



MARRI LAXMAN REDDY
INSTITUTE OF TECHNOLOGY & MANAGEMENT



APRIL 2022

VOLUME-I

ZENITH

CIVIL ENGINEERING DEPARTMENT



CHAIRMAN MESSAGE



The pride of every student and staff would be in his/her college. A college may reach heights of glory but without materials like a college magazine, the outside world may not know of it. The role of a college magazine is therefore vital in promoting what an institution offers. It brings out into the open things hitherto unrevealed. It brings to light the names of the unsung heroes and their mighty deeds. I am happy that there is a dedicated team of staff and students who have brought out the magazine of our college. They have presented the stupendous achievements of Marri Laxman Reddy Institute of Technology & Management in the fields of academics, research, sports and extra-curricular activities, in a nice way. Dazzle represents the collective work of the team. I wish the magazine a grand success.

TREASURER MESSAGE



It is happiness unlimited to see Marri Laxman Reddy Institute of Technology & Management breaking barriers and moving forward confidently. The adage “Fortune favors the bold” is very true in the case of MLRITM. There is nothing... absolutely nothing that stops the MLRITM juggernaut from rolling forward, going on boldly from one project to another... leaving the spectators spell-bound. Everything that MLRITM touches turns into gold. All these things have been made possible by the extraordinary vision and the immaculate planning of our chairman, which when coupled with the skills of the staff have made the college scale new highs. This magazine brings out the notable achievements of MLRITM. I am sure that through these pages readers will get a bird’s eye view of MLRITM and its wonders.

PRINCIPAL MESSAGE



It is a great pleasure to see the creative expressions of students who had contributed to ZENITH. MLRITM has grown abundantly in the recent past. It continues to sustain its growth. People reading this magazine will realize the tremendous changes that are happening in the MLRITM campus. The magazine is presenting a glimpse of the growth of the institution on many fronts. The college has been simply unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of the college students and staff. The highly qualified and dedicated members of staff have always stood shoulder with the management and have carried out their duties with a level of commitment. This magazine has recorded achievements such as: conferences attended by staff members and students, competitions won by the hugely talented students, innovative projects carried out by students with the guidance of staff, among others. They stand as a witness to the monumental efforts taken by the management to make the college a centre of excellence in education and research. I wish the management, staff and students of the college success in their future endeavors.

HEAD MESSAGE



I am happy to learn that MLRITM College of Engineering is coming out with the half yearly college magazine. Efforts such as this will provide an opportunity for the staff and students to showcase their talents in technical writing, essay and poetry writings, sketching and drawings, among others. Such value additions are very much essential for the young technocrats, engineers and scientists, who the college produces, to demonstrate their ideas for a developed India. I sincerely appreciate and congratulate the Chairman, Principal, the editorial team and the entire management of the college for their unrelenting efforts in compiling this magazine.

