#### SRI INDU INSTITUTE OF ENGINEERING & TECHNOLOGY



Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad. [Formerly RVR Institute of Engineering & Technology] Sheriguda (V), Ibrahimpatnam (M), R. R. District, T.S – 501510.

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#### MECHANISM TO DEAL WITH INTERNAL EXAMINATIONS RELATED GRIEVANCES IS

#### TRANSPARENT, TIME-BOUND AND EFFICIENT.

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#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by JNTU Act No. 30 of 2008) Kukatpally, Hyderabad – 500 085 Telangana (India) ACCREDITED BY NAAC WITH 'A' GRADE

Dr. V.Kamakshi Prasad M.Tech., Ph.D. (IIT-M), FIE, MCSI, LMISTE Professor of Computer Science and Engineering & DIRECTOR OF EVALUATION

#### Date:09-12-2019

#### To

The Principals of all the Affiliated and Constituent colleges offering B.Tech/B.Pharm courses JNT University Hyderabad

Sir,

Sub: JNTUH, Hyderabad – Examination Branch - II Year I Semester III Year I Semester & IV Year I Semester B.Tech / B.Pharmacy Computer Based Test (CBT) –Jan -2020-Notification – Instructions to the Principals-Reg.

All the Principals of the Affiliated and Constituent Colleges offering B.Tech / B.Pharmacy courses are hereby informed that the University Examination Branch issues notification for conduct of Computer Based Test (CBT) for II Year I Semester III Year I Semester & IV Year I Semester Computer Based Test (CBT) B.Tech/B.Pharmacy Regular students in the month of January-2020 who are absent for mid-term examination(s) conducted at the college. Further this CBT shall also be conducted for the student(s) who are transferred from other Universities/Autonomous colleges under JNTUH, and for the internal marks component of substitute subjects.

The students appearing for the above examination commencing from 22-1-2020 are informed to note the schedule given below. The CBT exam registration service will be available from 11-12-2019

This notification is issued for the conduct of following examinations:-

1	II B.Tech I Sem. (R18) - Regular
2	III B.Tech I Sem. (R16) - Regular
3	IV B.Tech 1 Sem. (R16) - Regular
4	II B.Pharm I Sem. (R17) - Regular
5	III B.Pharm I Sem. (R17) - Regular
6	IV B.Pharm I Sem. (R16) - Regular

STUDENT	REGISTRATION	and the second se	Provide the second s
EVENT	Start date of registration for Regular (at respective colleges)	Last date of registration for regular (at respective colleges	Date for Consolidated Fees Payment (Single RTGS TRANSFER For Regular, Exams
Exam Registration Without Late Fee	11-12-2019	18-12-2019	27-12-2019
Exam Registration With Late Fee of Rs.100/-	19-12-2019	23-12-2019	For
Exam Registration With Late Fee of Rs.1000/-	24-12-2019	24-12-2019	II Year I Sem III Year I Sem & IV Year I Sem

#### STUDENT REGISTRATION SCHEDULE

EXAMINATION FEE						
1.FOR ONE THEORY SUBJECT	Rs. 350/-					
2.FOR TWO THEORY SUBJECTS	Rs. 450/-					
3.FOR THREE THEORY SUBJECTS	Rs. 550/-					
4.FOR FOUR THEORY SUBJECTS and above (And also for ALL THEORY SUBJECTS)	Rs. 750/-					

