Monthly Information System (MIS)

March 2022

Key Highlights

- Bagged the QS I –Gauge E-Learning Excellence for Academic Digitization (E – Lead) Certificate from QS with a score of 144 out of 150

- A team of students of final year of Civil Engineering bagged the first prize in REIN4Z 2K2 oganised by Raghu Engineering College, Visakhapatnam for the best concrete mix design on March 31, 2022

- The result passing board meeting (V and VI) was completed for the Semester III of B. Tech. and MBA & M. Tech. on two different dates viz. March 14, and 30, 2022 respectively and the overall performance is included in the later part of this presentation

- Organized internal Smart India Hackathon (SIH 2022) for four days continuously from March 28, 2022, onwards and subsequently seven problem statements were updated in the portal of SIH 2022 and few more problems will be updated as the last date is extended

- Released the advertisement for various faculty positions on March 23, 2022, in The Hindu and received more than 600 applicants so far

- The department of Civil Engineering organized a roadshow and sensitization for the students of Civil Engineering on March 23, 2022, taking the support of Engineering Hub, Visakhapatnam
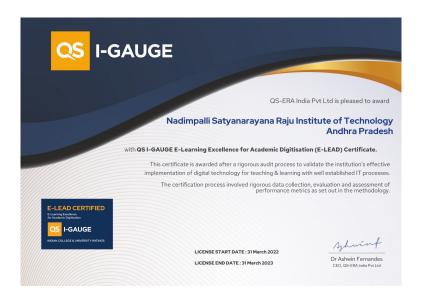
Key Highlights

- Organized a 7-Day NSS camp during March 21 – 27, 2022 in the nearby villages of Sontyam

- Celebrated International Women's Day on March 08, 2022, and Deputy Commandant Alaknanda Mallam, Coast Guard, Navy addressed the students and conducted series of seminars with Alumni Students (Girls) from March 04, 2022 onwards through online mode

- Signed an MoU with Tilicho Labs, Visakhapatnam on March 12, 2022, for students training with pre-placement offer for the students of ECE, EEE, and Computer Science and Engineering

- The ACM student chapter organized Codathon on March 12, 2022, and more than 100 students participated in the coding competition

- The SAE India organized a webinar on Battery Management System for the students of Mechanical Engineering taking the support of Ms. V. Amrutha, Engineering, TCS, Hyderabad on March 12, 2022

- Inaugurated the Recording Studio on March 11, 2022, and Dr. N. Prasada Raju complimented the team for the good work and expressed his joy to continue the good practices

Key Highlights

- Mr. Niranjan Kumar, Head Consultant at Heritage addressed the students of MBA on Corporate Expectations on March 05, 2022

- Celebrated and felicitated Employee Appreciation Day on March 04, 2022

- The external mock audit for NBA was carried out for the four programs of ECE, EEE, ME and CSE during March 02 – 03, 2022 and the following academicians were invited to perform the audit viz. Dr. Muruganantham, Registrar, IIIT, Kalyani, West Bengal, Prof. Pradeep and Dr. Jubilant (Saintgits Engineering College, Kerala) and Dr. Srinath (RVS Engineering College, Bengaluru)

- Resumed the CEMS training for the students of second year (Second Phase as per MoU) for the following courses viz. Embedded Systems, Induction Motors and Mechatronics for the students of ECE, EEE and ME in the form of one credit courses

- Organized series of sensitization session for the members of faculty on NBA during Match 2022 through online as well as offline

- The laboratory semester end examination was completed for the students of first year admitted during 2021 – 2022 and the SEE descriptive examination is scheduled during April 01 – 11, 2022

- The 14th Governing Body Meeting was organized on March 05, 2022

Key Highlights

- The NSS team organized other events and conducted awareness rallies for the some of the events like No Smoking Day

- The faculty ratification was completed during March 2022 for the members of faculty by JNTUK for the position of Assistant, Associate and Professor cadre

Quality Initiatives

- The Teaching Learning process, especially the assessment pattern pertaining to Skill Oriented Course is completely tightened with **"Lite and Tight" model, similar to Finland education system promoting active learning strategies using LMS**

- Introduction of industry experts for assessing the learning outcomes pertaining to the courses of Skill Oriented Category

- Received QS – iGauge E-Lead Certification

Academic Performance (Internal & External) 2021 - 2022

NSRIT

No.	Tests / Examinations	Target	Overall pass percentage			
			First Year (ODD)	**Second year**	**Third year**	**Fourth year**
1	Internal Assessment Test #1	85%	72%	-	-	-
2	Internal Assessment Test #2	85%	73%	-	-	-
3	End Semester Examinations	85%	ON	-	-	-

Academic Performance (Overall Status of B. Tech. III and IV Years)