STUDENT INTERNSHIP

S.NO	ADMIN NUMBER	NAME OF THE STUDENT	COMPANY NAME	DURATION
1	197Y1A0106	T.HARSHITHA	MOLDTEK	1 MONTH
2	197Y1A0111	N.MAHESH	VASAVI & GP Infra LLP	30 days
3	197Y1A0113	p.pavan kumar	INDRAPRASTHANA HOMES	5 WEEKS
4	197Y1A0114	M.POORNA SAI CHAND	INDRAPRASTHANA HOMES	1 MONTH
5	197Y1A0116	R.REVANTH	NCL INDUSTRIES LTD.	3 WEEKS
6	197Y1A0118	G.SHIVA	INDRAPRASTHANA HOMES	1 MONTH
7	197Y1A0119	M.SHIVA SHANAKAR	INDRAPRASTHANA HOMES	1 MONTH
8	197Y1A0120	M. SOHAN	PVN INFRA	1 MONTH
9	197Y1A0125	V.SUNIL	GOT IRRIGATION & CAD DEPT	2 MONTHS
10	197Y1A0127	SUWETHA	MOLDTEK	1 MONTH
11	197Y1A0135	V.DIWAKAR REDDY	GOT IRRIGATION & CAD DEPT	2 MONTHS
12	197Y1A0137	S.KRANTHI SAMPANGI	SAI SRINIVASA ROCK & EARTH MOVERS	1 MONTH
13	197Y1A0139	J.MANIDEEP	GOT PANCHATHYATHRAJ ENGINEERING DEPT.	10 DAYS
14	197Y1A0143	J.PRAVASH KUMAR	NCL INDUSTRIES LTD.	3 WEEKS
15	197Y1A0145	BOLLA SAHITHI	ENGINEERS ASSOCIATED PVT.LTD.	2 WEEKS
16	197Y1A0146	K.SAI GUNAKAR	M.V.K CONSTRUCTIONS	3 WEEKS
17	197Y1A0147	K. SAI KUMAR	PANCHYATHRAJ ENGINEERING SUB-DIVISION KAGAZNAGAR	2 WEEKS
18	197Y1A0149	SAI SUPRAJA	SRI VENKATESWARA CONSTRUCTIONS	15 DAYS
19	197Y1A0152	P.SATHISH CHANDRA	ENGINEERS ASSOCIATED PVT.LTD.	2 WEEKS
20	197Y1A0153	K.SATHISH	GOT IRRIGATION & CAD DEPT	2 MONTHS
21	197Y1A0154	P.SHANMUKHI	ENGINEERS ASSOCIATED PVT.LTD.	2 WEEKS
22	207Y5A0103	AFSHAN.MD	AMBA ASSOCIATES PLANNERS & DESIGNERS	3 WEEKS
23	207Y5A0104	N.ANKITHA	SAMRIDHI CONSTRUCTIONS	20 DAYS
24	207Y5A0106	P.CHINMAI	GOT ROADS & BUILDINGS DEPARTMENT	1 WEEK
25	207Y5A0107	N.CHANDU	SRI VENKATESWARA CONSTRUCTIONS	7 DAYS
26	207Y5A0109	D.DIVIJA	Md.QAISER CONTRACTOR	2 WEEKS
27	207Y5A0110	A.GOPI KRISHNA	GOT ROADS & BUILDINGS DEPARTMENT	1 WEEK
28	207Y5A0113	HRITHIK KUMAR.K	SRI VENKATESWARA CONSTRUCTIONS	3 WEEKS
29	207Y5A0120	J.KOUSHIK	SRI VENKATESWARA CONSTRUCTIONS	3 WEEKS
30	207Y5A0126	M.MEGHANA	SRI VENKATESWARA CONSTRUCTIONS	3 WEEKS
31	207Y5A0130	B.MEDHASWI	GOT IRRIGATION & CAD DEPT.	9 DAYS
32	207Y5A0131	VASANTH	ARAO LIFESPACES	2 WEEKS
33	207Y5A0133	N.NIKHIL	SRI VENKATESWARA CONSTRUCTIONS	7 DAYS
34	207Y5A0140	C.PRAVEEN KUMAR	MOLDTEK	1 MONTH
35	207Y5A0147	N.RAMYA	DEPUTY EXECUTIVE ENGINEER GRID-SUB DIVISION	15 DAYS
36	207Y5A0148	M.SWATHI	ANIL ELECTRICIAN & GOODS STORES	10 DAYS
37	207Y5A0149	B.SHYAM KUMAR	SRI VENKATESWARA CONSTRUCTIONS	15 DAYS
38	207Y5A0150	B.SRIJA	GOT ROADS & BUILDINGS DEPARTMENT	1 WEEK
39	207Y5A0151	K.SURESH	SRI VENKATESWARA CONSTRUCTIONS	15 DAYS
40	207Y5A0153	SAI VASRHINI	GOT MUNICIPAL COUNCIL KAGAZNAGAR	10 DAYS
41	207Y5A0158	L.SOWMYA REDDY	GOT IRRIGATION & CAD DEPT	10 DAYS
42	207Y5A0170	Md.YASEEN	7 HILLS BUILDERS & CONSTRUCTIONS	2 WEEKS
43	187Y1A0152	GOVARDHAN GOUD	RASTER	10 DAYS
44	187Y1A0163	BANDARU PAVAN	RASTER	10 DAYS
45	207Y1A0115	EMBA MANASA	INTERNSHALA	