#### The Principals are requested to note the following instructions.

- The Computer Based Test (CBT) is intended to benefit the students who were absent during the mid
  examination conducted at the college. Further this CBT shall also be conducted for the student who
  are transferred from other Universities/Autonomous colleges under JNTUH, and for the internal
  marks component of substitute subjects.
- The CBT will contain 25 objective questions from the entire syllabus of the subject and all are to be answered through online mode for 45 minutes duration for 25 marks (Each question carries 1 mark)
- 3. The transfer students from other Universities/institutions to JNTUH Affiliated Colleges who are on rolls are provided one chance to write the CBT(Internal examination) in the failed subjects and/ or subjects not studied as per the clearance letter issued by the University.
- The CBT will be conducted in limited number of centers based on the number of registrations and the details will be kept in the examination portal.
- The students who are interested to attend for the CBT have to register for the examination through web URL which has been using for B.Tech / B.Pharm Exam registrations with the same user ID and password from 11/12/2019, from exam registrations menu and CBT registration option (B.Tech:registrations1.jntuh.ac.in/olrbtech,registrations2.Jntuh.ac.in/olrbtech, registrations3.jntuh.ac.in/olrbtech) (B.Pharm : http://registrations3.jntuh.ac.in/olrbpharmacy)
- 6. In case of any difficulty regarding registrations please contact: 9704033577,9989980170 .

- 7. The Examination time Table and centers for the CBT will be notified later .
- Every college has to make the consolidated fees(CBT Exam. Registration Fee) payment for all the above examinations in the form of a single RTGS/NEFT/GRPT Transfer to the Registrar's Bank Account No.62079988622(State Bank Of India, JNTUH Campus Branch, IFSC/RTGS/GRPT Code:SBI0021008) on or before 27-12-2019 and submit the receipt of payment to the undersigned by 28-12-2019.
- The Principals are requested to display the same in the student notice board and inform the students without fail.
- 10. The Cooperation of the Principals is highly solicited for the smooth conduct of CBT .

Yours Sincerely,

#### Sd/-DIRECTOR OF EVALUATION

Date: 09-12-2019 Copy to: - CE, All ACEs. All B.Tech/B.Pharmcy affiliated Colleges (through Examination Portal). AR (EXAMS),SDC Section, Concerned Seat Clerk.

# SRI INDU INSTITUTE OF ENGINEERING & TECHNOLOGY(X3) B.Tech-II Year -I Semester-R18 Regulation -Computer Based Test

#### ELECTRONICS AND COMMUNICATION ENGINEERING

Without Late Fee

HTNO	NAME -CODE SU		TOTAL SUBJECT S	EXAM FEE	RETAINE D FEE	CONDON ATION FEE	PC FEE	NET FEE(Exa m Fee+Con donation Fee+PC Fee - Retained Fee)
18X31A04 08			5	750	0	0	0	750
		TOTAL	AMOUNT:	750	0	0	0	750

153AN	DIGITAL SYSTEM DESIGN
153AT	ELECTRONIC DEVICES AND CIRCUITS
153BH	NETWORK ANALYSIS AND TRANSMISSION LINES
153BQ	PROBABILITY THEORY AND STOCHASTIC PROCESSES
153BT	SIGNALS AND SYSTEMS

PRINCIPAL Page 4 of 38sheriguda(VIII), Ibrahimpatnam, R.R. Dist. Tetangana -501 510

# SRI INDU INSTITUTE OF ENGINEERING & TECHNOLOGY(X3) B.Tech-IV Year -I Semester-R16 Regulation -Computer Based Test

#### ELECTRONICS AND COMMUNICATION ENGINEERING

Without Late Fee

HTNO	STUDENT SUBJECT NAME -CODE		TOTAL SUBJECT S	EXAM FEE	RETAINE D FEE	CONDON ATION FEE	PC FEE	NET FEE(Exa m Fee+Con donation Fee+PC Fee - Retained Fee)
16X31A04 37	EDDANDI [137AP, 5 SHARAT 137BK, HKUMAR 137CH, 137EK, 137JD]	5	750	0	0	0	750	
		TOTAL	AMOUNT:	750	0	0	0	750

137AP	ARTIFICIAL INTELLIGENCE	
137BK	COMPUTER NETWORKS	
137CH	EMBEDDED SYSTEM DESIGN	
137EK	MICROWAVE ENGINEERING	
137JD	VLSI DESIGN	

Sri Indu Hostitute of Engineering & Tech Sheriguda(Vill), Ibrahimpatham, R.R. Dist, Tetangana, 401 510

Date: -2811/2019, Sheriguda.

TO

The HOD Sir,

ECE

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shearguda.

