DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institute)

Approved by AICTE & Permanently affiliated to JNTU GV

Accredited by NAAC with 'A' Grade and Inclusion u/s 2(f) & 12(B) of UGC Act

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

www.diet.edu.in, 9963694444 E-mail: academics@diet.edu.in

CIRCULAR

Anakapalle

Dt: 03-02-2024

This is hereby informed to all that, Department of Electronics and Communication Engineering is conducting one week MATLAB programming hands on session for III and IV ECE students. All students are informed to utilize the opportunity to enhance your knowledge

Venue:lab 6

Timings: 9:00 am to 4:00 pm

Date: 5-02-2024 to 10-02-2024

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(*An Autonomous Institute*)

Approved by AICTE & Permanently affiliated to JNTU GV

Accredited by NAAC with 'A' Grade and Inclusion u/s 2(f) & 12(B) of UGC Act

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

www.diet.edu.in, 9963694444 E-mail: academics@diet.edu.in

Anakapalle

Dt: 01-02-2024

From,

The Head of the Department

Dadi Institute of Engineering & Technology.

Anakapalle

To,

The principal

Dadi Institute of Engineering & Technology.

Anakapalle

Sub: Request for permission for conducting one week MATLAB programming hands on session for III and IV ECE students

With due respect, here by stating that, I, on the behalf of Electronics & Communication Engineering Department request you to grand permission for conducting one week MATLAB programming hands on session for III and IV ECE students. Session is scheduled from 5-02-2024 to 10-02-2024 at Lab 6 from 9am to 4 pm with resource persons Dr.Anjanee Kumar, Dr. A Nalinee Kumari and Mr.K .S.N.V Someshwara Rao

We, therefore, hope that you would be kind enough to grand us permission.

Thanking you

Yours Sincerely,

P. Poorne

Dr.P.Poorna Priya

HoD ECE

Approved

01/02/24

Head of the Department

Electronics & Communication Engg

Dadi Institute of Engg & Tech

Report on One Week Hand's On Session On

MATLAB Programming

One week MATLAB workshop was arranged by Electronics and Communication Engineering department for III and IV year B.Tech students, from February 5th to 10th, at Lab 6 . The resource persons are Dr.Anjanee Kumar , Associate Prof, Dept of ECE, Dr.A.Nalinee Kumari, Assistant Professor , Dept. of ECE, Mr.K S N V Someshwara Rao, Assistant Professor Dept. of ECE.

Objective: The primary objective of conducting a one-week MATLAB workshop for students is to introduce them to the fundamentals and advanced features of MATLAB, enabling them to utilize the platform for problem-solving in various domains such as engineering, data science, machine learning, and scientific computing. The workshop aims to equip students with practical skills that they can apply in their academic projects, research, and future careers.

