

# G.PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY::KURNOOL (AUTONOMOUS) ACCREDITED BY NAAC 'A' GRADE OF UGC AND NBA OF AICTE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Department Circular - ADD-ON Course

DATE: 07-01-2019

The III year-II Semester and IV-year II Semester ECE Students are informed to enroll their names for the ADD-ON Course on "High Speed Electronics" with their respective class-in-charges on or before 14-01-2019. The course commences from 21<sup>st</sup> January and the duration of the course is 48 classes. The course is conducted from 4 pm to 5 pm regularly.

The bus facility is made available soon after the class work.

HOD-ECE

PRINCIPAL



# G. PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

**Department Of Electronics and Communication Engineering** 



## **ADD ON COURSE**

**Topic: HIGH SPEED ELECTRONICS** 

Target audience : III & IV Year Students

**Total Course Duration: 48 hrs** 

Selection Procedure: Registration on First

come First serve basis



Date of commencement of the course: 21 Jan,2019. End of Course: 18 May, 2019. Exam Date: 22 May,2019.





# G.PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY::KURNOOL (AUTONOMOUS)

## ACCREDITED BY NAAC 'A' GRADE OF UGC AND NBA OF AICTE

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

# HIGH SPEED ELECTRONICS SYLLABUS

# UNIT-I: Important parameters governing the high-speed performance of devices and circuits:

Transit time of charge carriers, junction capacitances, ON-resistances and their dependence on the device geometry and size, carrier mobility, doping concentration and temperature. Contact resistance and interconnection/interlayer capacitances in the Integrated Electronics Circuits.

# UNIT-II: Silicon based MOSFET and BJT circuits for high-speed operation and their limitations:

Emitter coupled Logic (ECL) and CMOS Logic circuits with scaled down devices. Silicon On Insulator (SOI) wafer preparation methods and SOI based devices and SOICMOS circuits for high-speed low power applications.

### UNIT-III: Materials for high-speed devices and circuits:

Merits of III –V binary and ternary compound semiconductors (GaAs, InP, InGaAs, AlGaAs ETC.), silicongermanium alloys and silicon carbide for high speed devices, as compared to silicon based devices. Brief outline of the crystal structure, dopants and electrical properties such as carrier mobility, velocity versus electric field characteristics of these materials. Material and device process technique with these III-V and IV – IV semiconductors.

## UNIT-IV: Metal semiconductor contacts and Metal Insulator Semiconductor and MOS devices:

Native oxides of Compound semiconductors for MOS devices and the interface state density related issues. Metal semiconductor contacts, Schottky barrier diode. Thermionic Emission model for current transport and current-voltage (I-V) characteristics. Effect of interface states and interfacial thin electric layer on the Schottky barrier height and the I-V characteristics.

#### UNIT-V: Metal semiconductor Field Effect Transistors (MESFETs):

Pinch off voltage and threshold voltage of MESFETs. D.C. characteristics and analysis of drain current. Velocity overshoot effects and the related advantages of GaAs, InP and GaN based devices for high speed operation. Sub threshold characteristics, short channel effects and the performance of scaled down devices.

#### REFERENCE BOOKS:

- 1) S.K Gandhi, "VLSI Fabrication Principles" Wiley, NY, 1994.
- 2) C.Y. Chang & F.Kat "GaAS High Speed Devices: "Physics, Technology &

Circuit Applicagtions", Wiley, NY 1994.

3) H.Beneking, "High speed semiconduuctor Devices: Circuit Aspects and Fundamental Behaviour" Chapman and Hall, London, 1994.

4) S.M Sze "High speed semiconduuctor Devices" Wiley, 1990.

5) Michael Shur, "GaAs Devices and Circuits" Plenum Press, NY, 1987

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# G.PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY::KURNOOL (AUTONOMOUS)

# ACCREDITED BY NAAC 'A' GRADE OF UGC AND NBA OF AICTE

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

# HIGH SPEED ELECTRONICS SCHEDULE

Name of the Instructor: Dr. T. Tirupal

S. No	Content	No. of Hours
UNIT-I:	Important parameters governing the high-speed performa	nce of devices
	and circuits	
1.	Transit time of charge carriers, junction capacitances	1
2.	ON-resistances and their dependence on the device geometry and size	1
3.	carrier mobility, doping concentration and temperature	1
4.	Contact resistance and interconnection	1
5.	interlayer capacitances in the Integrated Electronics Circuits.	1
UNIT-II:	Silicon based MOSFET and BJT circuits for high-speed oper	ation and their
	limitations	
6.	Emitter coupled Logic (ECL) and CMOS Logic circuits with scaled down devices	3
7.	Silicon On Insulator (SOI) wafer preparation methods	3
8.	SOI based devices	3
	SOICMOS circuits for high-speed low power	
9.	applications	3
	UNIT-III: Materials for high-speed devices and circuits	S
10.	Merits of III –V binary and ternary compound	
10.	semiconductors (GaAs, InP, InGaAs, AlGaAs ETC.)	3
11.	silicon-germanium alloys and silicon carbide for high	
11.	speed devices, as compared to silicon based devices	3
	Brief outline of the crystal structure, dopants and	
12.	electrical properties such as carrier mobility, velocity	2
	versus electric field characteristics of these materials	
13.	Material and device process technique with these III-V	2
,	and IV – IV semiconductors	
UNIT-IV:	Metal semiconductor contacts and Metal Insulator Semic	onductor and
	MOS devices	
14.	Native oxides of Compound semiconductors for MOS	3
	devices and the interface state density related issues	
15.	Metal semiconductor contacts, Schottky barrier diode	3
16.	Thermionic Emission model for current transport and	3
	current-voltage (I-V) characteristics	
	Effect of interface states and interfacial thin electric	
17.	layer on the Schottky barrier height and the I-V	3
	characteristics	





S. No	Content	No. of Hours
UNIT-V: N	Metal semiconductor Field Effect Transistors (MESFETs):	
18.	Pinch off voltage and threshold voltage of MESFETs.  D.C. characteristics and analysis of drain current	3
19.	Velocity overshoot effects and the related advantages of GaAs, InP and GaN based devices for high speed operation	3
20.	Sub threshold characteristics, short channel effects and the performance of scaled down devices	3
	Total Hours	48

Instructor Sign

HOD-ECE

# G PULLAIAH COLLEGE OF ENGINEERING & TECHONOLOGY (AT), KURNOOL

#### DEPARTMENT OF ECE

#### HIGH SPEED ELECTRONICS

		HIGH SPEED ELECTRONICS
S.NO.	ROLL NO.	
		IV ECE
1	16AT1A04B9	KASIREDDY SHIVANI
2	16AT1A04C0	RAJAMMURI SIREESHA
3	16AT1A04C1	P SIRISHA
4	16AT1A04C2	PUNYAMURTHY SIVA SAI KUMAR
5	16AT1A04C4	I SIVA SUBRAMANYAM
6	16AT1A04C5	GADIGA SOWJANYA
7	16AT1A04C6	C SOWMYA
8	16AT1A04C7	ELLURU SOWMYA
9	16AT1A04C8	U SOWMYA SRI
10	16AT1A04C9	NUKALA SRAVANI
11	16AT1A04D0	V SREE AMRUTHA
12	16AT1A04D1	V SREENATH REDDY
13	16AT1A04D2	G SRI LAKSHMI
14	16AT1A04D3	K SRILAKSHMI
15	16AT1A04D4	YARRAM SRILATHA
16	16AT1A04D5	DEVANURU SRINIVASULU
17	16AT1A04D6	THUPPUKONDA SRINIVASULU
18	16AT1A04D7	SAYA SUDHAKAR BABU
19	16AT1A04D8	DARA SUDHEER KUMAR
20	16AT1A04D9	S SUMA
21 1	16AT1A04E0	PESALA SUMANTH
. 22 1	16AT1A04E1	KANIKE SURYA
23 1	16AT1A04E2	EDIGA SWETHA
24 1	16AT1A04E3	VIRUPA SWETHA
25 1	16AT1A04E4	A TANMAI TEJ
26 1	16AT1A04E5	ELLURU TARUN KUMAR ·
27 1	L6AT1A04E6	SREERAMA TARUN
. 28 1	L6AT1A04E7	M TARUNANJAN
29 1	16AT1A04E8	M THIRUMALESH NAIDU
30 1	6AT1A04E9	SHAIK UMEY HONEY
31 1	6AT1A04F0	KALVA VAMSHI KRISHNA YADAV
32 1	6AT1A04F1	A VAMSHIDHAR
33 1	.6AT1A04F2	ALIVELI VAMSI KRISHNA
34 1	6AT1A04F3	EDIGA VAMSI KRISHNA GOUD
35 1	6AT1A04F4	KAPPALA VARSHINI
36 1	6AT1A04F6	NAKKA VASUNDHARA DEVI
37 1	6AT1A04F7	R VEENA MADHURI
38 1	6AT1A04F8	PODILI VEERENDRA SAI
39 1	6AT1A04F9	ANUMULA VENKATA NAGA SAI PAVANI
40 1	6AT1A04G0	ELAPAVANAM VENKATASAI PRANEETH
41 1	6AT1A04G2	K VENKATESWAR REDDY
42 1	6AT1A04G3	ETIKALA VIGNATHA
43 1	6AT1A04G4	YEKBOTE VIJAYSAI
	6AT1A04G6	CHAKALI VINODH