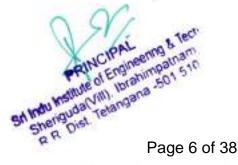
sub? regarding mid marks placed in the

Notice board

respected sir. I B. Lakshani priya bearing collNot 16x31A04 23 studying ECE 4th year for your college In mut mid-I received zomarks out of asmarks but in notice board it is displayed as absent so I request you to change my mid marks For notice board

Thanking you spr,

your's taithfully B. Lakshani priya 16 × 31 A0423



27/11/2019.

sheriguda.

To The HOD Sin Indu Suchitute of Englistech. Sheviguda.

Respected Six.

I T. Anusha bearing tell number 19×35A0421 in Electronics & Communication Engineering Department. Su NATL internal marks. I secured 12 marks out of 25 marks but display marks shown as absent. So I request you to madify display marks shown as absent. So I request you to madify the enternal marks of NATL & update it in the display. The enternal marks of NATL & update it in the display.

> Your's faith fully. T. Anushar 19X35 A0421.

Sh Indu Institute of Engineering & Tech shenguda(Vill), Ibrahimpatham, R.R. Dist. Tetengana -501 510

27/11/2019, Sheviguda.

To The HOD, Soi Indu Institute of Engineering & Technology, Sheriguda.

Respected Str.

I k. Lavanya bearing soll number 16x31AD468 in Electronics & Communication Englineering Department. In VLSID Internal marks, I secured 24 marsks out at 25 but in display marks was shown as 12 marsks instead of 24. So, I request you to madily the internal marks of VLSID & update it in the display.

Thanking you,

Your's fatthfully, K. Lowanya 16 X31 A0468.

Sri Indu Kostlute ol Engineering & Tech shenguda (VIII), Ibrahimpana Shenguda (VIII), Ibrahimpana R.R. Dist Tetangana, 501 510

Orte:-26/11/2019 Sheriguda

The HOD, ECE, SIIET, Sheriguda.

> sub: Regarding mid marks placed in the notice bound. Respected sin,

I, K. Amuktha bearing Roll No. 17×314045 studying ECE 3rd years in your college. In LDIC mid-I i secured 24 marks out of 25 marks, but in notice board it is displayed as 15 marks, but i request you to change my mid marks in notice board.

Thanking you sing

ndu restrute of cosmeering & fed shanguda(Vill), lotanimpatian Shanguda(Vill), lotanimpatian BR Dist Tetangana 501 510 BR Sit Indu Kalture of Engineering

Your's sincerely K. Amuktha, 17 X3140457 ECE

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26/11/2019 Sheriguda.

To The Hod, ECE SILET Sheriguda

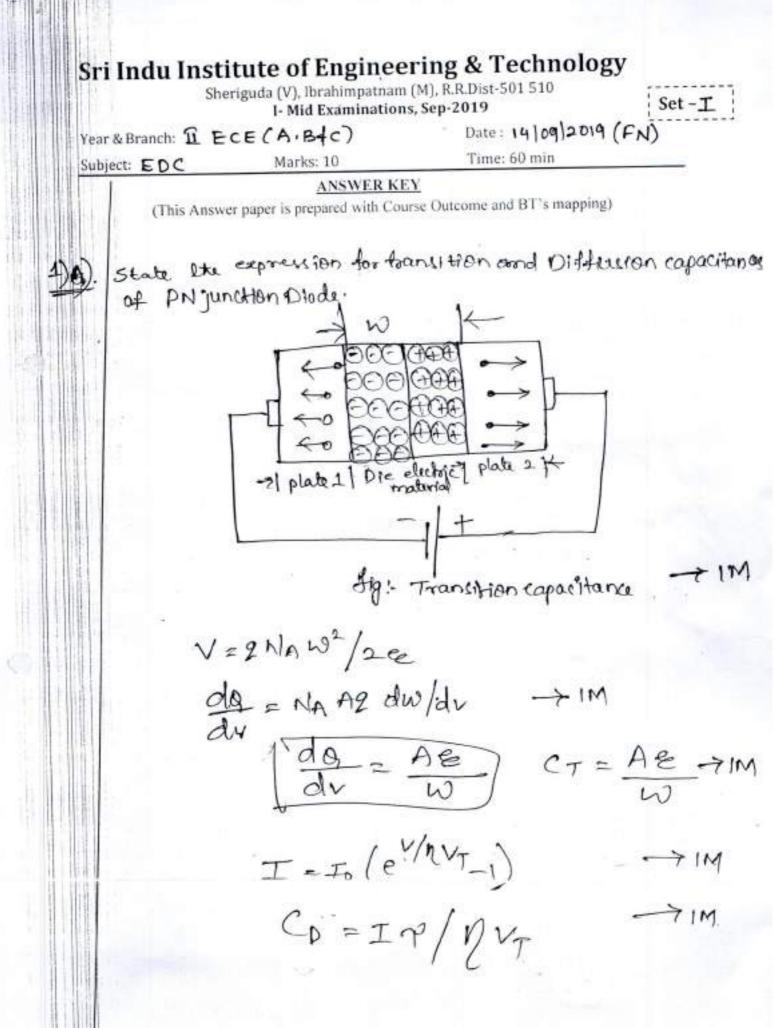
Sub: Regarding marks placed in the notice board Respected Sir,

