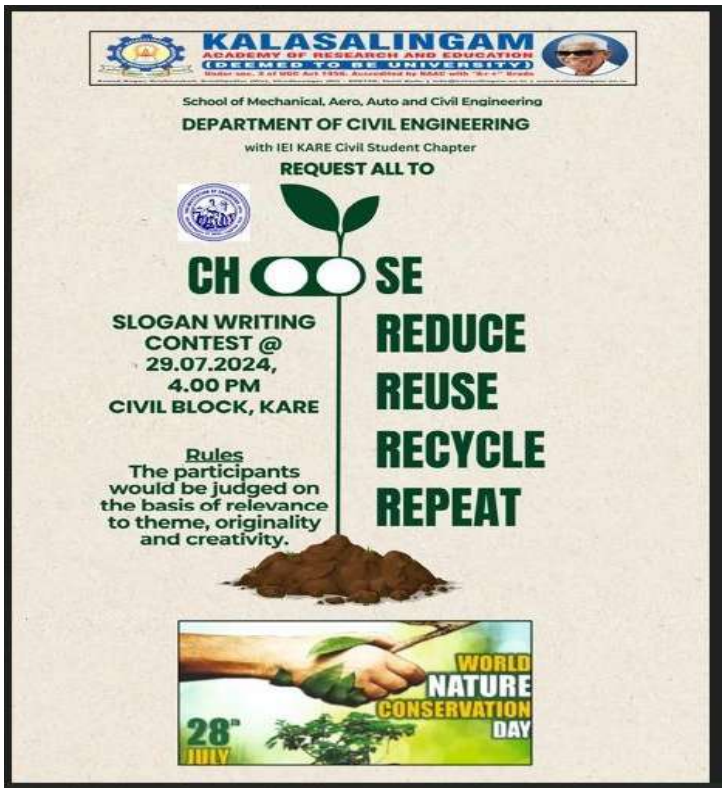

Figure:1 Students Activities on promoting conscious Water usage on campus

Figure:2 Guest Lecture on "Recharging Ground Water Resources

The Department of Civil Engineering, KARE has conducted a training programme to calculate the water footprints on their daily usage through a water footprint tool in Civil smart class. In this training the III year Civil and IV Civil students were attended.

EXperiential and SErvice Learning – EXSEL : Water Vertical

EXSEL links the teaching, learning and research activities of the university to the community to address the specific needs of the society. EXSEL operates in two phases namely experiential core *design-build* and experiential core *design-build-operate*. It's mandatory for all the students to engage in SDG/ community (NGO, Industries) associated with real time problem solving. Faculty members are clustered in chosen SDG themes and mentoring multi-disciplinary student teams.

In experiential core *design-build*, teams will understand the problem statement chosen, by the detailed study/ survey on existing product and by developing the conceptual design .

In experiential core *design-build-operate*, teams will develop detailed design of all the components used in the conceptual design and develop the product, which may be deployed to be operational to get first-hand feedback from the end user.

Digital notes: All the members in the team are expected to note their findings and learnings individually in the digital notes

Effective water management programs play a crucial role in supporting the Sustainable Development Goals (SDGs). Effective water management programmes contribute to multiple SDGs — both directly and indirectly. We are offering multiple project work through EXSEL programmes and Community service projects in the water vertical. Following and implementation of SDGs inside the campus improved the campus environment clean, health & safety for staff and students.