Date: 05-02-2024

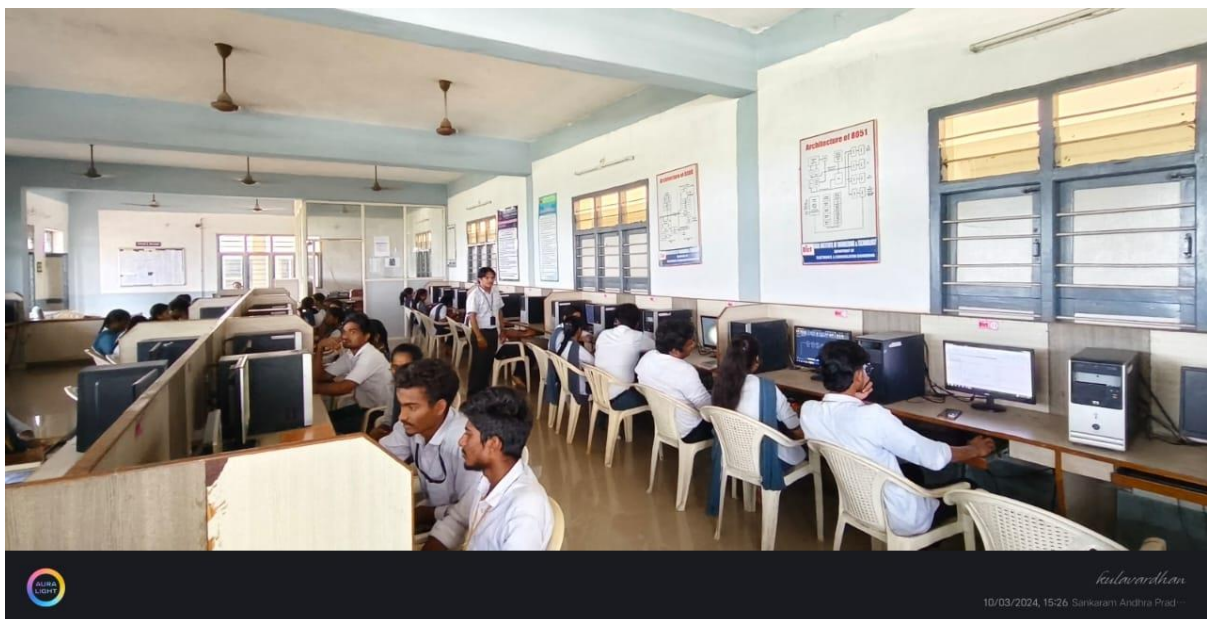Topic : Basic MATLAB Environment , Basic Commands in MATLAB, Matrices and Arrays

Resource Person: Dr.Anjanee Kumar

Day 1 of workshop, resource person introduced the MATLAB platform to students. He explained the importance of learning MATLAB programming in engineering and various computations simulations and algorithm which can be developed using MATLAB.

In the session students were given idea about

- Command Window: This is where you enter commands and see the output.

- Workspace: Displays the variables you've created during your session.

- Command History: Shows a log of all commands executed.

- Current Folder: Helps you navigate through files and folders.

- Editor: Allows you to write, edit, and run MATLAB scripts and functions.

After that student performed various mathematical operations, arrays and matrices problems in MATLAB.

Dr.Anjanee Kumar interacting with students

Date:06-02-2024

Topic : Plotting Functions, Flow Control, Script and Functions

Resource Person: Dr.Anjanee Kumar

On day 2 resource person explained about plotting functions which are the main source of analysing data, displaying results, and conveying information graphically. Students learnt about 2D plots , subplot and 3D plot. Later session continued with various flow control methods used in MATLAB like If-Else Statements, For loops, While loops, Switch case etc. Session concluded by Functions and scripts. Dr.Anjanee Kumar explained in detail about Scripts. He gave the clear-cut idea about functions and the difference between scripts and functions and how it is used in programming.

Date: 07-02-2024, 08-02-2024

Topic: Simulink

Resource Person: Mr.K.S.N.V Someshwara Rao

On day 3 and day 4 the topic of discussion was on Simulink. Resource person covered the topics

   1.What is Simulink

   2. Key Features of Simulink

   3. Building a Simulink Model

4. Simulation and Solver Settings

5. Analysis and Visualization Tools

6. Control System Design in Simulink

7. Real-Time Simulation and Hardware Integration

8. Advantages of Using Simulink

Resource person conveyed that Simulink provides a powerful platform for modelling, simulating, and analysing dynamic systems across various fields. Its graphical interface, extensive library, real-time capabilities, and integration with MATLAB make it an indispensable tool for engineers and researchers in industries ranging from automotive to aerospace, communications, and robotics.

