



**MADANAPALLE INSTITUTE OF  
TECHNOLOGY & SCIENCE**

(UGC-AUTONOMOUS INSTITUTION)

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NAAC Accredited with A+ Grade, NIRF India Rankings 2021 - Band: 201-250 (Engg.)  
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA

**Report on**

# **Industrial Visit to Check Dam leveling works at Chipili, Madanapalle**

**Organized by:**

**ASCE MITS STUDENT CHAPTER**  
**DEPARTMENT OF CIVIL ENGINEERING**

**ASCE MITS Student Chapter**

**Under the**

**Department of Civil Engineering**

**on**

**18<sup>th</sup> August 2023**

*Submitted by: Dr. Priyam Nath Bhowmik, Assistant Professor in the Department of Civil Engineering, Madanapalle Institute of Technology & Science (MITS).*



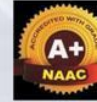
# MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Madanapalle-517325, Annamayya Dist., Andhra Pradesh

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## ASCE MITS STUDENT CHAPTER



INDUSTRIAL VISIT TO CHIPILI DAM  
UNDER ASCE STUDENT CHAPTER MITS  
18-08-2023

II AND III YEAR I SEMESTER STUDENTS  
DEPARTMENT OF CIVIL ENGINEERING



The Department of Civil Engineering, Madanapalle Institute of Technology and Science (MITS) Conducted a one-day site visit as a part of Industrial Visit under “**ASCE MITS Student Chapter**” on 18.08.2023. A total number of 65 students from 2<sup>nd</sup> year, 3<sup>rd</sup> year and Final year and Faculty Co-Ordinator Dr. Priyam Nath Bhowmik along with two faculty member Mr. B. Veeresh and Mrs. K. Anitha from Department of Civil Engineering participated in this program. All the participants assembled to the ground at 12:00 pm and started for the site at 12:15 pm. All the participants went to Chipili check dam located near Madanapalle. The session was handled by Y. Vijay Bhaskar, Assistant Executive Engineer, Madanapalle and N. Sampath, Senior Surveyor, NCC Projects. The initial work of the check dam was being carried out which included earthwork excavation, elevation level marking by DGPS (Differential Global Positioning System) markings as the part of surveying work. The visit commenced with the informative presentation on various surveying methods employed in Civil Engineering by Dr. Priyam Nath Bhowmik and later the session was carried forward by a through insight of the working of the DGPS by the senior surveyor. The main objective of this visit was to provide practical knowledge and understating of surveying techniques and their applications in real world scenarios. The Faculty Coordinator Dr. Priyam Nath Bhowmik sir addressed the student gathering regarding the importance of DGPS and the ease of working

with it. Surveying is the art of determining the relative positions on, beneath or above the surface of the ground. The planning and design of all civil engineering projects such as railways, highways, tunnelling, irrigation, dams, reservoirs, waterworks, massive buildings etc. During a survey, surveyors use various tools to do their job successfully and accurately, such as total stations, GPS receivers, prisms, 3D scanners, radio communicators, digital levels, dumpy level and surveying software etc. The measurement of land and the fixation of its boundaries cannot be done without surveying. Mr. N. Sampath sir and Mr. Y. Vijay Bhaskar also explained in depth regarding the DGPS. Differential Global Positioning System (DGPS) is now called as Differential Global Navigation Satellite System (DGNSS). It is an enhancement to Global Positioning System that provides improved location accuracy, from the 15-meter nominal GPS accuracy to about 10 cm in case of the best implementations. DGPS is used to identify the corrections in the positional readings from the GPS. It is also used to increase the accuracy in positioning during land surveys. The DGPS has two receivers namely the Reference Receiver and the Rover Receiver. Differential GPS working principle is: Distance from minimum 5 satellites determine position. Signal travel time from satellite to antenna determines the distance and thereby gives the elevation. Calculation by base station is difference between the specified coordinates of its location and those indicated by the satellites. It is essentially a system to provide positional corrections to GPS signals. DGPS uses a fixed, known position to adjust real time GPS signals to eliminate pseudo range errors. Later, students were given the opportunity to engage in hands-on demonstrations of the surveying equipment (DGPS). This industrial visit to Chipili provided Civil Engineering Students with a unique opportunity to bridge the gap between theoretical and practical application. This visit reinforced the significance of surveying in construction and infrastructure development and inspired students to explore innovative solution for future projects. Finally, the program was ended by 4:30 pm with a short vote of thanks to the Assistant Executive Engineer by the Faculty Co-Ordinator of the Program.