Kinnoch

46   16AT1A0467   JEETHURI VISHNU			
47   16AT1A04G9	4:	5 16AT1A04G7	JEETHURI VISHNU
48 16AT1A04H0 PERUMALA YAMINI 49 16AT1A04H1 ENAMETLA YASHASWINI 50 16AT1A04H2 M YATISHA 51 16AT1A04H2 M YATISHA 51 16AT1A04H3 NEELI YOGISWAR 52 16AT1A04H3 NEELI YOGISWAR 53 15AT1A0475 KRISHNAJADA PRABHAVATHI 53 15AT1A0475 M RAGHUVAMSI 54 15AT1A0481 M RAGHUVAMSI 55 17AT5A0401 MULE ARUNA 56 17AT5A0402 HOUDEKARI JAVAHARLAL 57 17AT5A0403 B JAYANTH KUMAR 58 17AT5A0404 KURUVA KRISHNAVENI 59 17AT5A0405 BYSANI MALLIKARJUNA 60 17AT5A0405 J MALLIKARJUNA 61 17AT5A0406 J MALLIKARJUNA 62 17AT5A0406 J MALLIKARJUNA 63 17AT5A0406 J MOGATHALI RAMU 64 17AT5A0409 MOGATHALI RAMU 64 17AT5A0410 YEDDULA RUBY SWAROOPA RANI 65 17AT5A0411 KALIMI SANDEEP REDDY 66 17AT5A0412 KOVURU SRAVAN KUMAR 67 17AT5A0414 THIRIVEEDI SUPRIYA 68 17AT5A0415 KALUVA VINAY KUMAR 68 17AT5A0415 KALUVA VINAY KUMAR 71 17AT1A0488 SHAIK NUSRATH NAAZ 72 17AT1A0488 SHAIK NUSRATH NAAZ 73 17AT1A0489 K PAVAN TEJA 74 17AT1A0490 AKULA PAVANKALYAN 75 17AT1A0491 KASHIGARI PAWAN 76 17AT1A0490 KARHIGARI PAWAN 77 17AT1A0491 KASHIGARI PAWAN 78 17AT1A0491 KASHIGARI PAWAN 79 17AT1A0492 CHILUKURU POOJITHA 76 17AT1A0495 MALLELA PREETHI YADAV 79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0498 KURUVA RAMADEVI 82 17AT1A0499 BOYINI RAMAKANTH REDDY 83 17AT1A0440 YASAM RAMASUCHARITHA 84 17AT1A0441 YEDLAPALILI RAMU 85 17AT1A0444 YATAGIRI TELUGU RUPA SREE 81 17AT1A0444 YATAGIRI TELUGU RUPA SREE 81 17AT1A0444 SALKARWAN PEDDA RANGA SWAMY 86 17AT1A0444 YATAGIRI TELUGU RUPA SREE 81 17AT1A0444 YATAGIRI TELUGU RUPA SREE 81 17AT1A0444 SALKARWAN SALCHARITHA 84 17AT1A0444 SALKARWAN SALCHARITHA 85 17AT1A0444 SALKARWAN SALCHARITHA 86 17AT1A0445 SALKAPURAM SALCHARITHA 87 17AT1A0444 YATAGIRI TELUGU RUPA SREE 87 17AT1A0445 SALKAPURAM SALCHARITHA 88 17AT1A0446 MADDELA SALCHARAN TEJA 88 17AT1A0448 NUTHANAPATI SALKRAN CHOWDARY 91 17AT1A0448 NUTHANAPATI SALKRAN CHOWDARY 91 17AT1A0449 SATHOORI SALKRISHNA GOUD 92 17AT1A0480 SAI ROHITH V	46	6 16AT1A04G8	SHAIK WASEEM BASHA
49   16AT1A04H1	4	7 16AT1A04G9	BOYA YALLARAJU
SO   16AT1A04H2	48	3 16AT1A04H0	PERUMALA YAMINI
STATISANDED   SERVINGER   STEFFY BADRI	49	9 16AT1A04H1	ENAMETLA YASHASWINI
52 16ATLA04H4 STEFFY BADRI 53 15ATLA0475 KRISHNAJADA PRABHAVATHI 54 15ATLA0481 M RAGHUVAMSI 55 17ATSA0401 MULE ARUNA 56 17ATSA0402 HOUDEKARI JAVAHARLAL 57 17ATSA0403 B JAYANTH KUMAR 58 17ATSA0404 KURUVA KRISHNAVENI 59 17ATSA0406 J MALLIKARJUNA 60 17ATSA0406 J MALLIKARJUNA 61 17ATSA0406 J MALLIKARJUNA 62 17ATSA0408 SURIVIGARI NAGA TEJESWARA REDDY 63 17ATSA0409 MOGATHALI RAMU 64 17ATSA0410 YEDDULA RUBY SWAROOPA RANI 65 17ATSA0411 KALIMI SANDEEP REDDY 66 17ATSA0412 KOVURU SRAVAN KUMAR 67 17ATSA0413 DASARI SUMANTH KUMAR 68 17ATSA0414 THIRIVEEDI SUPRIYA 69 17ATSA0415 KALUVA VINAY KUMAR 71 17ATLA0487 HARIBELKAMLEKAR NEHA 72 17ATLA0488 SHAIK NUSRATH NAAZ 72 17ATLA0489 K PAVAN TEJA 73 17ATLA0490 AKULA PAVANKALYAN 74 17ATLA0491 KASHIGARI PAWAN 75 17ATLA0491 KASHIGARI PAWAN 76 17ATLA0492 CHILUKURU POOJITHA 76 17ATLA0494 GURRAM PREETHI 77 17ATLA0495 MALLELA PREETHI YADAV 78 17ATLA0496 MURLELA PREETHI YADAV 79 17ATLA0497 REDDYPOGU RAKESH 80 17ATLA0497 REDDYPOGU RAKESH 81 17ATLA0498 KURUVA RAMABUVI 82 17ATLA0499 BOYINI RAMAKANTH REDDY 83 17ATLA0490 AKULA PARANKALYAN 80 17ATLA0490 KURUVA RAMABUVI 81 17ATLA0491 KASHIGARI PAWAN 81 17ATLA0495 MALLELA PREETHI YADAV 91 17ATLA0496 MURLELA PREETHI YADAV 91 17ATLA0497 REDDYPOGU RAKESH 81 17ATLA0499 BOYINI RAMAKANTH REDDY 83 17ATLA0490 AYASAM RAMASUCHARITHA 84 17ATLA04A1 YEDLAPALI RAMU 85 17ATLA04A1 YEDLAPALI RAMU 85 17ATLA04A1 YEDLAPALI RAMU 86 17ATLA04A1 YEDLAPALI RAMU 87 17ATLA04A1 YEDLAPALI RAMU 88 17ATLA04A1 YEDLAPALI RAMU 89 17ATLA04A1 YEDLAPALI RAMU 80 17ATLA04A1 YEDLAPALI RAMU 81 17ATLA04A1 YEDLAPALI RAMU 82 17ATLA04A1 YEDLAPALI RAMU 83 17ATLA04A1 YEDLAPALI RAMU 84 17ATLA04A1 YEDLAPALI RAMU 85 17ATLA04A1 YEDLAPALI RAMU 86 17ATLA04A1 YEDLAPALI RAMU 87 17ATLA04A1 YEDLAPALI RAMU 88 17ATLA04A1 YEDLAPALI RAMU 89 17ATLA04A1 YEDLAPALI RAMU 80 17ATLA04A1 YEDLAPALI RAMU 81 17ATLA04A1 YEDLAPALI RAMU 82 17ATLA04A1 YEDLAPALI RAMU 83 17ATLA04A1 YEDLAPALI RAMU 84 17ATLA04A1 YEDLAPALI RAMU 85 17ATLA04A1 YEDLAPALI RAMU 86 17ATLA04A1 YEDLAPALI RAMU 87 17ATLA04A1 YEDLAPALI RAMU 88 17ATLA04A0 S	50	16AT1A04H2	M YATISHA
53   15AT1A0475   KRISHNAJADA PRABHAVATHI	5	16AT1A04H3	NEELI YOGISWAR
S4   15AT1A0481   M RAGHUVAMSI	52	2 16AT1A04H4	STEFFY BADRI
S5   174T5A0401   MULE ARUNA	. 53	15AT1A0475	KRISHNAJADA PRABHAVATHI
S6   17AT5A0402	54	15AT1A0481	M RAGHUVAMSI
ST   174T5A0403	55	17AT5A0401	MULE ARUNA
S8   17AT5A0404   KURUVA KRISHNAVEN    S9   17AT5A0405   BYSANI MALLIKARJUNA     60   17AT5A0406   J MALLIKARJUNA     61   17AT5A0406   J MALLIKARJUNA     62   17AT5A0408   SURIVIGARI NAGA TEJESWARA REDDY     63   17AT5A0409   MOGATHALI RAMU     64   17AT5A0410   YEDDULA RUBY SWAROOPA RANI     65   17AT5A0411   KALIMI SANDEEP REDDY     66   17AT5A0412   KOVURU SRAVAN KUMAR     67   17AT5A0413   DASARI SUMANTH KUMAR     68   17AT5A0414   THIRIVEEDI SUPRIYA     69   17AT5A0415   KALUVA VINAY KUMAR     71   17AT1A0487   HARIBELKAMLEKAR NEHA     71   17AT1A0488   SHAIK NUSRATH NAAZ     72   17AT1A0489   K PAVAN TEJA     73   17AT1A0490   AKULA PAVANKALYAN     74   17AT1A0491   KASHIGARI PAWAN     75   17AT1A0492   CHILUKURU POOJITHA     76   17AT1A0493   K PRAVALLIKA     77   17AT1A0494   GURRAM PREETHI     78   17AT1A0496   JANGAM RAJAKUMAR     80   17AT1A0497   REDDYPOGU RAKESH     81   17AT1A0498   KURUVA RAMADEVI     82   17AT1A0404   YASAM RAMASUCHARITHA     84   17AT1A0404   YASAM RAMASUCHARITHA     85   17AT1A0404   YASAM RAMASUCHARITHA     86   17AT1A0404   YASAM RAMASUCHARITHA     87   17AT1A0404   YASAM RAMASUCHARITHA     88   17AT1A0404   YASAM RAMASUCHARITHA     89   17AT1A0404   YASAM RAMASUCHARITHA     80   17AT1A0404   YASAM RAMASUCHARITHA     81   17AT1A0404   YASAM RAMASUCHARITHA     82   17AT1A0404   YASAM RAMASUCHARITHA     83   17AT1A0404   YASAM RAMASUCHARITHA     84   17AT1A0404   YASAM RAMASUCHARITHA     85   17AT1A0404   YASAM RAMASUCHARITHA     86   17AT1A0406   MADDELA SAI CHARAN     88   17AT1A0407   L SAI JYOTHSNA     90   17AT1A0408   NUTHANAPATI SAI KIRAN CHOWDARY     91   17AT1A0409   SATHOORI SAI KRISHNA GOUD     92   17AT1A0400   SAI ROHITH V	56	17AT5A0402	HOUDEKARI JAVAHARLAL
SO   17ATSA0405   BYSANI MALLIKARJUNA	57	17AT5A0403	B JAYANTH KUMAR .
60 17ATSA0406	58	17AT5A0404	KURUVA KRISHNAVENI
61 17AT5A0407 SEMIKALA MURALIDHARA REDDY 62 17AT5A0408 SURIVIGARI NAGA TEJESWARA REDDY 63 17AT5A0409 MOGATHALI RAMU 64 17AT5A0401 YEDDULA RUBY SWAROOPA RANI 65 17AT5A0411 KALIMI SANDEEP REDDY 66 17AT5A0412 KOVURU SRAVAN KUMAR 67 17AT5A0413 DASARI SUMANTH KUMAR 68 17AT5A0414 THIRIVEEDI SUPRIYA 69 17AT5A0415 KALUVA VINAY KUMAR 70 17AT1A0487 HARIBELKAMLEKAR NEHA 71 17AT1A0488 SHAIK NUSRATH NAAZ 72 17AT1A0489 K PAVAN TEJA 73 17AT1A0490 AKULA PAVANKALYAN 74 17AT1A0491 KASHIGARI PAWAN 75 17AT1A0492 CHILUKURU POOJITHA 76 17AT1A0493 K PRAVALLIKA 77 17AT1A0494 GURRAM PREETHI 78 17AT1A0494 GURRAM PREETHI 78 17AT1A0495 MALLELA PREETHI YADAV 79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0499 BOYINI RAMAKANTH REDDY 82 17AT1A0490 YASAM RAMASUCHARITHA 84 17AT1A0401 YEDLAPALLI RAMU 85 17AT1A0402 YANNAM PEDDA RANGA SWAMY 86 17AT1A04A1 YEDLAPALLI RAMU 87 17AT1A04A2 YANNAM PEDDA RANGA SWAMY 88 17AT1A04A5 SALKAPURAM SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN 88 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 99 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 90 17AT1A04A9 SATHOORI SAI KRISHNA GOUD	. 59	17AT5A0405	BYSANI MALLIKARJUNA
62 17AT5A0408 SURIVIGARI NAGA TEJESWARA REDDY 63 17AT5A0409 MOGATHALI RAMU 64 17AT5A0410 YEDDULA RUBY SWAROOPA RANI 65 17AT5A0411 KALIMI SANDEEP REDDY 66 17AT5A0412 KOVURU SRAVAN KUMAR 67 17AT5A0413 DASARI SUMANTH KUMAR 68 17AT5A0414 THIRIVEEDI SUPRIYA 69 17AT5A0415 KALUVA VINAY KUMAR 70 17AT1A0487 HARIBELKAMLEKAR NEHA 71 17AT1A0488 SHAIK NUSRATH NAAZ 72 17AT1A0489 K PAVAN TEJA 73 17AT1A0490 AKULA PAVANKALYAN 74 17AT1A0491 KASHIGARI PAWAN 75 17AT1A0492 CHILUKURU POOJITHA 76 17AT1A0493 K PRAVALLIKA 77 17AT1A0494 GURRAM PREETHI 78 17AT1A0494 GURRAM PREETHI 78 17AT1A0495 MALLELA PREETHI YADAV 79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0499 BOYINI RAMAKANTH REDDY 82 17AT1A0409 BOYINI RAMAKANTH REDDY 83 17AT1A0401 YASAM RAMASUCHARITHA 84 17AT1A04A1 YEDLAPALLI RAMU 85 17AT1A04A2 YANNAM PEDDA RANGA SWAMY 86 17AT1A04A4 YATAGIRI TELUGU RUPA SREE 87 17AT1A04A5 SALKAPURAM SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN 88 17AT1A04A7 L SAI JYOTHSNA 90 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	60	17AT5A0406	J MALLIKARJUNA