NSRIT

No.	Program	Strength	All Pass	Percentage	With 1 Backlog	With 2 Backlog	With 3 Backlog	> 3
1	Civil Engineering	32	11	36.66	4	2	6	9
2	Computer Science & Engg.	120	36	30	18	15	7	44
3	Electronics & Communication Engg.	109	17	15.59	20	7	10	55
4	Electrical & Electronics Engg.	26	6	23.07	7	5	2	6
5	Mechanical Engineering	116	32	27.58	23	22	4	35
	Total	403	102	25.31	72	51	29	149
1	Civil Engineering	42	31	73.80	2	5	0	4
2	Computer Science & Engg.	125	77	61.60	13	11	5	19
3	Electronics & Communication Engg.	109	50	45.87	18	11	9	21
4	Electrical & Electronics Engg.	58	26	44.82	14	5	1	12
5	Mechanical Engineering	139	67	48.92	25	18	6	23
	Total	473	251	53.06	72	50	21	79

Academic Performance (Overall Status of B. Tech. II Year)

NSRIT

No.	Program	Strength	All Pass	Percentage	With 1 Backlog	With 2 Backlog	With 3 Backlog	> 3
1	Civil Engineering	34	24	70.58	4	2	0	4
2	Computer Science & Engg.	140	91	65.00	15	12	7	15
3	Electronics & Communication Engg.	33	14	42.42	9	3	1	6
4	Electrical & Electronics Engg.	35	19	54.28	11	3	0	2
5	Mechanical Engineering	140	89	63.57	20	6	5	20
6	CSE (AI and ML)	35	18	51.42	5	1	1	10
7	CSE (Data Science)	68	30	44.11	19	8	2	9
	Total	485	285	58.76	83	35	16	66

Overall Attendance Snapshot (Nov. 2021) – Academic Year 2021 – 2022 (Till March 2022)

NSRIT

No.	Program	Students Strength	2nd Year						3rd Year						4th Year					
			<65%		65%-75%		>75%		<65%		65%-75%		>75%		<65%		65%-75%		>75%	
			No	%	No.	%	No	%	No.	%	No	%	No.	%	No.	%	No.	%	No.	%
1	CE	103	5	15.1	6	18.1	22	66.6	22	78.5	0	0	6	21.43	34	80.9	4	9.5	4	9.5
2	CSE	377	20	15.1	26	19.6	86	65.1	45	37.5	34	28.3	41	34.1	84	67.2	18	14.4	23	18.4
3	ECE	355	17	12	28	20	95	68	40	37.7	27	25.5	39	36.8	8	7	33	30.2	68	62.4
4	EEE	118	5	14.7	7	20.6	22	64.7	2	7.69	6	23.07	18	69.23	15	25.8	16	27.5	27	46.5
5	ME	328	29	42.6	14	20.5	25	36.8	56	48.2	29	25.0	31	26.72	50	35.71	56	40	34	24.28
6	CSE (M)	31	2	6.4	4	12.9	25	80.6	-	-	-	-	-	-	-	-	-	-	-	-
7	CSE (DS)	31	1	3.0	6	19.3	24	77.4	-	-	-	-	-	-	-	-	-	-	-	-
	Total	1343	79	58.8	91	67.7	299	22.2	165	12.8	96	74.9	135	10.5	191	14.9	127	9.9	156	12.1

Faculty Participation in Professional Development Activities

NSRIT

No.	Name of the faculty	Online certification course	Faculty internship	Conference	Workshop	FDP		Total
						3 Day	5 day & above	
1	Civil Engineering	02	0	0	0	0	0	02
2	Computer Science and Engineering	0	0	0	0	0	0	00
3	Electronics and Communication Engineering (ECE)	02	0	0	0	03	0	05
4	Electrical and Electronics Engineering (EEE)	0	0	0	0	0	03	03
5	Mechanical Engineering	04	01	0	3	0	01	09
6	Master of Business Administration (MBA)	01	0	0	0	0	0	01
7	Freshman Engineering Department (i.e. BS & H)	0	0	02	0	02	0	04

All members of faculty have registered for NPTEL courses. And the status will be updated once it is done after review with one-to-one faculty

Faculty Development Programs Organized by the Department

No.	Name of the program	Sponsoring agency/Funding agencies, if any	Amount sanctioned (Rs. In Lakhs)	Duration of the program		Details of external resource persons	No. of participants
				From	To		
1	Master OBE	Self-supported	-	Sep. 18, 2021	Continuous	Internal Resources	All faculty
2	Faculty Grooming	Self-supported	-	Sep. 18, 2021	Continuous	Internal Resources	All faculty
3	Basics of Power Systems	Institute sponsored	Rs. 50, 000	Sep.19, 2021	Dec. 2021	Mr. U. V. V. Bhaskar, CEMS	1
4	Design of Electronic Circuits	Institute sponsored	Rs. 50, 000	Sep.19, 2021	Dec. 2021	Mr. K. Poorna Chandra, CEMS	2
5	NXCAD	Institute sponsored	Rs. 50, 000	Sep.19, 2021	Dec. 2021	Mr. S. Satish, CEMS	2
6	Faculty Grooming	Institute Supported	-	Nov. 06, 2021	Nov. 06, 2021	Internal Resources	All faculty