**Captured moments:**





**Newspaper Cuttings:**







**పరిశ్రమల పరిశీలనకు వెళుతున్న విద్యార్థులు**

## చిప్పిలి చెక్ డ్యామ్ ను సందర్శించిన 'మిట్స్' విద్యార్థులు

**ప్రజాశక్తి-కురబలకోట**

స్థానిక మిట్స్ ఇంజనీరింగ్ కళాశాలలో సివిల్ విభాగంలో బి.టెక్ చదువుతున్న విద్యార్థులు పరిశ్రమల పరిశీలనలో భాగంగా మదనపల్లె, చిప్పిలి సమీపంలోని చిప్పిలి చెక్ డ్యామ్ పనులను సందర్శించారు. అక్కడ పని తీరును ఎఇ వై.విజయభాస్కర్ ను అడిగి తెలుసుకున్నారు. అక్కడ జరుగుతున్న డిఫరెన్సెల్ జియో స్పెషియల్ పొజిషనింగ్ సిస్టమ్ ద్వారా భూమి స్థాయి హెచ్చు తగ్గులను ఎలా కనుగొనాలో విద్యార్థులకు తెలిపారు. ఈ పరికరం దాదాపుగా 32 శాటిలైట్లతో అనుసంధానమై పనిచేస్తుందని, దీని కచ్చితమైన ఫలితాలను పొందవచ్చని విద్యార్థులకు తెలిపారు. సివిల్ ఇంజనీరింగ్ విద్యార్థులకు ఈ టెక్నాలజీ ఎంతో ముఖ్యమని, విద్యార్థులు వీటిని సకాలంలో వీటి గురుంచి తెలుసుకోవాలని అన్నారు. ఎత్తైన కట్టడాలలో ఇటువంటి కచ్చితమైన ఫలితాలు ఎంతో ముఖ్యమని తెలిపారు. కార్యక్రమంలో విద్యార్థులు, అధ్యాపకులు డాక్టర్ ప్రేమనాథ్ బోమ్మిక్, అనిత, వీరేష్లు పాల్గొన్నారు.

## మిట్స్ కళాశాల విద్యార్థుల ఇండస్ట్రి విజిట్

- చిప్పిలి వద్ద గల చెక్ డ్యాం సందర్శన



**కురబలకోట, మేజర్ న్యూస్ :** మండలంలోని వద్ద గల మదనపల్లె ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ అండ్ సైన్స్ (మిట్స్ కళాశాల) నందు సివిల్ విభాగంలో బి.టెక్ చదువుతున్న విద్యార్థులు ఇండస్ట్రి విజిట్ లో భాగంగా శుక్రవారం మదనపల్లె, చిప్పిలి సమీపంలో గల చిప్పిలి చెక్ డాం పనులను సందర్శించారు. అక్కడ పని తీరును వై. విజయ భాస్కర్, అసిస్టెంట్ ఎక్సిక్యూటివ్ ఇంజనీర్, ఇరిగేషన్ డిపార్ట్మెంట్, మదనపల్లెను అడిగి తెలుసుకున్నారు. అక్కడ జరుగుతున్న డిఫరెన్సెల్ జియో స్పెషియల్ పాజిషనింగ్ సిస్టం (డీజీపీఎస్) ద్వారా భూమిస్థాయి యొక్క హెచ్చుతగ్గులను ఎలా కనుక్కోవాలో విద్యార్థులకు తెలియజేశారు. ఈ పరికరం దాదాపుగా 32 శాటిలైట్లతో అనుసంధానమై పనిచేస్తుందని, దీని కచ్చితమైన ఫలితాలను పొందవచ్చని విద్యార్థులకు తెలిపారు. సివిల్ ఇంజనీరింగ్ విద్యార్థులకు ఈ టెక్నాలజీ ఎంతో ముఖ్యమని, విద్యార్థులు వీటిని సకాలంలో వీటి గురించి తెలుసుకోవాలన్నారు. ఎత్తైన కట్టడాలలో ఇటువంటి కచ్చితమైన ఫలితాలు ఎంతో ముఖ్యమని, కట్టడంలో నాణ్యత ముఖ్యమని విద్యార్థులకు తెలియజేశారు. ఈ కార్యక్రమంలో విద్యార్థులు అధ్యాపకులు డాక్టర్ ప్రేమనాథ్ బోమ్మిక్, అనిత వీరేష్ పాల్గొన్నారు.