63 17AT5A0409 MOGATHALI RAMU 64 17AT5A0410 YEDDULA RUBY SWAROOPA RANI 65 17AT5A0411 KALIMI SANDEEP REDDY 66 17AT5A0412 KOVURU SRAVAN KUMAR 67 17AT5A0413 DASARI SUMANTH KUMAR 68 17AT5A0414 THIRIVEEDI SUPRIYA 69 17AT5A0415 KALUVA VINAY KUMAR  70 17AT1A0487 HARIBELKAMLEKAR NEHA 71 17AT1A0488 SHAIK NUSRATH NAAZ 72 17AT1A0498 K PAVAN TEJA 73 17AT1A0490 AKULA PAVANKALYAN 74 17AT1A0491 KASHIGARI PAWAN 75 17AT1A0492 CHILUKURU POOJITHA 76 17AT1A0494 GURRAM PREETHI 77 17AT1A0495 MALLELA PREETHI YADAV 79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0498 KURUVA RAMADEVI 82 17AT1A0499 BOYINI RAMAKANTH REDDY 83 17AT1A0490 BOYINI RAMAKANTH REDDY 84 17AT1A0491 YASAM RAMAKANTH REDDY 85 17AT1A0440 YASAM RAMAKANTH REDDY 86 17AT1A0441 YEDLAPALLI RAMU 87 17AT1A0442 YANNAM PEDDA RANGA SWAMY 86 17AT1A04A1 YEDLAPALLI RAMU 87 17AT1A04A2 YANNAM PEDDA RANGA SWAMY 88 17AT1A04A4 YATAGIRI TELUGU RUPA SREE 89 17AT1A04A6 MADDELA SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN 89 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	61	17AT5A0407	SEMIKALA MURALIDHARA REDDY
64 17AT5A0410 YEDDULA RUBY SWAROOPA RANI 65 17AT5A0411 KALIMI SANDEEP REDDY 66 17AT5A0412 KOVURU SRAVAN KUMAR 67 17AT5A0413 DASARI SUMANTH KUMAR 68 17AT5A0414 THIRIVEEDI SUPRIYA 69 17AT5A0415 KALUVA VINAY KUMAR  TILECE 70 17AT1A0487 HARIBELKAMLEKAR NEHA 71 17AT1A0488 SHAIK NUSRATH NAAZ 72 17AT1A0489 K PAVAN TEJA 73 17AT1A0490 AKULA PAVANKALYAN 74 17AT1A0491 KASHIGARI PAWAN 75 17AT1A0492 CHILUKURU POOJITHA 76 17AT1A0493 K PRAVALLIKA 77 17AT1A0494 GURRAM PREETHI 78 17AT1A0495 MALLELA PREETHI YADAV 79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0498 KURUVA RAMADEVI 82 17AT1A0499 BOYINI RAMAKANTH REDDY 83 17AT1A0490 YASAM RAMASUCHARITHA 84 17AT1A04A0 YASAM RAMASUCHARITHA 85 17AT1A04A1 YEDLAPALLI RAMU 85 17AT1A04A2 YANNAM PEDDA RANGA SWAMY 86 17AT1A04A4 YATAGIRI TELUGU RUPA SREE 87 17AT1A04A5 SALKAPURAM SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN 88 17AT1A04A7 L SAI JYOTHSNA 90 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04A9 SAI ROHITH V	62	17AT5A0408	SURIVIGARI NAGA TEJESWARA REDDY
65 17AT5A0411 KALIMI SANDEEP REDDY 66 17AT5A0412 KOVURU SRAVAN KUMAR 67 17AT5A0413 DASARI SUMANTH KUMAR 68 17AT5A0414 THIRIVEEDI SUPRIYA 69 17AT5A0415 KALUVA VINAY KUMAR  TILECE 70 17AT1A0487 HARIBELKAMLEKAR NEHA 71 17AT1A0488 SHAIK NUSRATH NAAZ 72 17AT1A0489 K PAVAN TEJA 73 17AT1A0490 AKULA PAVANKALYAN 74 17AT1A0491 KASHIGARI PAWAN 75 17AT1A0492 CHILUKURU POOJITHA 76 17AT1A0493 K PRAVALLIKA 77 17AT1A0494 GURRAM PREETHI 78 17AT1A0495 MALLELA PREETHI YADAV 79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0498 KURUVA RAMADEVI 82 17AT1A0499 BOYINI RAMAKANTH REDDY 83 17AT1A0440 YASAM RAMASUCHARITHA 84 17AT1A04A1 YEDLAPALLI RAMU 85 17AT1A04A2 YANNAM PEDDA RANGA SWAMY 86 17AT1A04A4 YATAGIRI TELUGU RUPA SREE 87 17AT1A04A5 SALKAPURAM SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN TEJA 89 17AT1A04A7 L SAI JYOTHSNA 90 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04A9 SAI ROHITH V	63	17AT5A0409	MOGATHALI RAMU
66 17AT5A0412 KOVURU SRAVAN KUMAR 67 17AT5A0413 DASARI SUMANTH KUMAR 68 17AT5A0414 THIRIVEEDI SUPRIYA 69 17AT5A0415 KALUVA VINAY KUMAR  TILECE 70 17AT1A0487 HARIBELKAMLEKAR NEHA 71 17AT1A0488 SHAIK NUSRATH NAAZ 72 17AT1A0489 K PAVAN TEJA 73 17AT1A0490 AKULA PAVANKALYAN 74 17AT1A0491 KASHIGARI PAWAN 75 17AT1A0492 CHILUKURU POOJITHA 76 17AT1A0493 K PRAVALLIKA 77 17AT1A0494 GURRAM PREETHI 78 17AT1A0495 MALLELA PREETHI YADAV 79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0498 KURUVA RAMADEVI 82 17AT1A0499 BOYINI RAMAKANTH REDDY 83 17AT1A0440 YASAM RAMASUCHARITHA 84 17AT1A04A1 YEDLAPALLI RAMU 85 17AT1A04A2 YANNAM PEDDA RANGA SWAMY 86 17AT1A04A4 YATAGIRI TELUGU RUPA SREE 87 17AT1A04A5 SALKAPURAM SAI CHARAN TEJA 88 17AT1A04A6 MADDELA SAI CHARAN TEJA 89 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	64	17AT5A0410	YEDDULA RUBY SWAROOPA RANI
67 17AT5A0413 DASARI SUMANTH KUMAR 68 17AT5A0414 THIRIVEEDI SUPRIYA 69 17AT5A0415 KALUVA VINAY KUMAR  III ECE 70 17AT1A0487 HARIBELKAMLEKAR NEHA 71 17AT1A0488 SHAIK NUSRATH NAAZ 72 17AT1A0489 K PAVAN TEJA 73 17AT1A0490 AKULA PAVANKALYAN 74 17AT1A0491 KASHIGARI PAWAN 75 17AT1A0492 CHILUKURU POOJITHA 76 17AT1A0493 K PRAVALLIKA 77 17AT1A0494 GURRAM PREETHI 78 17AT1A0495 MALLELA PREETHI YADAV 79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0498 KURUVA RAMADEVI 82 17AT1A0499 BOYINI RAMAKANTH REDDY 83 17AT1A0400 YASAM RAMASUCHARITHA 84 17AT1A04A1 YEDLAPALLI RAMU 85 17AT1A04A2 YANNAM PEDDA RANGA SWAMY 86 17AT1A04A4 YATAGIRI TELUGU RUPA SREE 87 17AT1A04A5 SALKAPURAM SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN 88 17AT1A04A7 L SAI JYOTHSNA 90 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	65	17AT5A0411	KALIMI SANDEEP REDDY
68 17AT5A0414 THIRIVEEDI SUPRIYA 69 17AT5A0415 KALUVA VINAY KUMAR    ILECE	66	17AT5A0412	KOVURU SRAVAN KUMAR
17AT1A0487	67	17AT5A0413	DASARI SUMANTH KUMAR
TAT1A0487	68	17AT5A0414	THIRIVEEDI SUPRIYA
70         17AT1A0487         HARIBELKAMLEKAR NEHA           71         17AT1A0488         SHAIK NUSRATH NAAZ           72         17AT1A0489         K PAVAN TEJA           73         17AT1A0490         AKULA PAVANKALYAN           74         17AT1A0491         KASHIGARI PAWAN           75         17AT1A0492         CHILUKURU POOJITHA           76         17AT1A0493         K PRAVALLIKA           77         17AT1A0494         GURRAM PREETHI           78         17AT1A0495         MALLELA PREETHI YADAV           79         17AT1A0496         JANGAM RAJAKUMAR           80         17AT1A0497         REDDYPOGU RAKESH           81         17AT1A0498         KURUVA RAMADEVI           82         17AT1A0499         BOYINI RAMAKANTH REDDY           83         17AT1A04A0         YASAM RAMASUCHARITHA           84         17AT1A04A1         YEDLAPALLI RAMU           85         17AT1A04A2         YANNAM PEDDA RANGA SWAMY           86         17AT1A04A4         YATAGIRI TELUGU RUPA SREE           87         17AT1A04A5         SALKAPURAM SAI CHARAN           88         17AT1A04A6         MADDELA SAI CHARAN TEJA           90         17AT1A04A8         NUTHANAPATI SAI	69	17AT5A0415	KALUVA VINAY KUMAR
71       17AT1A0488       SHAIK NUSRATH NAAZ         72       17AT1A0489       K PAVAN TEJA         73       17AT1A0490       AKULA PAVANKALYAN         74       17AT1A0491       KASHIGARI PAWAN         75       17AT1A0492       CHILUKURU POOJITHA         76       17AT1A0493       K PRAVALLIKA         77       17AT1A0494       GURRAM PREETHI         78       17AT1A0495       MALLELA PREETHI YADAV         79       17AT1A0496       JANGAM RAJAKUMAR         80       17AT1A0497       REDDYPOGU RAKESH         81       17AT1A0498       KURUVA RAMADEVI         82       17AT1A0499       BOYINI RAMAKANTH REDDY         83       17AT1A04A0       YASAM RAMASUCHARITHA         84       17AT1A04A1       YEDLAPALLI RAMU         85       17AT1A04A2       YANNAM PEDDA RANGA SWAMY         86       17AT1A04A4       YATAGIRI TELUGU RUPA SREE         87       17AT1A04A5       SALKAPURAM SAI CHARAN         88       17AT1A04A6       MADDELA SAI CHARAN TEJA         89       17AT1A04A8       NUTHANAPATI SAI KIRAN CHOWDARY         91       17AT1A04B9       SAI ROHITH V	L <sub>i</sub>		III ECE
72 17AT1A0489 K PAVAN TEJA 73 17AT1A0490 AKULA PAVANKALYAN 74 17AT1A0491 KASHIGARI PAWAN 75 17AT1A0492 CHILUKURU POOJITHA 76 17AT1A0493 K PRAVALLIKA 77 17AT1A0494 GURRAM PREETHI 78 17AT1A0495 MALLELA PREETHI YADAV 79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0498 KURUVA RAMADEVI 82 17AT1A0499 BOYINI RAMAKANTH REDDY 83 17AT1A04A0 YASAM RAMASUCHARITHA 84 17AT1A04A1 YEDLAPALLI RAMU 85 17AT1A04A2 YANNAM PEDDA RANGA SWAMY 86 17AT1A04A4 YATAGIRI TELUGU RUPA SREE 87 17AT1A04A5 SALKAPURAM SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN TEJA 89 17AT1A04A7 L SAI JYOTHSNA 90 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	70	17AT1A0487	HARIBELKAMLEKAR NEHA