Mr.K S N V Someshwara Rao giving session on simulink

Date:009-02-2024, 10-02-2024

Topic: Machine learning and Artificial intelligence
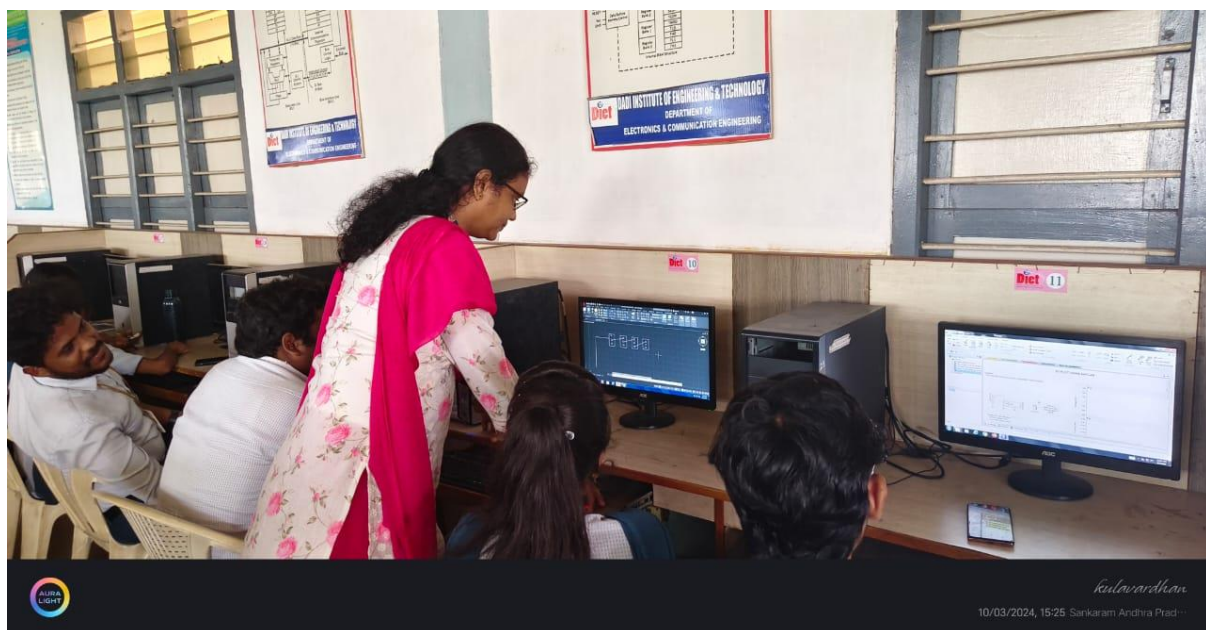
Resource Person: Dr. A Nalinee Kumari

Day 5 and 6 was on Machine learning and Artificial intelligence using MATLAB. Dr.A.Nalinee Kumari explained about using ML & AI algorithms in MATLAB. She said its an intuitive and powerful environment for developing Machine Learning (ML) and Artificial Intelligence (AI) algorithms. With its extensive set of toolboxes and features, MATLAB

enables users to design, implement, and analyze models efficiently, making it a suitable platform for AI and ML tasks such as data preprocessing, model training, deployment, and more.

Resource person covered the topics

1. Overview of Machine Learning and AI in MATLAB
2. Key MATLAB Toolboxes for Machine Learning and AI
3. Machine Learning Workflow in MATLAB
4. Deep Learning in MATLAB
5. Applications of Machine Learning and AI in MATLAB
6. AI Model Deployment

By concluding the session students got the idea how MATLAB offers a comprehensive environment for machine learning and AI development, covering the entire workflow from data preparation, model building, and training to deployment. Its user-friendly interface, robust toolboxes, and seamless integration with other systems make it an ideal platform for both beginners and advanced users working in AI and machine learning.

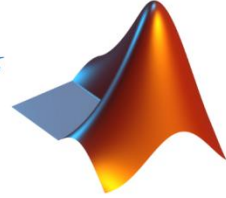Dr.A Nalinee Kumari interacting with students

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(AN AUTONOMOUS INSTITUTE)
(APPROVED BY A.I.C.T.E., NEW DELHI & PERMANENTLY AFFILIATED TO JNTU GV)

Department of Electronics & Communication Engineering

Certificate of Achievement

This is to certify that

ADARI YASHWANTHINI

Actively participated in one week MATLAB Hands-on session
conducted by Department of ECE from 05-02-2024 to 10-02-2024