I, T. Divyassee bearing Rollino 18×3140471 Studying ECE 2nd year in your college. In mid I got 23 marks out of 25 in EDE Celectronics devices & extr.) but in notice board placed only 13 marks. So, please 1 requesting you to change my mid marks in notice board

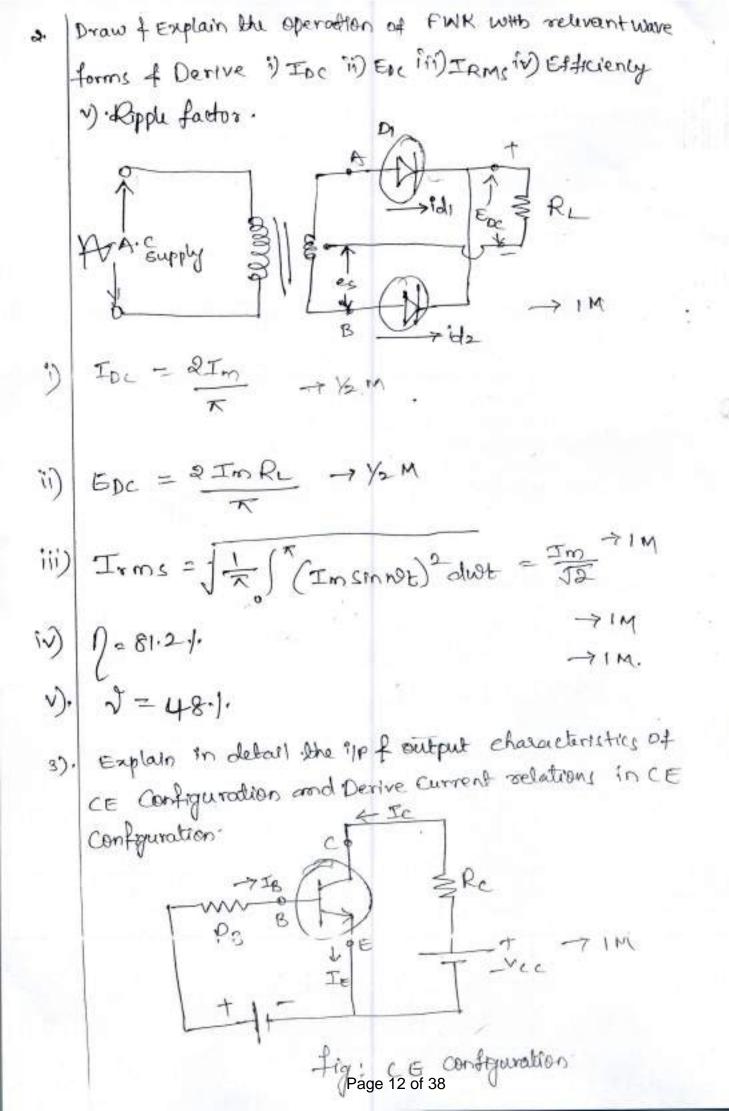
Thanking you Sur

Yours Sincerely, T. Osuyalree 18×31 A047) ECE

Shenguda (MI), Ibrahimpana 501 510 R.R. Diel, Tetergana 501 510



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B=Ic/IB. PRINCIPAL Sn Indu Institute of Engineering & Tech Sheriguda(VIII). Ibrahimpatham R.R. Dist. Tetangana .501 510 Page 14 of 38