73 17AT1A0490 AKULA PAVANKALYAN 74 17AT1A0491 KASHIGARI PAWAN 75 17AT1A0492 CHILUKURU POOJITHA 76 17AT1A0493 K PRAVALLIKA 77 17AT1A0494 GURRAM PREETHI 78 17AT1A0495 MALLELA PREETHI YADAV 79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0498 KURUVA RAMADEVI 82 17AT1A0499 BOYINI RAMAKANTH REDDY 83 17AT1A04A0 YASAM RAMASUCHARITHA 84 17AT1A04A1 YEDLAPALLI RAMU 85 17AT1A04A2 YANNAM PEDDA RANGA SWAMY 86 17AT1A04A4 YATAGIRI TELUGU RUPA SREE 87 17AT1A04A5 SALKAPURAM SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN TEJA 89 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	71	17AT1A0488	SHAIK NUSRATH NAAZ
74       17AT1A0491       KASHIGARI PAWAN         75       17AT1A0492       CHILUKURU POOJITHA         76       17AT1A0493       K PRAVALLIKA         77       17AT1A0494       GURRAM PREETHI         78       17AT1A0495       MALLELA PREETHI YADAV         79       17AT1A0496       JANGAM RAJAKUMAR         80       17AT1A0497       REDDYPOGU RAKESH         81       17AT1A0498       KURUVA RAMADEVI         82       17AT1A0499       BOYINI RAMAKANTH REDDY         83       17AT1A04A0       YASAM RAMASUCHARITHA         84       17AT1A04A1       YEDLAPALLI RAMU         85       17AT1A04A2       YANNAM PEDDA RANGA SWAMY         86       17AT1A04A4       YATAGIRI TELUGU RUPA SREE         87       17AT1A04A5       SALKAPURAM SAI CHARAN         88       17AT1A04A6       MADDELA SAI CHARAN TEJA         89       17AT1A04A7       L SAI JYOTHSNA         90       17AT1A04A8       NUTHANAPATI SAI KIRAN CHOWDARY         91       17AT1A04A9       SATHOORI SAI KRISHNA GOUD         92       17AT1A04B0       SAI ROHITH V	. 72	17AT1A0489	K PAVAN TEJA
75 17AT1A0492 CHILUKURU POOJITHA 76 17AT1A0493 K PRAVALLIKA 77 17AT1A0494 GURRAM PREETHI 78 17AT1A0495 MALLELA PREETHI YADAV 79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0498 KURUVA RAMADEVI 82 17AT1A0499 BOYINI RAMAKANTH REDDY 83 17AT1A04A0 YASAM RAMASUCHARITHA 84 17AT1A04A1 YEDLAPALLI RAMU 85 17AT1A04A2 YANNAM PEDDA RANGA SWAMY 86 17AT1A04A4 YATAGIRI TELUGU RUPA SREE 87 17AT1A04A5 SALKAPURAM SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN TEJA 89 17AT1A04A7 L SAI JYOTHSNA 90 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	73	17AT1A0490	AKULA PAVANKALYAN
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78 17AT1A0495 MALLELA PREETHI YADAV  79 17AT1A0496 JANGAM RAJAKUMAR  80 17AT1A0497 REDDYPOGU RAKESH  81 17AT1A0498 KURUVA RAMADEVI  82 17AT1A0499 BOYINI RAMAKANTH REDDY  83 17AT1A04A0 YASAM RAMASUCHARITHA  84 17AT1A04A1 YEDLAPALLI RAMU  85 17AT1A04A2 YANNAM PEDDA RANGA SWAMY  86 17AT1A04A4 YATAGIRI TELUGU RUPA SREE  87 17AT1A04A5 SALKAPURAM SAI CHARAN  88 17AT1A04A6 MADDELA SAI CHARAN TEJA  89 17AT1A04A7 L SAI JYOTHSNA  90 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY  91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD  92 17AT1A04B0 SAI ROHITH V	76	17AT1A0493	K PRAVALLIKA
79 17AT1A0496 JANGAM RAJAKUMAR 80 17AT1A0497 REDDYPOGU RAKESH 81 17AT1A0498 KURUVA RAMADEVI 82 17AT1A0499 BOYINI RAMAKANTH REDDY 83 17AT1A04A0 YASAM RAMASUCHARITHA 84 17AT1A04A1 YEDLAPALLI RAMU 85 17AT1A04A2 YANNAM PEDDA RANGA SWAMY 86 17AT1A04A4 YATAGIRI TELUGU RUPA SREE 87 17AT1A04A5 SALKAPURAM SAI CHARAN 88 17AT1A04A6 MADDELA SAI CHARAN TEJA 89 17AT1A04A7 L SAI JYOTHSNA 90 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	77	17AT1A0494	GURRAM PREETHI
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81       17AT1A0498       KURUVA RAMADEVI         82       17AT1A0499       BOYINI RAMAKANTH REDDY         83       17AT1A04A0       YASAM RAMASUCHARITHA         84       17AT1A04A1       YEDLAPALLI RAMU         85       17AT1A04A2       YANNAM PEDDA RANGA SWAMY         86       17AT1A04A4       YATAGIRI TELUGU RUPA SREE         87       17AT1A04A5       SALKAPURAM SAI CHARAN         88       17AT1A04A6       MADDELA SAI CHARAN TEJA         89       17AT1A04A7       L SAI JYOTHSNA         90       17AT1A04A8       NUTHANAPATI SAI KIRAN CHOWDARY         91       17AT1A04A9       SATHOORI SAI KRISHNA GOUD         92       17AT1A04B0       SAI ROHITH V	79	17AT1A0496	JANGAM RAJAKUMAR
82       17AT1A0499       BOYINI RAMAKANTH REDDY         83       17AT1A04A0       YASAM RAMASUCHARITHA         84       17AT1A04A1       YEDLAPALLI RAMU         85       17AT1A04A2       YANNAM PEDDA RANGA SWAMY         86       17AT1A04A4       YATAGIRI TELUGU RUPA SREE         87       17AT1A04A5       SALKAPURAM SAI CHARAN         88       17AT1A04A6       MADDELA SAI CHARAN TEJA         89       17AT1A04A7       L SAI JYOTHSNA         90       17AT1A04A8       NUTHANAPATI SAI KIRAN CHOWDARY         91       17AT1A04A9       SATHOORI SAI KRISHNA GOUD         92       17AT1A04B0       SAI ROHITH V	80	17AT1A0497	REDDYPOGU RAKESH
83       17AT1A04A0       YASAM RAMASUCHARITHA         84       17AT1A04A1       YEDLAPALLI RAMU         85       17AT1A04A2       YANNAM PEDDA RANGA SWAMY         86       17AT1A04A4       YATAGIRI TELUGU RUPA SREE         87       17AT1A04A5       SALKAPURAM SAI CHARAN         88       17AT1A04A6       MADDELA SAI CHARAN TEJA         89       17AT1A04A7       L SAI JYOTHSNA         90       17AT1A04A8       NUTHANAPATI SAI KIRAN CHOWDARY         91       17AT1A04A9       SATHOORI SAI KRISHNA GOUD         92       17AT1A04B0       SAI ROHITH V	81	17AT1A0498	KURUVA RAMADEVI
84       17AT1A04A1       YEDLAPALLI RAMU         85       17AT1A04A2       YANNAM PEDDA RANGA SWAMY         86       17AT1A04A4       YATAGIRI TELUGU RUPA SREE         87       17AT1A04A5       SALKAPURAM SAI CHARAN         88       17AT1A04A6       MADDELA SAI CHARAN TEJA         89       17AT1A04A7       L SAI JYOTHSNA         90       17AT1A04A8       NUTHANAPATI SAI KIRAN CHOWDARY         91       17AT1A04A9       SATHOORI SAI KRISHNA GOUD         92       17AT1A04B0       SAI ROHITH V	82	17AT1A0499	BOYINI RAMAKANTH REDDY
85       17AT1A04A2       YANNAM PEDDA RANGA SWAMY         86       17AT1A04A4       YATAGIRI TELUGU RUPA SREE         87       17AT1A04A5       SALKAPURAM SAI CHARAN         88       17AT1A04A6       MADDELA SAI CHARAN TEJA         89       17AT1A04A7       L SAI JYOTHSNA         90       17AT1A04A8       NUTHANAPATI SAI KIRAN CHOWDARY         91       17AT1A04A9       SATHOORI SAI KRISHNA GOUD         92       17AT1A04B0       SAI ROHITH V	83	17AT1A04A0	YASAM RAMASUCHARITHA
86       17AT1A04A4       YATAGIRI TELUGU RUPA SREE         87       17AT1A04A5       SALKAPURAM SAI CHARAN         88       17AT1A04A6       MADDELA SAI CHARAN TEJA         89       17AT1A04A7       L SAI JYOTHSNA         90       17AT1A04A8       NUTHANAPATI SAI KIRAN CHOWDARY         91       17AT1A04A9       SATHOORI SAI KRISHNA GOUD         92       17AT1A04B0       SAI ROHITH V	84	17AT1A04A1	YEDLAPALLI RAMU
87       17AT1A04A5       SALKAPURAM SAI CHARAN         88       17AT1A04A6       MADDELA SAI CHARAN TEJA         89       17AT1A04A7       L SAI JYOTHSNA         90       17AT1A04A8       NUTHANAPATI SAI KIRAN CHOWDARY         91       17AT1A04A9       SATHOORI SAI KRISHNA GOUD         92       17AT1A04B0       SAI ROHITH V	85	17AT1A04A2	YANNAM PEDDA RANGA SWAMY
88 17AT1A04A6 MADDELA SAI CHARAN TEJA 89 17AT1A04A7 L SAI JYOTHSNA 90 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	86	17AT1A04A4	YATAGIRI TELUGU RUPA SREE
89 17AT1A04A7 L SAI JYOTHSNA 90 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	87	17AT1A04A5	SALKAPURAM SAI CHARAN
90 17AT1A04A8 NUTHANAPATI SAI KIRAN CHOWDARY 91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	88	17AT1A04A6	MADDELA SAI CHARAN TEJA
91 17AT1A04A9 SATHOORI SAI KRISHNA GOUD 92 17AT1A04B0 SAI ROHITH V	89	17AT1A04A7	L SAI JYOTHSNA
92 17AT1A04B0 SAI ROHITH V	90	17AT1A04A8	NUTHANAPATI SAI KIRAN CHOWDARY
	. 91	17AT1A04A9	SATHOORI SAI KRISHNA GOUD
93 17AT1A04B1 PANCHANGAM SAI SAMYUKTHA			
	92	17AT1A04B0	SAI ROHITH V