HEAD OF DEPARTMENT

PRINCIPAL

Certificate for participants

Feedback of workshop

NAME WITH INITIALS	ROLL .NO:	1. How satisfied are you with the overall experience of the workshop?	3. Was the content presented in the workshop relevant to your needs and expectations?	4. How effective was the instructor/facilitator in explaining the material?	2. How would you rate the level of interaction and engagement during the workshop?	5. To what extent did the workshop meet your learning objectives?
BANDARU AKHILA	20U41A0411	Excellent	Yes	Excellent	excellent	excellent
DANNINA NAVYA	20U41A0424	Good	Yes	Good	Good	Good
KONATHALA DIVYASREE	20U41A0419	Good	Yes	Good	Good	Good
RANGU RAJASHEKAR	20U41A0431	Excellent	Yes	Good	Good	Good
VIYYAPU MOUNIKA SA	20U41A0437	Good	Yes	Good	Good	Good
TENTU PRATYUSHA	20U41A0451	Good	Yes	Good	Good	excellent
BUDDHA JYOTSNA	20U41A0470	Good	Yes	Good	Good	Good
BANDARU JAYANTH	21U45A0401	Good	Yes	Good	Good	Good
PEMMADA SYAMA	20U41A0473	Excellent	Yes	Excellent	excellent	excellent
DADI DALYA RAM	21U45A0402	Good	Yes	Good	Good	Good
GORLI POORNIMA	21U45A0408	Good	Yes	Good	Good	Good
PALLELA KALYAN	21U45A0421	Good	Yes	Good	Good	Good
GURRALA RUPASRI	21U41A0411	Good	Yes	Good	Good	Good
KOYINANA YASODA	21U41A0419	Good	No	Good	Good	Good
MALLA HARITHA	21U41A0423	Excellent	Yes	Excellent	excellent	Good

MALLA HARITHA	21U41A0423	Excellent	Yes	Excellent	excellent	Good
NAKKA VARSHINI	21U41A0428	Excellent	Yes	Good	excellent	Good
YADHAGIRI NAVYA	21U41A0440	Good	Yes	Good	Good	Good
PENTAKOTA AKANKSHA	21U41A0471	Good	Yes	Excellent	excellent	excellent
BUDDHA JOSHITHA	21U41A0484	Excellent	Yes	Excellent	excellent	excellent
GONTHINA KASI	22U45A0410	Good	Yes	Good	Good	Good
SHEIK JAFFIR	22U45A0418	Good	Yes	Good	Good	Good
SIRASAPALLI MANIKANTA	22U45A0419	Excellent	Yes	Good	Good	Good
VIJJAPU SRUJANA	22U45A0422	Excellent	Yes	Good	Good	excellent
VIYYAPU VAISHNAVI	22U45A0423	Good	Yes	Good	Good	Good