# Sri Indu Institute of Engineering & Technology Sheriguda (V), Ibrahimpatnam (M), R.R.Dist-501 510 Set-1 II- Mid Examinations, Nov-2019 Date: 21/11/2019(FN) Year & Branch: II ECE-A, B, C & D Time: 60 min Marks: 10 Subject: PTSP ANSWER KEY (This Answer paper is prepared with Course Outcome and BT's mapping) I. Define (ross nower density spectrum and write its pronuties 501 ° ?) Sxy (w) = Syx (-w) moot- From FT relations of SXY(W) and EXY(T) SAYLW)= So RXYLT) = JUT do let T=-T SXY(W)= Sorxy(-t)ejwtaw :. exy(-t)= Ryx(t) SXY(W) = So RYX (T) = S(-W) T W $S_{4x}(-\omega) = \int_{0}^{\infty} r_{4x}(\tau) e^{\beta\omega T_{4}\omega} = \int_{0}^{\infty} r_{4x}(\tau) e^{\beta(-\omega)\tau} d\omega$ EIMANICS] $S_{XY}(\omega) = S_{YX}(-\omega)$ in) Thereal parts of Sxy (w) and the real part of SXX (w) are moot: sxy(w) = is exy(t) e fut we know even functions of to' Re [SKylw)] = 10 EXY(2) (05 widt = 50 RXY(2) (056widd) = RE[SYK(-W)] [2 marks] partob Syx(W)

no)

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Im Exy (w)= = - So Fxy(t) (m wildt NOW IM [SAY(-W)]= - Page 15 of 38 pruce sinwidt

$$Im [S_{XY}(\omega)] = -Im [S_{XY}(\omega)]$$

$$Im [S_{XY}(\omega)] is an add timution of  $\omega$  [marks]
$$S_{XY}(\omega) = 0 \text{ and } S_{YX}(\omega) = 0 \text{ if } x(1) \text{ and } Y(1) \text{ are orthogonal than}$$

$$R_{XY}(U) = K_{YX}(I) = 0 \text{ S}_{XY} = S_{YX} = 0 \text{ [a marks]}$$

$$(3) If x(1) \text{ and } Y(1) \text{ are interrelated (Independent) and have onsher intervalues X and Y then  $S_{XY}(\omega) = ITXY S(\omega)$ 

$$S_{XY}(\omega) = \int_{0}^{\infty} E[x(1)] e^{-i\omega}S_{UT}$$

$$= \int_{0}^{\infty} E[x(1)] e^{-i\omega}S_{UT}$$

$$S_{XY}(\omega) = \int_{0}^{\infty} E[x(1)] e^{-i\omega}T$$

$$= \int_{0}^{\infty} E[x(1)] e^{-i\omega}T$$

$$= \int_{0}^{\infty} X P e^{-i\omega}T d T = xTY S(\omega)$$

$$S_{XY}(\omega) = \int_{0}^{\infty} E[x(1)] E[Y(1+TI)] e^{-i\omega}T$$

$$= \int_{0}^{\infty} X P e^{-i\omega}T d T = xTY = \int_{0}^{\infty} e^{-i\omega}T d T$$

$$= \int_{0}^{\infty} X P e^{-i\omega}T d T = xTY = \int_{0}^{\infty} e^{-i\omega}T d T$$