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94	4 17AT1A04B2	K SAI SARANYA
9!	17AT1A04B3	MALAVATH SAI SOWMYA BAI
96	17AT1A04B4	DANDIMENI SAI VENNELA
97	7 17AT1A04B5	KG SAKETH KUMAR
98	17AT1A04B6	MARRI SAKETH KUMAR
99	17AT1A04B7	H SAMARA SIMHA REDDY
100	17AT1A04B8	MULLA SAMEENA
101	17AT1A04B9	MD SARFARAZ NASIRJAH
102	17AT1A04C0	BELLARY SANAULLAH
103	17AT1A04C1	MANGALI SANDEEP
104	17AT1A04C3	S SHEHBAZ ABDUL WAASI
105	17AT1A04C4	DARGA SHAMSHEER
106	17AT1A04C5	SHAIK SHAMSHUN .
107	17AT1A04C6	KATIKA SHANAVAJ .
108	17AT1A04C7	A SHANTHI SAI
109	17AT1A04C9	K SHREYA
110	17AT1A04D0	GOLLA SIREESHA
111	17AT1A04D1	GOLLA SIREESHA
112	17AT1A04D2	KOTLA SIVANI
113	17AT1A04D3	L SONICA TEJASWINI
114	17AT1A04D4	PIDATHALA SOWMYA
115	17AT1A04D5	PURETI SREEDARSHINI KISHORE
	17AT1A04D6	BANDAPALLI SREENATH
	17AT1A04D7	ALAM SREEVIDYA
	17AT1A04D8	BANDI SRUJAN ABHISHEK
	17AT1A04D9	M STANLEY RHEMA CALVIN
	17AT1A04E0	A SUDEEPTHI REDDY
	17AT1A04E1	PEDDA BOYEENA SUDHEER KUMAR
	17AT1A04E2	CHALLA SUJITHA
	17AT1A04E3	YALLATURU SUMANTH
	17AT1A04E4	KAMISHETTI SUNIL KUMAR
-	17AT1A04E5	BOYA SUNITHA
	17AT1A04E6	RACHAMADUGU SUPRIYA
	17AT1A04E7	M SUSHMA
	17AT1A04E8	U SUSHMANJALI
	17AT1A04E9	KAPA SUSHMAREDDY
	17AT1A04F0	D SUSMITHA
	17AT1A04F1	NTANMAI
	17AT1A04F2	DHARMAVARAM TEJA
	17AT1A04F4	KUMMARI TEJASWINI
	17AT1A04F5	MUTYALA TEJASWINI
	17AT1A04F6	M UDAY KIRAN
	17AT1A04F7	EDIGA UDAY KUMAR
	17AT1A04F8	UPPARA UDAY SAI
	17AT1A04F9	POLURU UMA DEVI
	17AT1A04G0	T VAIBHAV SHARMA
	17AT1A04G1	KATEPOGU VAMSI KUMAR
	17AT1A04G2 17AT1A04G3	Y VAMSI
		NAGARAJU VARSHITHA
143	1/A11AU4G4	VEEKSHITHA REDDY R