STUDENT CERTIFICATION

S.No	Hall Ticket Number	NAME OF THE STUDENT	Course
1	207Y5A0101	K ABHILASH CHARY	Introduction to Project Management,
2	207Y5A0103	MD AFSHAN	Speak English Professionally: In Person Online & On the Phone
3	207Y5A0104	N ANKITHA	Buddhism and Modern Psychology
4	207Y5A0105	BHAVANI	Combined Loading & Failure Theories
5	207Y5A0106	PASUPULETI CHINMAI	Create Your First Python Program
6	207Y5A0107	N CHANDU	Programming essentials in c
7	207Y5A0108	AMBADI DEEPAK	Speak English Professionally: In Person, Online & On the Phone
8	207Y5A0109	DEGA DIVIJA	Speak English Professionally: In Person Online & On the Phone
9	207Y5A0110	GOPI KRISHNA	Advanced App Development in Android Capstone
10	207Y5A0113	KANDI HRITHIK KUMAR	Introduction to Project Management,
11	207Y5A0114	HARI BABU	Speak English Professionally: In Person Online & On the Phone
12	207Y5A0116	K JAGADEESH	Advanced App Development in Android Capstone
13	207Y5A0126	MEKALA MEGHANA	Speak English Professionally: In Person, Online & On the Phone
14	207Y5A0138	NANDINI. M	Write Professional Emails in English
15	207Y5A0149	SHYAM KUMAR .B	Autodesk Certified Professional: Civil 3D for Infrastructure Design Exam Prep
16	207Y5A0152	G SAI GOUD	Speak English Professionally: In Person, Online & On the Phone
	207Y1A0112	M JASHWANTH	B.V.R.I.T Promethean
17	207Y1A0118	NAVEEN CHOPPARI	Programming essentials in python
18	207Y1A0119	PIDUGU NAVEENA	Acmegrade internship certificate Programming essentials in c
19	207Y1A0122	DAMERA PAVAN KUMAR	Programming essentials in c
20	207Y1A0124	KARRI PRATHAP NAIDU	Acmegrade internship certificate
21	207Y1A0126	PADIGALA RAHUL	Programming essentials in c
22	207Y1A0127	RAHUL UTHIRAPTHY	Acmegrade internship certificate Programming essentials in python
23	207Y1A0128	KANUGULA RAMYA	Acmegrade internship certificate Programming essentials in c
24	207Y1A0130	RAVI TEJA REDDY CHEGURI	Programming essentials in python
25	207Y1A0131	SABITHA MANCHALA	Programming essentials in c
26	207Y1A0135	KONDA SAI NIKHIL	Acmegrade internship certificate
27	207Y1A0141	BHUKYA SUMAN	Programming essentials in c
28	207Y1A0143	SUMITH WADEKAR	Acmegrade internship certificate
29	207Y1A0145	M UDAY SRI SAI KIRAN	Acmegrade internship certificate
30	207Y1A047	MANCHALA VARSHITH	Acmegrade internship certificate
31	207Y1A0148	MOHAMMED WASEEM	Programming essentials in python
32	207Y1A0150	GENTELLI SANJANA	Consortium certificate participation
33	207Y1A0157	YAMINI VINEELA P	Acmegrade internship certificate
34	207Y1A0159	K MALLIKARJUN	Programming essentials in c
35	217Y5A0101	M KRISHNA MOHAN	Programming essentials in python
36	217Y5A0102	S PRANAYA	Programming essentials in python
37	217Y5A0103	N SAI DHIKEESTH	Programming essentials in c

STUDENT PLACEMENT

S.No	Name Of Company	No. Of Students Placed
1	Knr Constructions Ltd.	8
2	Anuhar Homes	5
3	Wipro	5
4	Anarock	4
5	Bhavya Constructions Pvt Ltd	4
6	Formonic Technologies Pvt Ltd	4
7	Techno Pains	4
8	Tycon Project Engineers	4
9	Aaro	3
10	Berlian Infra Developers	3
11	Cadsys India Ltd.	3
12	Oxygen Homes	3
13	Design Tribe Pvt Ltd	2
14	Jaidhar Infra Projects Pvt Ltd	2
15	Skylark Digi Solutions	2
16	Space Matrix	2
17	Tcs	2
18	Tulasi Bhagya Nagar	2
19	Virtucon	2
20	7hills Builders And Constructon	1
21	Accenture	1
22	Bedeck Woods Pvt Ltd.	1
23	Bhagya Nagar Infra Projects	1
4	Dream Projects Pvt Ltd.	1
25	Engineers Associates Pvt Ltd	1
26	Hra Deltacons Project Pvt Ltd.	1
27	Jaidhar Constructions	1
28	Lancohill Lts Technology Park Pvt Ltd	1
29	Parijatha Home And Developer Pvt Ltd	1
30	Rdc Concrete India Pvt Ltd	1
31	Robomatic	1
32	Robomatic Precon Pvt Ltd	1
33	Shabari Telecable Network Pvt Ltd	1
134	Terc	1
35	Team Tech Formwork Solutions	1
36	Thryve Digital Health Llp	1
37	Tulasi Infratech Pvt Ltd	1
38	Vrn Concrete Mix	1
Total Placements		83