$$S_{YY}(\omega) = -\overline{XY} = TTO(\omega)$$

$$S_{YY}(\omega) = -\overline{Y} = TTO(\omega)$$

$$S$$$$$$

= 
$$h^{n}$$
. A  $\begin{bmatrix} 1 \\ 4\pi \end{bmatrix} \begin{bmatrix} 2\pi \end{bmatrix} + 4 \text{ sen} (2(wot+0) + 0) \end{bmatrix}$   
=  $A^{2} \wedge 2 \begin{bmatrix} 1 \\ 4\pi \end{bmatrix} \begin{bmatrix} 2\pi \end{bmatrix} + 4 \text{ sen} (2(wt+2)) - 9 \text{ sen} (2(wot+0) + 0) \end{bmatrix}$   
=  $A^{2} \begin{bmatrix} 2\pi - 4\sin(2wt) \end{bmatrix}$   
Paug. =  $A^{2} \begin{bmatrix} 2\pi - 4\sin(2wt) \end{bmatrix}$   
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nosition process Itas theefore also called a counting hosting below tig (a) shows the science trunction of position country may the condition for a not ison mouse x (1) are 2. Only one event occurs in an intinite time interval 3. The number of events that occurs in any given time interval is Independent of the number events in any other non-overlapping sect) thme interval Fitzty t A not soon compting mouses E 2 marks]  $\rho(\mathbf{x}(t)=\mathbf{k})= \mathbf{e}^{\mathbf{k}} \mathbf{e}^{\mathbf{\lambda}t} (\mathbf{u}t)^{\mathbf{k}} \mathbf{k} = \mathbf{o}_{1}\mathbf{1}\mathbf{2} - -\mathbf{n} \cdot \mathbf{o}$ here a 12 querage occupance Ic is exactly occusionce. fx(x)= E CAt)kent S(x-k) (Imarks) go debine start sense start may movers and explain Soli- A random movers x(t) is said to be strict serve stationary it its Nthorder foint density function does not change with time of some fx (x,1x2-- x,0; t1,t2--tN)=fx (x,1x2--- xN; t1+Dt, --t,tAt in time value that is tor all t, its -- to and at (1 morning) A process that is stationary to all orders W= 1,2, -- N is called a strict sense strain may process 92 also a coss process but [2 marks] the converse is not true.

2

b) Debline joint wide cense stationary process and explain Solf consider two random meets as xitiand yet) It they are Sorntly wederense stage of atis then the cross correlation

tunction of xet and yet is a tunction of the time difference t=tz-t1 only and not absolute time that is the cross correlation tunction Elmance]

 $e_{xy}(t_1, t_2) = E[x(t_1)y(t_2)]$ 

It the time difference T=tr-ti and t=ti then

 $R_{XY}(t_1, t+t) = E[X(t), Y(t+t)] = R_{XY}(t)$ 

Therefore the condition for a process to be a sornt. [2 marks]

$$\begin{split} & [\exists \{x\}] = x = constant \\ & [\exists \{x\}] = y = constant \\ & [\exists \{x\}] = y = constant \\ & [\exists \{x\}] = y = constant \\ & [\exists \{x\}] = xy(t) \ \text{Ps} \ \text{Prodenendent} \ \text{Observed} \\ & [\exists [mentes]] \ \text{Prodenendent} \ \text{Observed} \end{split}$$

Sri Indu Institute of Engineering & Tech Sheriguda(Vill). Ibrahimpatham. R.R. Dist. Telangana -501 510



# **SRI INDU INSTITUTE OF ENGINEERING & TECHNOLOGY**

(Formerly RVR Institute of Engineering & Technology) ( Approved by AICTE New Delhi & Affiliated to JNTUH. Hyderabad) Sheriguda ( V), Ibrahimpatnam (M), R.R. District – 501510

# CERTIFICATE

This is to c	ertify that this i	s a bond	afide record a	of the work done by
Mr./Ms	( Thoruni Sxi	aler -		bearing
Roll No. 18x3Moys	_ of _ 2nd year	B.Tech/	M.Tech/MBA_	Electropics and Communication Branch
2-1	_Semester in the _	Basic	Simulation	Laboratory during
he academic year_	2019-2020	-		
lumber of experim	ents conducted:	15		