144	17AT1A04G5	KASIREDDY VENKATA BHAVANA REDDY
	17AT1A04G5	
		BOYA VENKATA MURALI
146	17AT1A04G7	M VENUSRI
147	17AT1A04G8	G VIJAY
148	17AT1A04G9	DADEPOGU VIJAY KUMAR
149	17AT1A04H0	DUDUMANNAGARI VIJAYA KUMAR
150	17AT1A04H1	G VIKAS
151	17AT1A04H2	D VIRAAL RICHARD
152	17AT1A04H3	V VYSHNAVI
153	17AT1A04H4	KASETTY YASHASREE
154	17AT1A04H5	MOLLA YASIRABI
155	17AT1A04H6	KUMMARI YESHWANTH
156	17AT1A04H7	SHAIK ZIA FURQAN
157	17AT1A04H8	SURA AKHIL KUMAR
158	17AT1A04H9	B MOHEEB ALI KHAN
159	17AT1A04I0	KURUKUNDU SOWMYA
160	17AT1A04I1	KAREDDY VAISHNAVI
161	22AT5A0436	SHAIK ABDUL UMAR
162	22AT5A0437	SHAIK ESMAIL
163	22AT5A0438	SOMU PAVAN KUMAR REDDY
164	22AT5A0439	TELUGU GANGADHAR
165	22AT5A0440	TATI REDDY PRATHYUSHA





# G.PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY::KURNOOL (AUTONOMOUS)

## ACCREDITED BY NAAC 'A' GRADE OF UGC AND NBA OF AICTE

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

# HIGH SPEED ELECTRONICS ASSESMENT TEST

- 1. What is the primary purpose of high-speed electronics?
  - A) To reduce power consumption
  - B) To increase processing speed
  - C) To minimize component size
  - D) To enhance electromagnetic shielding
- 2. Which semiconductor material is commonly used in high-speed electronic devices?
  - A) Silicon
  - B) Germanium
  - C) Gallium arsenide (GaAs)
  - D) Indium phosphide (InP)
- 3. What is the main challenge in designing high-speed digital circuits?
  - A) Thermal management
  - B) Electromagnetic interference
  - C) Signal integrity
  - D) Power supply stability
- 4. Which of the following is NOT a characteristic of high-speed interconnects?
  - A) Low resistance
  - B) Low capacitance
  - C) High bandwidth
  - D) High latency
- 5. What does DDR SDRAM stand for in the context of high-speed electronics?
  - A) Dual Data Rate Synchronous Dynamic Random Access Memory
  - B) Double Density Random Static Memory
  - C) Digital Data Relay Synchronized DRAM
  - D) Direct Dynamic Random Access Module
- 6. Which of the following is a common technique for reducing signal skew in high-speed digital systems?
  - A) Delay-locked loop (DLL)
  - B) Voltage-controlled oscillator (VCO)
  - C) Field-programmable gate array (FPGA)
  - D) Pulse-width modulation (PWM)
- 7. What is the significance of rise time and fall time in high-speed digital signals?
  - A) They indicate the frequency of the signal
  - B) They measure the transition speed of the signal
  - C) They determine the signal-to-noise ratio
  - D) They represent the signal propagation delay

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8.	Which type of transmission line is preferred for	high-speed data transfer over long distances?
	A) Coaxial cable	s i sing distances.

- B) Twisted-pair cable
- C) Misseu-pair cab
- C) Microstrip line
  D) Optical fiber
- 9. Which of the following factors affects the propagation delay of signals in high-speed electronic circuits?
  - A) Capacitance
  - B) Inductance
  - C) Resistance
  - D) All of the above
- 10. What is the purpose of impedance matching in high-speed electronic circuits?
  - A) To maximize power consumption
  - B) To minimize electromagnetic interference
  - C) To minimize signal reflection
  - D) To maximize signal distortion
- 11. Which of the following is NOT a component of a high-speed serial link?
  - A) Serializer
  - B) Deserializer
  - C) Phase-locked loop (PLL)
  - D) Multiplexer
- 12. What is the function of clock skew correction in high-speed digital systems?
  - A) To synchronize data transmission
  - B) To reduce power consumption
  - C) To minimize electromagnetic interference
  - D) To compensate for timing differences between clock signals
- 13. Which of the following modulation techniques is commonly used in high-speed wireless communication?
  - A) Amplitude modulation (AM)
  - B) Frequency modulation (FM)
  - C) Phase-shift keying (PSK)
  - D) Pulse-amplitude modulation (PAM)
- 14. What is jitter in high-speed digital systems?
  - A) The delay between input and output signals
  - B) The variation in signal amplitude over time
  - C) The variation in signal timing
  - D) The interference caused by electromagnetic radiation
- 15. Which type of filter is commonly used for signal conditioning in high-speed communication systems?
  - A) Butterworth filter
  - B) Chebyshev filter
  - C) Bessel filter
  - D) Elliptic filter
- 16. What is the significance of eye diagrams in high-speed digital communication?
  - A) They represent the amplitude of the signal