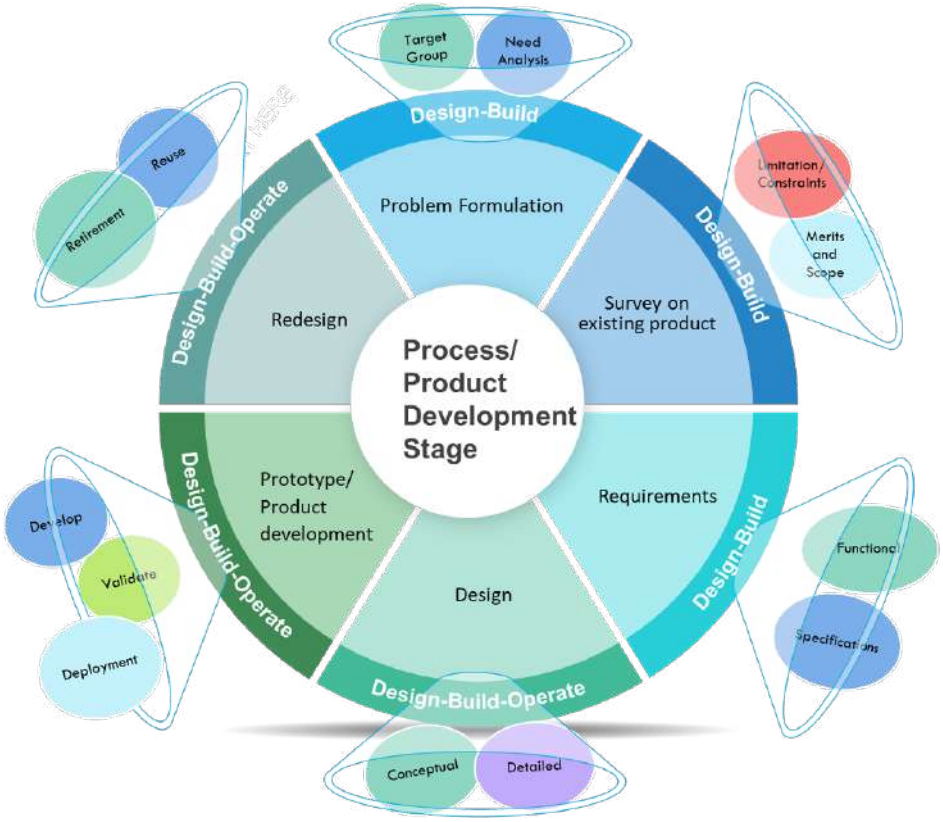

Figure:3 Schematic diagram for EXSEL

Figure:4 EXSEL Project Students under Water Vertical -Field Visit

Figure:5 Vintra Event

KALASALINGAM
ACADEMY OF RESEARCH AND EDUCATION
(DEEMED TO BE UNIVERSITY)
Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A++" Grade
Anand Nagar, Krishnankoil, Srivilliputtur (Via), Virudhunagar (Dt) - 626126, Tamil Nadu | info@kalasalingam.ac.in | www.kalasalingam.ac.in

215EXS2201 - WASTE WATER TREATMENT AND ANALYTICAL TECHNIQUES

Dr. R. KANNAN

S. No	Team No.	Registration No.	Name	Topic
1.	1	9920001015	KUBERALINGAM M	Utilization of eggshell waste products (Eggshell membrane) in various industries.
2.		9921008136	AKSHAYA E	
3.		9922001036	RAYAPUDI PRAKASH	
4.		9922008036	JAYANAVITHA S	
5.		9922008325	PRASANNA K M	
6.	2	9922008326	SELVAKANNAN J	IoT based treatment of waste water using blynk application.
7.		9922008378	S MANOJKUMAR	
8.		9922009047	SHAIK ASIF SAHEB	
9.		99230040201	KOPPALA VAMSI	
10.		99230040279	CHEENEPALLI MONISH KUMAR	
11.	3	99230040385	NUNNA RAM CHANDRA NAIDU	Extraction methodology of Serine hydrolase enzyme from sewage waste water
12.		99230040772	SODASANI MAHESH	
13.		99230040773	SODASANI MOHAN VENKATA KRISHNA	
14.		99230040788	TIPPAYAPALLI SAI BRAHMANI	
15.		99230040821	YARAMALA BHARGAV NAGARJUNA REDDY	
16.	4	99230041077	NAGURI MOHAMMED	AI based detection of waste water sludge degradation ratio.
17.		99230041110	ARUN SAI RAM L	
18.		99230041127	SHRIKARAN BALAMURGESHAN	
19.		99230041170	MAHALAKSHMI U	
20.		99230041180	KAMALAA SRI M	
21.	5	99230041233	VALLAPUNENI PRAVEEN KUMAR	Segregation of organic and inorganic waste material in sewage water using IoT method
22.		9923008058	MANOJ J	
23.		9923008059	MANOJ KUMAR M	
24.		9923008060	MARISAN C	
25.		9923008062	MOKESH S	
26.	6	9923008071	SARAN M	Segregation of organic and inorganic waste material in industrial waste water using IoT method
27.		9923008091	MANOJ KUMAR R	
28.		9923008096	R.MANIKANDAN	
29.		9923008122	AHSAN NAJEEBA M	
30.		9923008129	KARTHIKEYEN.S	
31.	7	9923008140	SURYA M	Cultivation of medicinal plant using the laundry waste water for nutritional source.
32.		9923008141	S.VISHNU	
33.		9923008145	VISHNU S	
34.		9923008150	PRAVEEN KUMAR V	
35.		9923008152	IKLASH AHAMED N	
36.	8	9923008166	MUTHU KANTHA YOGESH B	Detection of agricultural synthetic pesticides in waste water using IoT
37.		9824009009	PRAKASH R	
38.		9922030003	MOTHI BALA S	
39.		9923001069	K GOKULA VASHA	
40.		9923003009	JUGAL KISHORE	
41.	9	9923005083	GOLLA UMA GANESH	Detection of types of egg using ML techniques
42.		9923005267	VENNIMUTHU V	
43.		9923005310	NITHESVARAN S A	
44.		9923006015	SHAGAMBARI M	
45.		9923006017	SARANYA B	
46.	10	9923006018	MANIKANDAN V	AI based Detection of Agricultural harmful residues in waste water
47.		9923009013	AAKASHRAM S	