**List of attendance:**



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

II Year B.Tech (2022 Batch) Civil Engineering

Industrial Visit 18.08.2023

S.no	Roll No.	Name	Signature
1	22691A0101	G AJAY	
2	22691A0102	KYATHAPPA GARI AJAY KUMAR	K. @
3	22691A0103	MUTTANNA AKKULAPPA	
4	22691A0104	FAZAL S MD	
5	22691A0105	YANAMALA ASWINI	Y. Ashwini
6	22691A0106	SHAIK AZARUDDIN	
7	22691A0107	SARASAPALLI BASHEER AHAMMAD	
8	22691A0108	GOPIDINNI DHARANI	G. Dharani
9	22691A0109	D DILLI PRASAD	
10	22691A0110	BOLLU GNANA PRASANNA	Prasanna.B
11	22691A0111	ASHADI GOWTHAMI	A. Gowthami
12	22691A0112	BHEEMANNAGARI HARITHA	B. Haritha
13	22691A0114	SODUM JEEVANA	S. Jeevana
14	22691A0115	CHAPPALLI JUBER	
15	22691A0116	GUTTAPALEM KARTHIK	
16	22691A0117	KOMMI LAHARI	
17	22691A0118	MARREPPAGARI LIKHITHA	m. Likhitha
18	22691A0119	MEENUGULA MAHENDRA	
19	22691A0120	SYED MOHAMMED ADIL	
20	22691A0121	BATHULA NAGENDRA	
21	22691A0122	CHINTHIRLA NAVYA SREE	C. Navyasree
22	22691A0123	SAYYED NYAMATHULLA	S. Nyamathulla
23	22691A0124	MAHADEVAPALLI OBULREDDY	M. Obul Reddy
24	22691A0125	PERUGU PAVITHRA	
25	22691A0126	VEMULA PRANAY	
26	22691A0127	K RAJA REDDY	
27	22691A0128	B RANJITH KUMAR REDDY	
28	22691A0129	PERASANI REDDYPRASAD	
29	22691A0130	GUNDI SUHAS	
30	22691A0131	MANKAMUTHAKA THARUN GANESH	
31	22691A0132	GANGANARIPALLI THAYYUB	
32	22691A0133	PULAGANTI THEERTHAVASINI	P. Theerthavani
33	22691A0134	N VARSHINI	N. Varshini
34	22691A0136	VALASA VENKATESWARLU	
35	22691A0137	M VINOD KUMAR	
36	22691A0139	KANAGANI YOGANANDHA	K. Yoganandha



## MADANAPALLE INSTITUTE OF TECHNOLOGY &amp; SCIENCE, MADANAPALLE

Civil Engineering III Year-I Semester

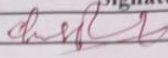
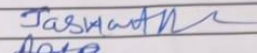
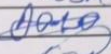
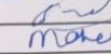
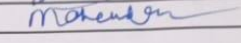
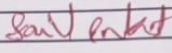
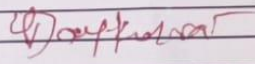

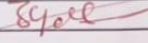
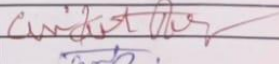
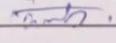