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- B) They show the signal-to-noise ratio
- C) They visualize signal integrity and timing
- D) They indicate the frequency spectrum of the signal
- 17. Which of the following is NOT a common method for reducing power consumption in high-speed electronic devices?
  - A) Dynamic voltage scaling
  - B) Clock gating
  - C) Signal amplification
  - D) Power gating
- 18. What is the role of jitter tolerance in high-speed communication receivers?
  - A) To amplify the received signal
  - B) To filter out noise
  - C) To compensate for timing variations in the received signal
  - D) To synchronize multiple data streams
- 19. Which of the following is NOT a factor affecting signal integrity in high-speed digital systems?
  - A) Crosstalk
  - B) Power supply voltage
  - C) Reflections
  - D) Skew
- 20. What is the function of equalization in high-speed communication systems?
  - A) To balance signal amplitudes
  - B) To compensate for channel distortion
  - C) To synchronize data transmission
  - D) To reduce signal jitter
- 21. Which of the following is NOT a common type of noise in high-speed electronic systems?
  - A) Thermal noise
  - B) Shot noise
  - C) Signal noise
  - D) Crosstalk
- 22. What is the significance of bit error rate (BER) in high-speed communication systems?
  - A) It measures the speed of data transmission
  - B) It quantifies the reliability of data transmission
  - C) It indicates the signal-to-noise ratio
  - D) It represents the bandwidth of the communication channel
- 23. Which type of amplifier is commonly used in high-speed communication systems?
  - A) Class A amplifier
  - B) Class B amplifier
  - C) Class AB amplifier
  - D) Class D amplifier
- 24. What is the role of clock distribution networks in high-speed digital systems?
  - A) To generate clock signals
  - B) To amplify clock signals
  - C) To distribute clock signals with minimal skew
  - D) To synchronize clock signals with data signals

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- 25. Which of the following is a common method for reducing electromagnetic interference in high-speed electronic systems?
  - A) Shielding
  - B) Amplification
  - C) Voltage regulation
  - D) Impedance matching

Instructor Sign

HOD-ECE

# G PULLAIAH COLLEGE OF ENGINEERING & TECHONOLOGY (AT), KURNOOL

#### DEPARTMENT OF ECE

#### HIGH SPEED ELECTRONICS

5.NO.	ROLL NO.	ROLL NO.	Marks (50M)
		IV ECE	
1	16AT1A04B9	KASIREDDY SHIVANI	50
2	16AT1A04C0	RAJAMMURI SIREESHA	33
3	16AT1A04C1	P SIRISHA	35
4	16AT1A04C2	PUNYAMURTHY SIVA SAI KUMAR	50
5	16AT1A04C4	I SIVA SUBRAMANYAM	33
6	16AT1A04C5	GADIGA SOWJANYA	50
7	16AT1A04C6	C SOWMYA	45
8	16AT1A04C7	ELLURU SOWMYA	50
9	16AT1A04C8	U SOWMYA SRI	50
. 10	16AT1A04C9	NUKALA SRAVANI	50
. 11	16AT1A04D0	V SREE AMRUTHA	50
12	16AT1A04D1	V SREENATH REDDY	25
13	16AT1A04D2	G SRI LAKSHMI	13
14	16AT1A04D3	K SRILAKSHMI	50
15	16AT1A04D4	YARRAM SRILATHA	48
16	16AT1A04D5	DEVANURU SRINIVASULU	44
17	16AT1A04D6	THUPPUKONDA SRINIVASULU	50
18	16AT1A04D7	SAYA SUDHAKAR BABU	49
19	16AT1A04D8	DARA SUDHEER KUMAR	41
20	16AT1A04D9	S SUMA	36
21	16AT1A04E0	PESALA SUMANTH	50
22	16AT1A04E1	KANIKE SURYA	50
23	16AT1A04E2	EDIGA SWETHA	50
. 24	16AT1A04E3	VIRUPA SWETHA	46
25	16AT1A04E4	A TANMAI TEJ	45
26	16AT1A04E5	ELLURU TARUN KUMAR	50
27 :	16AT1A04E6	SREERAMA TARUN	50
28	16AT1A04E7	M TARUNANJAN	10
29	16AT1A04E8	M THIRUMALESH NAIDU	46
. 30	16AT1A04E9	SHAIK UMEY HONEY	45
31 1	16AT1A04F0	KALVA VAMSHI KRISHNA YADAV	49
32 1	16AT1A04F1	A VAMSHIDHAR	50
33 1	16AT1A04F2	ALIVELI VAMSI KRISHNA	50
34 1	16AT1A04F3	EDIGA VAMSI KRISHNA GOUD	44
35 1	16AT1A04F4	KAPPALA VARSHINI	49
36 1	L6AT1A04F6	NAKKA VASUNDHARA DEVI	43
37 1	L6AT1A04F7	R VEENA MADHURI	50
38 1	L6AT1A04F8	PODILI VEERENDRA SAI	34
39 1	L6AT1A04F9	ANUMULA VENKATA NAGA SAI PAVANI	50
40 1	L6AT1A04G0	ELAPAVANAM VENKATASAI PRANEETH	48
41 1	L6AT1A04G2	K VENKATESWAR REDDY	50
42 1	L6AT1A04G3	ETIKALA VIGNATHA	48
43 1	L6AT1A04G4	YEKBOTE VIJAYSAI	50
44 1	L6AT1A04G6	CHAKALI VINODH	50