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

ANAKAPALLE

List of Participants

One Week Workshop on Hand's On Session On MATLAB Programming

S.No.	HT.No	Student Name	Signature
1	20U41A0401	ADARI YASHWANTHINI	yashwanthi
2	20U41A0402	BODDAPATI MEGHANA	B. Meghana
3	20U41A0403	MODE DEEPTHI	Deepthi
4	20U41A0405	MATHALA VIJAYA	Vijaya
5	20U41A0406	CHATTI DIVYA	Divya
6	20U41A0407	ALLU ROOPA DEVI	Roopadevi
7	20U41A0408	KANDREGULA SANJANA	Sanjana
8	20U41A0409	KARANAM AKHIL	K. Akhil
9	20U41A0411	BANDARU AKHILA	B. Akhila
10	20U41A0412	VARRE ROHITH	V. Rohith
11	20U41A0413	YERUKULA SRIRAM SAI KUMAR	Sai kumar
12	20U41A0415	PADALA PREETHI	Preethi
13	20U41A0416	APPANA PREM VASANTH KUMAR	vasanth kumar
14	20U41A0417	ALAJANGI BARGAVI	Bhargavi
15	20U41A0418	TAMARANA RAMA GANESH	Ramaganesh
16	20U41A0419	KONATHALA DIVYASREE	Divyasree
17	20U41A0420	KONCHADA REVANTH	Revanth
18	20U41A0421	ADARI KUSUMA	Kusuma
19	20U41A0422	SARAGADAM PARNITHA	Sunil kumar
20	20U41A0423	GANTA SUNIL KUMAR	parnitha
21	20U41A0424	DANNINA NAVYA	D. Navya
22	20U41A0425	BOTTA BHANU LOKESH	Lokesh
23	20U41A0426	MADETI NAVEENA	Naveena
24	20U41A0427	ADARI PRUDHVI	Prudhvi
25	20U41A0428	NEMALAPURI PRAVEEN KUMAR	saiteja
26	20U41A0429	AMPOLU SAI TEJA	Saiteja
27	20U41A0430	MAMIDI MOUNIKA	Mounika
28	20U41A0431	RANGU RAJASHEKAR	Rajasekhar
29	20U41A0432	BALAJI VEYYIDHALAMULA	B. Veyyidhalamula
30	20U41A0434	KARANAM AJITH KUMAR	Ajju
31	20U41A0435	SATYALA SAI SRUJANA	K. Ajith kumar
32	20U41A0436	PITHANI MURARI	P. Murari
33	20U41A0437	VIYYAPU MOUNIKA SAI	sai
34	20U41A0438	PATNALA DEEPAK	Deepak
35	20U41A0439	TULAGAPU VINAY	Vinay
36	20U41A0440	PALLA ROHIT	Rohit
37	20U41A0441	BESETTI NANI AVINASH RATNA	Nani Avinash Ratna
38	20U41A0442	GALLA VAHINI KRISHNA	vahini krishna
39	20U41A0444	DATTI SHANMUKHA NAIDU	Shanmukha naidu
40	20U41A0445	BODDEDA KUSUMA	Kusuma
41	20U41A0446	KARUKONDA SHIVA NAGA SAI ABHISHEK	Sai abhishek
42	20U41A0447	KONATHALA MANOJ BABU	Manoj Babu
43	20U41A0449	PYLA SIVA DURGA MANI TEJA	Mani Teja
44	20U41A0450	NANDANA SAI KUMAR GOUD	Sai kumar
45	20U41A0451	TENTU PRATYUSHA	T. Pratyusha
46	20U41A0452	LAKKOJU VEERENDRA SAI	L.V. Sai
47	20U41A0453	TATTIKOTA RAMYA	T. Ramya
48	20U41A0454	TALARI SANDHYA SRI	T. Sandhya sri

S.No.	HT.No	Student Name	Signature
49	20U41A0455	P. VENKATA SATYANARAYANA REDDY	
50	20U41A0456	BONDA MOHAN KIRAN	
51	20U41A0457	MD HASSAIN AKRAM	
52	20U41A0458	PUTREVU JAI DEEP	
53	20U41A0459	BANDARU JYOTSNA	
54	20U41A0461	PATINA SHANKAR YASHWANTH	
55	20U41A0463	MEDIBOYINA VAMSI	
56	20U41A0464	KOTAPADU SRINU	
57	20U41A0465	GANISETTI POORNA CHANDRA	
58	20U41A0467	JANAPATI SESHA SAI MONIKA	
59	20U41A0468	KOIDALA NIKIL	
60	20U41A0469	RAVI JAYANTHI	
61	20U41A0470	BUDDHA JYOTSNA	
62	20U41A0471	CHANDAKA KIRAN KUMAR	
63	20U41A0472	MARADUPUDI PRANUSHA	
64	20U41A0473	PEMMADA SYAMA	
65	20U41A0474	BODDEDA SYAMJAY MADHAV	
66	21U45A0401	BANDARU JAYANTH	
67	21U45A0402	DADI DALYA RAM	
68	21U45A0404	G. HEMANTH SATEESH KUMAR	
69	21U45A0405	BHEESETTI JHANSI	
70	21U45A0406	YELUSURI JANARDHAN	
71	21U45A0407	GORLI SYAMALA	
72	21U45A0408	GORLI POORNIMA	
73	21U45A0409	BAMMIDI AKHILA	
74	21U45A0410	DASARI GAYATRI	
75	21U45A0411	MEDAPATI AMBICA JAYASRI	
76	21U45A0412	POTHABATTULA KARTIK	
77	21U45A0413	KANDREGULA VAMSI	
78	21U45A0414	TALLURI VAMSI SAI RAMA KRISHNA	
79	21U45A0415	VUDI NAGENDRA	
80	21U45A0416	ARYASOMAYAJULA SOMA SAI SATISH	
81	21U45A0417	KOSURU SUMITHRA	
82	21U45A0418	VANKAYALA SIVA KRISHNA	
83	21U45A0419	EERE MANOHAR	
84	21U45A0420	NAVARA SHALINI	
85	21U45A0421	PALLELA KALYAN	
86	21U45A0422	YEDIRI HARISH KUMAR	
87	21U41A0403	BISETTI HIRANMAYEE	
88	20U41A0414	K SYAM SAMPATH KUMAR	
89	20U41A0433	A.DINESH	
90	21U41A0401	ANDE UMAMAHESWARA RAO	
91	21U41A0402	ARSI KEERTHIKA	
92	21U41A0404	BODDU KRISHNA SAI	
93	21U41A0405	BOMMISETTI LAVANYA	
94	21U41A0406	DAVALA ARUNA	
95	21U41A0407	DODDI AVINASH	
96	21U41A0409	ETTAMSETTI SAI KARTHIK	
97	21U41A0410	GANTA SATISH	
98	21U41A0411	GURRALA RUPASRI	
99	21U41A0412	JAJULA NAGASAI	
100	21U41A0413	JANAPAREDDI JAYALAKSHMI	
101	21U41A0414	JONNAKUTI VENKATA SIVA SRINIVAS	
102	21U41A0415	SURISETTI KUSUMA	