STUDENT BEST PROJECTS

S.No	Project title	Name of student	Name of internal guide	Relevance to POs & PSO
1	Analysis and design of parking system for residential buildings	Naveen Goud, Mohammed Omer Shahzab	Mr.T.Jaya Krishna	PO-1,2,3,5,8,9,12
2	Study on Highway failures and their refurbishment	G.Nanda Kishore Reddy, N. Karun	DSVSMRK Chekravarty	PO-1,2,3,5,8,9,12
3	Soil stability improvement techniques	M. Nithin M.A.Imran	Dr.R.Gopi	PO-1,2,3,5,8,9,12
4	Assessment of lake water quality in Dundigal Mandal for Agriculture	P.Anvesh	Dr.V.Varalakshmi	PO-1,2,3,5,8,9,12
5	Stabilization of Soil using Lime	Madapathi Navnath Swamy	Dr.M.Saravanan	PO-1,2,3,5,8,9,12

STUDENT ACHEIVEMENTS

S.NO	ACTIVITY	COUNT
1	INTER COLLEGE FEST PARTICPATIONS AND WINNERS	32
2	NUMBER OF STUDENTS EXPOSURE TO INDUSTRIES THROUGH INTERNSHIPS	45
3	CERTIFICATION COURSES COMPLETED	37
4	NUMBEROF STUDENTS PLACED	84
5	NO OF STUDENTS PURSUING HIGHER EDUCATION	4

STUDENT SCOPUS PAPER PUBLICATIONS

S. No	Names of authors (as published)	Title	Journal Name	Month & Year of Publication	Vol. No., Issue No., Page No.
1	P. Santhosh Babu and K. Murali	Comparative analysis of G+25 structure with and without shear walls using ETABS	AIP Conference Proceedingsthis link is disabled,	Feb-22	2385, 100002
2	A.R. Krishnaraja, M. Harihanandh, S. Anandakumar	Mechanical performance of engineered cementitious composites developed with different modulus fibers	Cement Wapno Beton	Mar-21	26(6), 493-502
3	M. Saravanan, C. Aravindhnan, S. Ramakrishnan	Experimental Investigation of Geopolymer Concrete	AIP Conference Proceedings	January, 2022	2385, 100004-1-10
4	M. Saravanan, G. Bixapathi,	Investigation characteristics of M70 grade concrete with partial replacement of cement with micro silica, fly ash and M-Sand	AIP Conference Proceedings	January, 2022	2385, 100001-1-8
5	M.Harihanadh, Punna Karthik	Application of artificial intelligence in construction project management	AIP Conference Proceedings	January, 2022	2385, 100003

VISION OF THE DEPARTMENT

VISION:

The Civil Engineering department strives to impart quality education by extracting the innovative skills of students and to face the challenges in latest technological advancements and to serve the society.

MISSION OF THE DEPARTMENT

MISSION:

M-I Provide quality education and to motivate students towards professionalism.

M-II Address the advanced technologies in research and industrial issues.

PEO's

The Programme Educational Objectives (PEOs) that are formulated for the civil engineering programme are listed below:

PEO-I solving civil engineering problems in different circumstances

PEO-II Pursue higher education and research for professional development.

PEO-III Inculcate qualities of leadership for technology innovation and entrepreneurship

PROGRAM OUTCOMES (POs)

- 1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.*
- 2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.*
- 3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.*
- 4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.*
- 5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.*
- 6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.*
- 7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.*
- 8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.*
- 9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.*
- 10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.*
- 11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.*
- 12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.*

PROGRAMME SPECIFIC OUTCOMES

- ❖ **UNDERSTANDING:** Graduates will have ability to describe, analyze and solve problems using mathematical, scientific, and engineering knowledge.*
- ❖ **ANALYTICAL SKILLS:** Graduates will have an ability to plan, execute, maintain, manage, and rehabilitate civil engineering systems and processes.*
- ❖ **EXECUTIVE SKILLS:** Graduates will have an ability to interact and work effectively in multi disciplinary teams.*