Student Training Programmes

No.	Name of the training	Mode of training (Online / Offline)	Year of study	No. of students	Details of external resources, if any	Date	
						From	To
1	Embedded Systems (80 Hours)	Offline	II	64	CEMS	05.03.2022	26.03.2022
2	Hands on practice on Induction motors (120 Hours)	Offline	II & III	60	CEMS	05.03.2022	26.03.2022
3	Concepts of Ship Design and NX CAD (80 Hours)	Offline	II	60	CEMS	05.03.2022	26.03.2022
4	TILICHO Labs Training Program	Offline	IV	2	TILICHO Labs	02.03.2022	30.03.2022
5	One Credit course on Data Analytics	Offline	II	102	BUDDICA Software India Pvt.Ltd	05.03.2022	19.03.2022
6	Wipro Training	Online	IV	01	Wipro IT Services	10.03.2022	30.03.2022

Research & Development (As on date remains same)

NSRIT

No.	Key Performance Indicators (KPIs)	Nos.	Faculty involved
1	Project proposal submitted	1	
2	Papers submitted to conference	2	2
3	Papers presented in conference		
4	Papers submitted to Scopus Indexed Journals	1	1
5	Papers accepted / published in Scopus Indexed Journals	01	01
6	Papers submitted to SCI Indexed Journals	4	1
7	Papers accepted / published in SCI Indexed Journals	3 + 1	3
8	No. of working paper series	14	4
9	No. of project proposals under preparation	4	3

1. Only Principal investigators (PI), first authors alone shall be considered under the column "Faculty Involved"
2. In case if the same faculty involved in multiple KPIs, it shall be mentioned under the column "Nos"
3. Working paper series are the papers that are being prepared by the members of faculty for submission
4. List of projects - Click here
5. List of papers published (Scopus and SCI) - Click here

Till March 2022
No. of Paper Publications: 09
Scopus: 05
SCI: 06
Scopus: 01
Conference: 1, Other 01

March 2022: 1
Scopus: 0
SCI: 1
Publons and Clasrivat: 01

Placement Snapshot

NSRIT

	Total Students Strength	Eligible Students	Job Offers	Single Offers	Percentage of Placement		CTC in Lakhs		
					Strength	Eligible	Minimum	Maximum	Average
Civil Engg.	42	38	15	11	26%	29%	1.8	1.8	1.8
EEE	59	48	82	44	75%	92%	2.5	3.7	3.5
Mechanical Engg.	143	96	158	108	76%	113%	1.8	3.7	3.4
ECE	110	80	109	63	57%	79%	2.5	5.6	3.7
CSE	126	102	161	84	66%	82%	2.5	6.0	4
Total	480	364	525	310	60%	85%	1.8	6 L	3.36

BACK

NSRIT

Project Proposals Submitted (No recent updates)

No.	Title of the Project	Date of submission	Funding Agency	Scheme	Grant Amount (Rs. In Lakhs)	PI and Co - PI
1	Improving Detection Capability of Ground-Penetrating Radar Using a Deep Convolutional Neural Network	06-03-2021	SERB	Core Research Grant	21.43	Dr. K. Ravi Kumar (ECE)
2	Non-Isothermal Step Rolling Cum Cold / Cryo Rolling of 7xxx Al-12Zn-3Mg-2.5Cu Alloy with addition of 0.5% SC and Its Structure-Property Relation	09-07-2021	DST (TPN / 65535)	NANO TECHNOL OGY	15.30	Dr. VV Ravi kumar (ME) (PI) Dr. K. Raghu Ram Mohan reddy (ME) (Co-PI)

Research Paper Publications

No.	Title of the Paper	Name of the Journal	Indexed (Scopus / SCI)				Vol. xx, No. yy, pp. zz – ff, year
			Q1	Q2	Q3	Q4	
1	Biochar from waste biomass as a biocatalyst for biodiesel production: an overview. **Dr. J. Raja Murugadoss**	Applied Nanoscience (2nd June 2021), Springer **(SCI)**		1			PP 12 Article No 1924
2	Effective removal of Remazol brilliant orange 3R using a biochar derived from Ulva reticulata. **Dr. G. Kalyani**	Energy Sources, Part A: Recovery, Utilization, and Environmental Effect (Taylor and Francis) (23rd June 2021) **(SCI)**		1			https://doi.org/10.1080/15567036.2021.1943070
3	Low power PII frequency plat form synthesizer architecture and research using dynamic CMOS VLSI technology [**Mr. K. Rajasekhar (ECE)**	Annals of RSCB **(June)**			1		Vol:25 issue 6
4	Water - Conventional and Novel Treatment Methods, Solar Driven Water Treatment (August 2021) **Dr. J. Raja Murugadoss**	Elsevier Book Chapter (SCI)			1		Published
5	Bidirectional Causal Analysis using Novel Coefficient of Causation **Mr. Ramesh Chandra (Civil Engineering)**	**Thomson and Reuters**	-	-	-	-	Published

Note: '1' refers to Scopus; '2' refers to SCI; '3' refers to ESCI. Q1…Q4 refers to the quartile where journal is placed at the time of publications.

March 2022 Institute MIS

Thank You