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	16AT1A04G7	JEETHURI VISHNU	49
46	16AT1A04G8	SHAIK WASEEM BASHA	50
47	16AT1A04G9	BOYA YALLARAJU	50
48	16AT1A04H0	PERUMALA YAMINI	10
49	16AT1A04H1	ENAMETLA YASHASWINI	30
50	16AT1A04H2	M YATISHA	30
51	16AT1A04H3	NEELI YOGISWAR	50
52	16AT1A04H4	STEFFY BADRI	50
53	15AT1A0475	KRISHNAJADA PRABHAVATHI	46
54	15AT1A0481	M RAGHUVAMSI	48
. 55	17AT5A0401	MULE ARUNA	50
56	17AT5A0402	HOUDEKARI JAVAHARLAL	48
57	17AT5A0403	B JAYANTH KUMAR	49
58	17AT5A0404	KURUVA KRISHNAVENI	49
59	17AT5A0405	BYSANI MALLIKARJUNA .	47
60	17AT5A0406	J MALLIKARJUNA	
61	17AT5A0407	SEMIKALA MURALIDHARA REDDY	50
62	17AT5A0408	SURIVIGARI NAGA TEJESWARA REDDY	10
	17AT5A0409	MOGATHALI RAMU	47
	17AT5A0410	YEDDULA-RUBY SWAROOPA RANI	49
	17AT5A0411	KALIMI SANDEEP REDDY	50
	17AT5A0412	KOVURU SRAVAN KUMAR	44
	17AT5A0413	DASARI SUMANTH KUMAR	50
	17AT5A0413	THIRIVEEDI SUPRIYA	50
	17AT5A0414	KALUVA VINAY KUMAR	37
(5.5.0)		III ECE	50
	Max. Sa	III ECE	
70	17AT1A0487	HARIBELKAMLEKAR NEHA	50
70 71	17AT1A0487 17AT1A0488	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ	50 33
70 71 72	17AT1A0487 17AT1A0488 17AT1A0489	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA	50 33 35
70 71 72 73	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN	50 33 35 50
70 71 72 73	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN	50 33 35 50 33
70 71 72 73 74 75	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA	50 33 35 50 33 50
70 71 72 73 74 75 76	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA	50 33 35 50 33 50 45
70 71 72 73 74 75 76	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI	50 33 35 50 33 50 45 50
70 71 72 73 74 75 76 77	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494 17AT1A0495	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV	50 33 35 50 33 50 45 50
70 71 72 73 74 75 76 77 78 79	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494 17AT1A0496	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR	50 33 35 50 33 50 45 50 50
70 71 72 73 74 75 76 77 78 79:	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494 17AT1A0495 17AT1A0496 17AT1A0497	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH	50 33 35 50 33 50 45 50 50 50
70 71 72 73 74 75 76 77 78 80 81 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494 17AT1A0495 17AT1A0496 17AT1A0497 17AT1A0498	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH KURUVA RAMADEVI	50 33 35 50 33 50 45 50 50 50 50
70 71 72 73 74 75 76 77 78 80 181 82 2 2 2 8	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494 17AT1A0496 17AT1A0497 17AT1A0497 17AT1A0498 17AT1A0499	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH KURUVA RAMADEVI BOYINI RAMAKANTH REDDY	50 33 35 50 33 50 45 50 50 50 50 25
70 71 72 73 74 75 76 77 1 80 1 80 1 82 2 83 2 83 2 8	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0494 17AT1A0494 17AT1A0495 17AT1A0496 17AT1A0497 17AT1A0498 17AT1A0499	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH KURUVA RAMADEVI BOYINI RAMAKANTH REDDY YASAM RAMASUCHARITHA	50 33 35 50 33 50 45 50 50 50 50 25 32
70 71 72 73 74 75 76 77 78 80 81 1 82 2 83 84 1	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494 17AT1A0495 17AT1A0496 17AT1A0497 17AT1A0498 17AT1A0499 17AT1A0440 17AT1A04A0	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH KURUVA RAMADEVI BOYINI RAMAKANTH REDDY YASAM RAMASUCHARITHA	50 33 35 50 33 50 45 50 50 50 50 50 50 45 50 45 50 45 50 45 50 45 50 45 50 45 50 45 50 45 45 45 45 45 45 45 45 45 45
70 71 72 73 74 75 76 77 9 1 80 1 82 1 1 82 1 83 1 84 1 85 1 1	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0494 17AT1A0494 17AT1A0496 17AT1A0497 17AT1A0498 17AT1A0499 17AT1A0440 17AT1A04A0 17AT1A04A1	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH KURUVA RAMADEVI BOYINI RAMAKANTH REDDY YASAM RAMASUCHARITHA YEDLAPALLI RAMU YANNAM PEDDA RANGA SWAMY	50 33 35 50 33 50 45 50 50 50 50 50 50 50 45 50 45 50 45 50 45 50 45 50 45 50 45 50 45 50 45 45 45 45 45 45 45 45 45 45
70 71 72 73 74 75 76 77 1 80 1 1 80 1 81 1 82 1 83 1 86 1 86 1 86 1	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0494 17AT1A0495 17AT1A0496 17AT1A0497 17AT1A0498 17AT1A0498 17AT1A0499 17AT1A04A0 17AT1A04A1 17AT1A04A1	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH KURUVA RAMADEVI BOYINI RAMAKANTH REDDY YASAM RAMASUCHARITHA YEDLAPALLI RAMU YANNAM PEDDA RANGA SWAMY	50 33 35 50 33 50 45 50 50 50 50 50 50 48 10 50
70 71 72 73 74 75 76 77 78 80 181 1 82 1 83 184 1 85 186 187 11 87	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494 17AT1A0496 17AT1A0497 17AT1A0498 17AT1A0499 17AT1A0440 17AT1A04A1 17AT1A04A1 17AT1A04A2 17AT1A04A4 17AT1A04A5	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH KURUVA RAMADEVI BOYINI RAMAKANTH REDDY YASAM RAMASUCHARITHA YEDLAPALLI RAMU YANNAM PEDDA RANGA SWAMY YATAGIRI TELUGU RUPA SREE SALKAPURAM SAI CHARAN	50 33 35 50 33 50 45 50 50 50 50 50 50 48 10 50 49
70 71 72 73 74 75 76 77 9 1 80 1 82 1 1 85 1 86 1 88 1 1 88 1 1 88 1 1	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494 17AT1A0495 17AT1A0496 17AT1A0497 17AT1A0499 17AT1A0499 17AT1A04A0 17AT1A04A1 17AT1A04A2 17AT1A04A2 17AT1A04A4 17AT1A04A5 17AT1A04A6	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH KURUVA RAMADEVI BOYINI RAMAKANTH REDDY YASAM RAMASUCHARITHA YEDLAPALLI RAMU YANNAM PEDDA RANGA SWAMY	50 33 35 50 33 50 45 50 50 50 50 50 25 32 50 48 10 50 49 41
70 71 72 73 74 75 76 77 1 78 1 80 1 88 1 1 88 1 88 1 89 1 1 89 1 1	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494 17AT1A0495 17AT1A0496 17AT1A0497 17AT1A0498 17AT1A0499 17AT1A04A0 17AT1A04A1 17AT1A04A2 17AT1A04A2 17AT1A04A4 17AT1A04A5 17AT1A04A6 17AT1A04A7	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH KURUVA RAMADEVI BOYINI RAMAKANTH REDDY YASAM RAMASUCHARITHA YEDLAPALLI RAMU YANNAM PEDDA RANGA SWAMY YATAGIRI TELUGU RUPA SREE SALKAPURAM SAI CHARAN	50 33 35 50 33 50 45 50 50 50 50 50 50 48 10 50 49
70 71 72 73 74 75 76 77 1 78 1 80 1 88 1 1 88 1 88 1 89 1 1 89 1 1	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494 17AT1A0495 17AT1A0496 17AT1A0497 17AT1A0499 17AT1A0499 17AT1A04A0 17AT1A04A1 17AT1A04A2 17AT1A04A2 17AT1A04A4 17AT1A04A5 17AT1A04A6	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH KURUVA RAMADEVI BOYINI RAMAKANTH REDDY YASAM RAMASUCHARITHA YEDLAPALLI RAMU YANNAM PEDDA RANGA SWAMY YATAGIRI TELUGU RUPA SREE SALKAPURAM SAI CHARAN MADDELA SAI CHARAN	50 33 35 50 33 50 45 50 50 50 50 50 25 32 50 48 10 50 49 41
70 71 72 73 74 75 76 77 78 80 1 80 1 83 1 85 1 86 1 87 1 90 1 1 90 1 1 90 1 1	17AT1A0487 17AT1A0488 17AT1A0489 17AT1A0490 17AT1A0491 17AT1A0492 17AT1A0493 17AT1A0494 17AT1A0495 17AT1A0496 17AT1A0497 17AT1A0498 17AT1A0499 17AT1A04A0 17AT1A04A1 17AT1A04A2 17AT1A04A2 17AT1A04A4 17AT1A04A5 17AT1A04A6 17AT1A04A7	HARIBELKAMLEKAR NEHA SHAIK NUSRATH NAAZ K PAVAN TEJA AKULA PAVANKALYAN KASHIGARI PAWAN CHILUKURU POOJITHA K PRAVALLIKA GURRAM PREETHI MALLELA PREETHI YADAV JANGAM RAJAKUMAR REDDYPOGU RAKESH KURUVA RAMADEVI BOYINI RAMAKANTH REDDY YASAM RAMASUCHARITHA YEDLAPALLI RAMU YANNAM PEDDA RANGA SWAMY YATAGIRI TELUGU RUPA SREE SALKAPURAM SAI CHARAN MADDELA SAI CHARAN TEJA L SAI JYOTHSNA	50 33 35 50 33 50 45 50 50 50 50 50 50 48 10 50 48 10 50 49 41 36



94 17AT1A0	4B2 K SAI SARANYA	45
95 17AT1A0	4B3 MALAVATH SAI SOWMYA BAI	50
96 17AT1A0	4B4 DANDIMENI SAI VENNELA	50
97 17AT1AC	4B5 KG SAKETH KUMAR	36
98 17AT1AC	4B6 MARRI SAKETH KUMAR	46
99 17AT1AC	4B7 H SAMARA SIMHA REDDY	45
100 17AT1AC	4B8 MULLA SAMEENA	49
101 17AT1AC	4B9 MD SARFARAZ NASIRJAH	50
102 17AT1AC	4CO BELLARY SANAULLAH	50
103 17AT1AC	4C1 MANGALI SANDEEP	17
104 17AT1A0	4C3 S SHEHBAZ ABDUL WAASI	49
105 17AT1A0	4C4 DARGA SHAMSHEER	43
106 17AT1A0	4C5 SHAIK SHAMSHUN	50
107 17AT1A0	4C6 KATIKA SHANAVAJ	34
108 17AT1A0	4C7 A SHANTHI SAI	50
109 17AT1A0	4C9 K SHREYA	48
110 17AT1A0	4D0 GOLLA SIREESHA	50
111 17AT1A0		48
112 17AT1A0		50
113 17AT1AO		50
114 17AT1A0		49
115 17AT1A0		50
116 17AT1A0		50
117 17AT1A04	- The state of the	50
118 17AT1A04	D8 BANDI SRUJAN ABHISHEK	30
119 17AT1A04		30
120 17AT1A04		13
121 17AT1A04	E1 PEDDA BOYEENA SUDHEER KUMAR	50
122 17AT1A04	E2 CHALLA SUJITHA	46
123 17AT1A04	E3 YALLATURU SUMANTH	48
124 17AT1A04		50
125 17AT1A04		48
126 17AT1A04	E6 RACHAMADUGU SUPRIYA	49
127 17AT1A04	E7 M SUSHMA	49
128 17AT1A04	E8 U SUSHMANJALI	47
129 17AT1A04	E9 KAPA SUSHMAREDDY	50
· 130 17AT1A04	FO D SUSMITHA	50
131 17AT1A04		47
132 17AT1A04		49
133 17AT1A04		50
134 17AT1A04		12
135 17AT1A04		50
136 17AT1A04		50
137 17AT1A04		37
138 17AT1A04		50
139 17AT1A04		50
140 17AT1A04		33
141 17AT1A04		35
142 17AT1A04		50
143 17AT1A04		33



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Description:

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Description:

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Reg & Tech.

Nandikotkur Road, VENKAYAPALLI

KURNOOL-518 452 (A.P)

144	17AT1A04G5	KASIREDDY VENKATA BHAVANA REDDY	50
145	17AT1A04G6	BOYA VENKATA MURALI	45
146	17AT1A04G7	M VENUSRI	50
147	17AT1A04G8	G VIJAY	50
148	17AT1A04G9	DADEPOGU VIJAY KUMAR	50
149	17AT1A04H0	DUDUMANNAGARI VIJAYA KUMAR	50
150	17AT1A04H1	G VIKAS	25
151	17AT1A04H2	D VIRAAL RICHARD	32
152	17AT1A04H3	V VYSHNAVI	50
153	17AT1A04H4	KASETTY YASHASREE	48
154	17AT1A04H5	MOLLA YASIRABI	44
155	17AT1A04H6	KUMMARI YESHWANTH	50
156	17AT1A04H7	SHAIK ZIA FURQAN	49
157	17AT1A04H8	SURA AKHIL KUMAR	41
158	17AT1A04H9	B MOHEEB ALI KHAN	36
159	17AT1A04I0	KURUKUNDU SOWMYA	50
160	17AT1A04I1	KAREDDY VAISHNAVI	50

Instructor Sign

HOD-ECE