S.No.	HT.No	Student Name	Signature
103	21U41A0416	KARANAM HIMA BINDU	K. Himabindu
104	21U41A0417	KIRLA PRAVALLIKA	Pravallika
105	21U41A0418	KONATHALA VENKAT	Venkt
106	21U41A0419	KOYINANA YASODA	Yashoda
107	21U41A0420	K. VENKATA SIDDHU SIVA KUMAR	Siddhu
108	21U41A0421	MAJJI KULA VARDHAN	M.Kulavardhan
109	21U41A0422	MALLA ASWANI	Aswini
110	21U41A0423	MALLA HARITHA	M.Haritha
111	21U41A0424	MITTANA AMRUTHA VARSHINI	Varshini
112	21U41A0425	MOTURU CHANDU	M.Chandu
113	21U41A0427	NAGALA GURU SAI AVINASH	Avinash
114	21U41A0428	NAKKA VARSHINI	Varshini
115	21U41A0429	DHARMIREDDY AJAY	D. Ajay
116	21U41A0430	PATHALAM SRAVAN KUMAR	Sravan
117	21U41A0431	PEELA HEMANTH KUMAR	Hemanth Kumar
118	21U41A0433	PENUGUDURU KUMAR	Kumar
119	21U41A0434	PILLALA DURGA PRASAD	Prasad
120	21U41A0435	POLAMARASETTY PAVANI	Pavani
121	21U41A0436	POLIMERA SAIGANESH	P. Sai ganesh
122	21U41A0437	PULIGA VENKATESWARA RAO	Venkat
123	21U41A0438	RAJANA KUSUMA	R.Kusuma
124	21U41A0439	RAPETI GAYITRI	Gayitri
125	21U41A0440	YADHAGIRI NAVYA	Navya
126	21U41A0441	SURISETTY VENU MADHAVI	Venu
127	21U41A0442	U. VENKATA SAI SURYA SATHVIK	Sathvik
128	21U41A0443	VEGI LEELA	Leela
129	21U41A0444	KASIREDDY KAVYA	K. Kavya
130	21U41A0445	VIYYAPU SOMASEKHAR	Somasekhar
131	21U41A0446	AGATHAMUDI MANOJ KUMAR	M
132	21U41A0448	BHEESETTI RUCHITHA	B.Ruchitha
133	21U41A0449	BODDETI UMA MALLESWARI	B.Uma Malleswari
134	21U41A0450	C. NAGA VENKATA SIVA KIRAN	Siva Kiran
135	21U41A0451	CHIKKALA RUTHI SAMHITHA	Samhitha
136	21U41A0452	DADI BABITHA	Babitha
137	21U41A0453	DAILAPALLI ASHOK	Ashok
138	21U41A0454	DURGA BHARGAVI	D.Bhargavi
139	21U41A0456	GUDIVADA SHYAM PRASAD	G. Shyam
140	21U41A0458	KANDREGULA JYOSHNA	K. Jyoshna
141	21U41A0459	KUDUPUDI JYOTHI SINDHURA	K.Jyothi Sindhura
142	21U41A0460	KUNDRAPU TEJASWINI	K. Teja
143	21U41A0462	MADIMI BHAGYA SRI VENKATALAKSHMI	H.Bhagya
144	21U41A0463	MADIREDDI HARIKRISHNA	Hari Krishna
145	21U41A0465	MEDISETTI CHANDRASEKHAR	M. Chandra
146	21U41A0466	MOTURU REVATHI	M. Revathi
147	21U41A0467	MUTCHAKARLA GANESH	M. Ganesh
148	21U41A0468	NAMBARI POOJITHA	N. Pooji
149	21U41A0469	NUNNA SAI VISWA	N. Sai Viswa
150	21U41A0470	PEDIREDDY VENKATA SATYA	P. V. Satya
151	21U41A0471	PENTAKOTA AKANKSHA	P. Akanksha
152	21U41A0472	PONNADA TARUN KUMAR	P. Tarun Kumar
153	21U41A0473	ROHAN SARKAR	S. Rohan
154	21U41A0474	RONGALI CHARMILA	R.Charmila
155	21U41A0475	SARAGADAM DINESH	S. Dinesh
156	21U41A0476	MERAPALA RENUKA	M.Renuka