Staff member In-charge

12003 Internal Examiner

**External Examiner** 

M.O.D

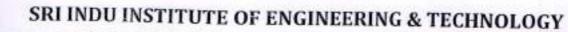
# SRI INDU INSTITUTE OF ENGINEERING & TECHNOLOGY

Sheriguda ( V), Ibrahimpatnam (M), R.R. District - 501510

DEPARTMENT OF Electronics and Compunication ENGINEERING

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	c) Unit Step Signal			
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Sheriguda (V), Ibrahimpatnam (M), R.R. District - 501510

DEPARTMENT OF \_\_\_\_\_ Electropics and Company Engineering

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BASIC OPERATIONS ON MATRICES.

>> Creating Vector /matrices :-

To Create a matrix in MATLAB, Use the brackets variables inside the brackets can be represented by ",", space, Semicolons where "," and spaces are rows seperations where as ";" are column Seperations.

for Example: >>a=[0,5,7] 9=[25 7] >> b=[3,4,2,5,7] 6=[34257] >>c = [2,3,4,5] C = 2 3 45

>> colon operation:

MATLAB colon operator is a compact way using to create vector.

-for Example :- >>A = 1:0:11115

A = 1.0000 1.1000 1.2000 1.3000

1.4000 1.5000

while oil is the increment.

If emitted it is assumed to be one >>B=1.5



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B= 1

2

3

4 5

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$$P = a + [1, 2, 3, 4; 3, 4; 5, 4, 5, 6; 3, 5, 9, 10]$$

$$a = \begin{bmatrix} 1 & 2 & 3 & 4 \\ 3 & 4 & 5 & 5 \\ 3 & 4 & 5 & 5 \\ 3 & 3 & 4 & 5 \\ 5 & 6 & 2 & 1 \\ 2 & 3 & 3 & 4 \end{bmatrix}$$

$$b = \begin{bmatrix} 2 & 3 & 4 & 5 \\ 5 & 6 & 2 & 1 \\ 2 & 3 & 3 & 4 \end{bmatrix}$$

$$b = \begin{bmatrix} 2 & 3 & 4 & 5 \\ 5 & 6 & 2 & 1 \\ 2 & 3 & 3 & 4 \end{bmatrix}$$

$$b = \begin{bmatrix} 2 & 3 & 4 & 5 \\ 5 & 6 & 2 & 1 \\ 2 & 3 & 3 & 4 \end{bmatrix}$$

$$b = \begin{bmatrix} 2 & 3 & 4 & 5 \\ 8 & 10 & 3 & 7 \\ 9 & 11 & 12 & 19 \end{bmatrix}$$

$$b = \begin{bmatrix} -1 & -1 & -1 \\ -2 & -2 & 3 & 5 \\ 5 & 5 & 6 & 6 \end{bmatrix}$$

$$b = \begin{bmatrix} 1 & -1 & -1 & -1 \\ -2 & -2 & 3 & 5 \\ 5 & 5 & 6 & 6 \end{bmatrix}$$

$$b = \begin{bmatrix} 1 & 2 & 3 \\ 3 & 4 & 5 \\ -3 & 8 & 9 \end{bmatrix}$$

$$b = \begin{bmatrix} 2 & 3 & 4 \\ 5 & 6 & 2 \\ 2 & 3 & 3 \end{bmatrix}$$

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Note :-

- -> Use 'who' command to list the currently active variables. -> Use 'clear' command to delete Variables from computer
- memory. > Suppress will print the result for of Every assignment [operator] operations unless Expressions, on right hind side is terminated with a Bemicolon.
- -> create some basic matrices using MATLAB building functions

Ones, zeroes, eye >>a = zeroes (2,2)