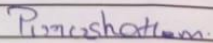
Industrial Visit 18.08.2023

S.No	Roll No	Name of the Candidate	Signature
1	20691A0102	SYED MOHAMMED AZEEM	
2	21691A0101	PATAN ABUBAKAR SIDDIQ KHAN	x P. Abubakar
3	21691A0103	BHARATAM ALAMVALI	x B. Alamu
4	21691A0104	CHILAMAKURU AMRUTHA VARSHINI	x C. Amrutha
5	21691A0105	N ANJALI	
6	21691A0106	K BABA FAKRUDDIN	x K. Babu
7	21691A0107	SATRAM CHANDU	x Chandu
8	21691A0108	DERANGULA CHARAN TEJA	
9	21691A0109	HAKIM DADAPEER	x H. Dadapeer
10	21691A0110	YANAMALA DINESH KUMAR REDDY	
11	21691A0111	PALAGIRI GANGA SAGAR	
12	21691A0112	PALEMKONDA GNANAMBIKA	x P. gnanambika
13	21691A0113	P HARI PRIYA	x P. haripriya
14	21691A0114	G HEMA LATHA	
15	21691A0115	G LAKSHMI PATHI	x G. lakshmi pathi
16	21691A0116	SARANGULA MADHU KUMAR	
17	21691A0119	ETHOTI NANDIVARDHAN REDDY	
18	21691A0121	SHAIK NAWAZ BASHA	x N. Nawaaz
19	21691A0122	CHINTHAPARTHI RAVI THEJA	x R. Ravi
20	21691A0123	A SAI BHAVYA SREE	x A. Sai Bhavya sree
21	21691A0124	V SAIKRUPA	
22	21691A0125	B SAITEJA	
23	21691A0126	PONTHALA SAI YASWANTH	x P. Sai Yaswanth
24	21691A0127	SYED SAIF ALI	x S. Saif Ali
25	21691A0128	T S SHAKEER ALI	
26	21691A0129	SHOYEB ANSARI	x Shoyeb Ansari
27	21691A0130	MOCHI SHREEJA	x M. Shreeja
28	21691A0131	BALE SRAVANI	
29	21691A0132	SAGINALA SUNIL KUMAR	
30	21691A0133	S SUNNY KUMAR	
31	21691A0134	KADIRI SUSHMITHA	
32	21691A0135	R SWAROOPA	x R. Swaroopa
33	21691A0136	M SYEDTHAHEER	x M. Syedthaheer
34	21691A0137	KOTHA TEJAVARDHAN REDDY	x K. Tejavardhan
35	21691A0138	B THULASI	
36	21691A0139	B UDAY KIRAN	x B. Thulasi
37	21691A0140	MANKAMUTAKA UDAY KIRAN	x M. Uday Kiran

38	21691A0141	R VAISHNAVI	✓ R. Vaishnavi
39	21691A0142	T VAMSI KRISHNA	✓ Vamsi
40	21691A0143	RANGANNAGARI VAMSI KUMAR	✓ Vamsi
41	21691A0144	PARVATHA VENKATA NAGI REDDY	
42	21691A0145	MADDURI VIJAYA	✓ Vijaya
43	21691A0146	A VYSHNAVI	✓ Vyshnavi
44	21691A0147	BUKKE YASWANTH NAIK	
45	22695A0101	Y ANUSHA	
46	22695A0102	GUDUR DEVIMANI	✓ G. Devamani
47	22695A0103	KOLAVALI GANGEESWAR	✓ K. Gangeeswar
48	22695A0104	BHUKYA GOVARDHAN NAIK	✓ G. Govardhan
49	22695A0105	SHAIK MOHAMMAD UMAR BASHA	
50	22695A0106	YERRABILLAM GARI NAVEENKUMAR	✓ Naveen
51	22695A0107	RAYACHOTI PREETHI	✓ R. Preethi
52	22695A0108	AREKANTI RAJU	✓ Raju
53	22695A0109	MADARAPU SIVAKUMAR	✓ M. Siva
54	22695A0110	KURUBA ARELLAPPAGARI THRILOKA	
55	22695A0111	GOLLA UDAYKIRAN	✓ Udaykiran
56	22695A0112	PUTTURU VENUGOPAL REDDY	
57	22695A0113	MAMILLAPALLI INDHUMATHI	✓ M. Indhumathi
58	22695A0114	GUTTA LAVANYA	