S.No.	HT.No	Student Name	Signature
157	21U41A0477	SESHAM UDAY KIRAN	
158	21U41A0478	ALLIMALLA AAKANKSHA	A. Aakanksha
159	21U41A0481	TAKASI HARIPRIYA	T. Haripriya
160	21U41A0482	V. LAXMI VENKATA RAMA DURGA	V.L.V.R. Durga
161	21U41A0483	VUDI BHARATH KUMAR	Bharat Kumar
162	21U41A0484	BUDDHA JOSHITHA	B. Joshitha
163	21U41A0485	PENTAKOTA LOKESH	Lokesh
164	22U45A0401	ADARI SIVANAYAKI	A. Sivanayaki
165	22U45A0402	ATMAKURI SANDHYA	A. Sandhya
166	22U45A0403	BARRE CHAITANYA	B. chaitanya
167	22U45A0405	BOKAM SWETHA	B. Swetha
168	22U45A0406	CHELLAPILLA LAKSHMI AMULYA	Ch. L. Amulya
169	22U45A0407	DHULI VASANTHA	D. Vasantha
170	22U45A0408	GAVARA LIKHITHA	Likitha
171	22U45A0409	GILAKAMASETTY SHYAM	Shyam
172	22U45A0410	GONTHINA KASI	G. Kasi
173	22U45A0411	JAYAVARAPU HIMASRI	J. Himasri
174	22U45A0412	KANDREGULA SUDHARANI	Sudharani
175	22U45A0413	LAKKOJU DHANUSHYA	Dhanu
176	22U45A0414	MALLEMPUDI LEELA SARANYA	M.L.Saranya
177	22U45A0415	MASINEEDI ANITHA	M. Anitha
178	22U45A0416	PALLELA HARI KRISHNA	Krishna
179	22U45A0417	PRADEEP KUMAR SHARMA	Pradeep Kumar Sharma
180	22U45A0418	SHEIK JAFFIR	Sheik Jaffir
181	22U45A0419	SIRASAPALLI MANIKANTA	S. Manikanta
182	22U45A0422	VIJJAPU SRUJANA	Srujana
183	22U45A0423	VIYYAPU VAISHNAVI	V Vaishnavi