Wastewater Treatment and Nutrient Recovery_Dr J Kanimozhi

Team	Register No.	Name	Title
1	9923001039	MADHUVANTHE S R	Sustainable recovery of sodium and Phosphate salts from CIP wastewater in bioprocess industries.
	9923001040	MANIKANDAN S	
	9923011026	EMAD HUSSAIN M	
	99230041159	R.KISHORE MANI	
	9923008064	MUKESHPANDIAN S	
	9923008072	SHAHID KHAN S	
2	9923005006	BESTA ABHINAV KRISHNA	Utilization of Banana Peel as a Low-Cost Biosorbent for Mineral Recovery from Industrial Wastewater
	9923005021	KODURU NETHRA NANDU	
	9923005139	VADLA PAVAN	
	9923005144	VIPPERLA RAJESH	
	9923005167	PALASAMUDRAM NARASIMHA	
3	9923005026	KYATHAPPAGARI ROHITH	Zeolite based nutrient recovery from wastewater for agricultural purpose
	99230040775	SUGRIVA PAVAN VENKAT MADHAV VINAY	
	99230040781	TANNIRU ANIL KUMAR	
	99230040809	VISSAMPALLI VINAY	
	99230040925	DONGARA MATHEWS KUMAR	
4	99230040953	PANDI GURUNATH REDDY	Utilization of Reverse Osmosis (RO) Effluent for Algal Cultivation: Design and System Development
	9923005049	YAKKANTI SATYANARAYANA REDDY	
	9923005174	SARITHALA SADHIK	
	9923030012	CHITTOR SREEKANTH SUMATHI SUNDARR	
	99230041109	ARUN PRASATH R	
5	9923030010	MATI HARSHINI M	Integration of IoT Technology in Algal Bioreactors for Sustainable Nutrient Recovery from Wastewater
	9923030011	SWETHA S	
	99230040786	THURPINTI DHARANI	
	99230040813	VUMMANABOINA HARSHITHA	
	99230040891	MOKIREDDY RAJITHA	
	99230040435	THANEM PRANEETH	
6	99230040807	VEMPATI VISHNU VARDHAN REDDY	Nutrient recovery from wastewater using Microalgae
	99230040815	YADALAPURAPU PAVAN KUMAR	
	99230040879	MUNAGA LAKSHMI SIVA GANESH	
	99230040921	CHINTA SURYA KIRAN REDDY	
7	99230040728	PINJARI ABDUL RAHIMAN	Struvite Precipitation for Phosphorus Recovery from Meat Processing Industry Wastewater
	99230040756	SEELAM LAKSHMI ROHITH REDDY	
	99230040766	SHAIK NIZAMUDDIN	
	99230040796	VANAM GOUTHAM REDDY	
	99230041156	MUNDLA REDDY RAJESH	
8	99230040764	SHAIK LATHEEF	Sustainable Nutrient Recovery from Photochip Industry Wastewater
	99230040790	UMMADISITTI SRI MAHAVISHNU RAM	
	99230040872	KARLI TEJASREE	
	99230040889	UDATHA NIKITHA SAI	
	99230040924	DEVARANNAGARI DEEKSHITHA	
9	99230040789	UDYALA AKHIL	Design and Development of a Compost Maker Using Paper Mill Wastewater
	99230040877	MASIPEDDI NITHIN RAO	
	99230040904	TELLAPATI VENKATA KARTHIK	
	99230041018	VANAPALA AKASH VARMA	
	99230041065	Y ABHIRAM	
10	99230040969	GUNISETTY VENKATA GNANESWAR	IoT-Based Automated Jeevamrutham Tank for Nutrient Recovery from Cattle Farm Wastewater
	99230040975	KANIGIRI BHANU GANESH BABU	
	99230041010	YANALA RAMKUMAR	
	99230041019	KANA PRAVEEN KUMAR REDDY	
	99230041024	KONDA NAVEEN REDDY	
	99220041658	HARI MURUGAN S	