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE**  
**Civil Engineering IV Year-I Semester**

S.no	Roll No.	Name	Signature
1	19691A0108	ALLE CHARAN SAI REDDY	
2	19691A0153	CHALLA YESRUN	
3	20691A0101	ASHISH CHAUDHARY THARU	
4	20691A0103	MUTHYALA BHARADWAJ	
5	20691A0104	BATHALA GOVRDHAN	
6	20691A0105	PAMIDI JASWANTH REDDY	
7	20691A0106	ATMAKURU KARTHIK VARMA	
8	20691A0108	DODDIPALLI LOHITH SAI	
9	20691A0109	MEKALA MAHENDRA BABU	
10	20691A0110	MALE MANOGNA	
11	20691A0111	GOLLA NEHA	
12	20691A0112	MUTHYALA SAI KIRAN	
13	20691A0113	KOLLA SAI TEJA	
14	20691A0114	VELAGA SAI VENKAT	
15	20691A0115	SUNAKANTI SASI KUMARI	
16	20691A0117	BANALA SMARAN	
17	20691A0118	VEERABALLI SUKESH KUMAR	
18	20691A0119	MALLANGI SURYA PRAKASH REDDY	
19	20691A0120	AKULA UDAY KUMAR	
20	20691A0121	BUDIDHETI VIJAYA LAKSHMI	
21	20691A0122	M YESHWANTH REDDY	
22	21695A0101	SK ABDUL FAHAD	
23	21695A0102	PEERANSAGARI AREEF	
24	21695A0103	B ASIF	
25	21695A0104	TELLAMEKALA BALAGANGADHAR	
26	21695A0105	KADIRI BALAJI	
27	21695A0106	JAGILI BHARGAVI	
28	21695A0107	PALEM CHARAN MAHESH	
29	21695A0108	MUCHUMARRI DEVISREE	
30	21695A0109	KUMMARI DHARMA TEJA	
31	21695A0110	CHELLU GAYATHRI	
32	21695A0111	GADDETHU HARIVENDRA REDDY	
33	21695A0112	JYOTHI NANDEM	
34	21695A0113	MADYALA KIRAN	
35	21695A0114	GONDIPALLI KISHORE	
36	21695A0115	KONIGOLLA KOUSALYA	
37	21695A0116	KATAKAM VENKATALAKSHMAN ABHILASH	
38	21695A0117	GANGIREDDY MANIKANTA REDDY	
39	21695A0118	MOODE MOHAN NAIK	
40	21695A0119	B NAGASESHULU	
41	21695A0120	CHILAKAPATI NAGASHIVUDU	
42	21695A0121	SATHARLA NAVEEN KUMAR	
43	21695A0122	K PAVAN TEJA	
44	21695A0123	BESTHA PURUSHOTHAM	
45	21695A0124	MALLEPOGU RAJASEKHAR	
46	21695A0125	AKUMALLA RANJITH KUMAR	

47	21695A0126	BOGGU YASWANTH KRISHNA		
48	21695A0127	VEMULA SAI KUMAR		
49	21695A0128	E ABUBAKAR SIDDIQ		
50	21695A0129	BUKKE SAI VANI		
51	21695A0130	NAYAB SAYED ALTHAF		
52	21695A0131	H SHANWAZ		H. (Shanwaz)
53	21695A0132	THUMATI SHIVA SHANKAR		
54	21695A0133	CHINNAKOTLA SHOBHARANI		
55	21695A0134	TEGALAPALLI TEJANANDA REDDY		
56	21695A0135	KAMPALLI UDAYA KIRAN		<del>H. S. K.</del>
57	21695A0136	UHAPRIYA		
58	21695A0137	ANKIREDDYPALLI VARA SIVA KUMAR REDDY		
59	21695A0138	PULLATHOTA VENKATESH REDDY		
60	21695A0139	NUKANABOINA VIJAYA DAMODAR		
61	21695A0140	NAGARAJU GARI VISHNU PRATHAP		
62	21695A0141	K VYSHNAVI		<del>H. S. K.</del>