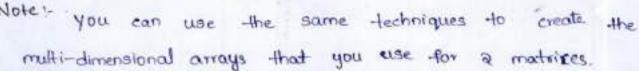
a = 00 00 >>b = DOES (1,1)

bel >>c = eye (2) C= 10

Determine eige of matrix :-

>> size (b) ans = 2 >> length = (b) ans FR

0 1





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>> c=a\*b

C =	18	24	19
-	36	48	35
	92	96	-71

>> d=a/b

d =	-0.3883	- 0.8333	1.6667
	2.3333	0+3333	-1.6669
	7.6667	1.6667	-8.3333

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9

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0

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>> sin (o)

ans = 0.

```
>>sin(pi/u)
ans=
```

0.2071

```
>> cxp(o)
ans=1
```

```
>> exp(1)
ans=
```

2.7183

>> log(0)

ans = -Inf

(03 nl<<

undefined function or variable 'In'

a = 2.0000 +3.0001

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Indexing Vectors (or) matrices:

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Once a vector/a matrix is created you might needed to create Estatat only a subset of the data, and this is done through indexing. To index, use paranthesis after the name of the included in paranthesis.

> ex:- >>c = eye (3) >>c (1:2, 2:3) ans = 0 0 10

Indexing matrices using colon operator returns all elements of the indexed plance.

```
>> c= eyets);
>> c = (1,:)
```

```
ans = 100.
```

Matrix Operations and Elements by Element Operators. we can compute matrix +,-,\*, inverse (in v) easily in MATLAB.

for Example: >>A =  $[v \ 3 \ 4 \ 5]$ >>B = ones (z, z); >>C = B\* inv(A); ans C = -0.5000 0.5000 -0.5000 0.5000



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$$\sum_{\alpha,\beta} \sum_{\beta} \sum_{\beta \in \alpha} \sum_{\beta \in \beta} \sum_{\alpha \in \beta}$$

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Sometimes it is useful to perform algebric operations on all of the entries of the matrix. This is done in matian by using the Element by Element operations, which is usually proceeded by a dot, Expect for -1, - Specially they are +1-1 + 7.7.

Example:->>a = [1:2:3] >>b= [4:5:6] >>a, \*b; ans=4 10 18

>> programming in marlas:-

Soon after you become interactively you will probably grew fixed of -lyping the same sequence of commands in order to perform routine tasks. when this happens you will be ready to start programming in MATLAB, There are a types of mathab programmes these are scripts and functions.

> Scripts:-

These are nothing more than a sequence of commands stored as a text file with in extention such writing is usually above done in matian built in editor some useful functions that are often used in scripts for two ps.



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$$y = a^{d}$$

$$b = \begin{bmatrix} 1 & 3 \\ 2 & 4 \end{bmatrix}$$

$$y > c = dtag(a)$$

$$c = \begin{bmatrix} 4 \\ 4 \end{bmatrix}$$

$$y > a = \begin{bmatrix} 1 & 3 & 4 \\ 3 & 4 & 2 \\ 3 & 9 & 4 \end{bmatrix}$$

$$a = \begin{bmatrix} a & 2 & 3 & 4 \\ 3 & 4 & 2 & 2 \\ 3 & 9 & 4 \end{bmatrix}$$

$$y > b = a(1;2;4)$$

$$b = \begin{bmatrix} a & 3 & 4 \\ 3 & 3 & 4 \end{bmatrix}$$

$$y > b = a(1;2;4)$$

$$b = \begin{bmatrix} a & 9 & 4 \\ 4 & 2 & 3 \\ 3 & 3 & 4 \end{bmatrix}$$

$$y > d = a(2i3y;1)$$

$$d = \begin{bmatrix} 3 & 4 & 2 \\ 3 & 3 & 3 & 4 \end{bmatrix}$$

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vohile loops.

if -else -end structure ...

You can check the syntax for matlab help menu. Advices:

write comments in your acripts. Note the comments must be followed by 7.

Ruming scripts:-

Save the scripts in the present working direction then it can be run simply by typing its name at mittable command prompt or press run icon on the m bar of the script.

> functions:-

MATLAB has lots of built - in function which allows you can call them directly.

Besides you can write functions files by yourself. Function files also have in Expression. The biggest difference blue scripts 21 functions in that functions have input 21 output parameters.



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	Basic operations on matrices Hostights
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