

Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

ESTD: 2002



2020-21

Assignment

Sri Shridevi Charitable Trust (R.)

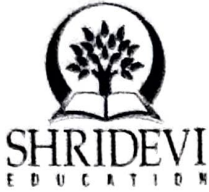
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(An ISO 9001:2008 Certified Institution)

(Recognized by Govt. of Karnataka)

Affiliated to VTU, Belagavi & Approved by the AICTE, New Delhi

NH-4, Sira Road, TUMAKURU - 572106, Karnataka.



DEPARTMENT OFMATHEMATICS.....

ASSIGNMENT BOOK

A₁-10
A₂-10
A₃-10
Aug-10

Name : Mr. / Ms.ABHISHEK B.....

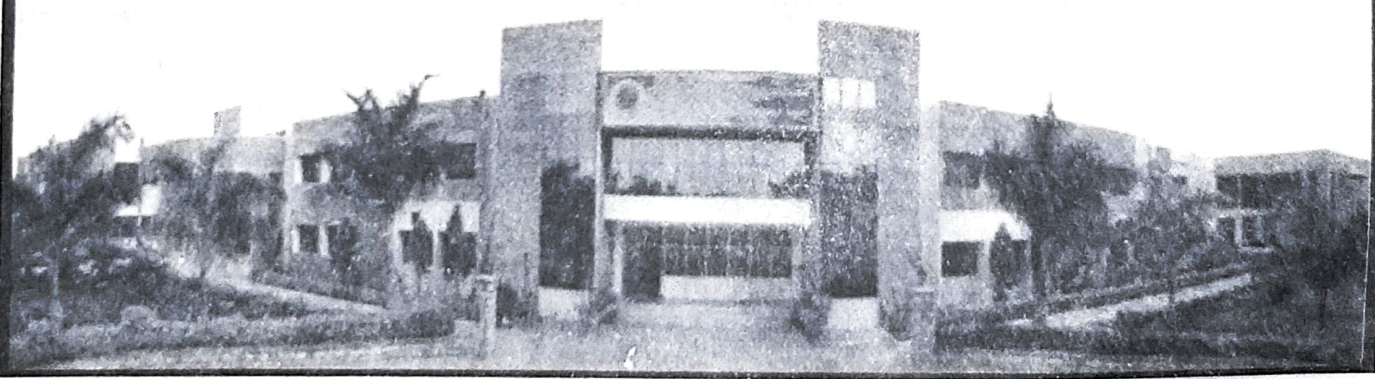
Course : Calculus And Linear Algebra.....

Course Code :18MAT1.....





Semester :I sem.....

USN :

1	5	V	2	0	E	C	0	0	1
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ASSIGNMENT MARKS

Date	Assignment No.	Max. Marks	Marks Obtained	Course Instructor Signature
15/02/2021	1	10	10	
15/03/2021	2	10	10	
07/04/2021	3	10	10	
	4			
	5			
	Average	10	10	

CERTIFICATE

This is to certify that Mr./Ms. ABHISHEK B.....
 with USN 15V20EC001.....has satisfactorily completed the course of
 assignments in the subject of Calculus and Linear Algebra..... as prescribed
 by the Visvesvaraya Technological University for the 1st.....year / semester
BE.....B.E. / M.Tech. MBA degree course in the year 2020 - 2021

Abhishek B
Signature of the
Student


Course Instructor


Head of the
Department

2020-2021



Department of Chemistry

Subject: Engineering Chemistry

Sem/ Sec: I/ C

Assignments-1

1. Derive Nernst equation for single electrode potential
2. Explain the construction, working and advantages of Calomel electrode.
3. Calculate the emf of the cell $\text{Fe} / \text{Fe}^{++} (0.01) // \text{Ag}^+ (0.1) / \text{Ag}$ at 298K if standard electrode potentials of Fe and Ag electrodes are -0.42 and 0.8 V respectively.
4. Explain the Construction and working of Glass electrode?
5. Explain the construction, working and uses of Ni-MH battery
6. An electrolytic concentration cell is constructed by coupling two half cell in which two Cadmium electrodes are immersed CdSO₄ solution. The concentration of CdSO₄ in one of the half cell is 100 times greater than the other. Write the cell representation, cell reactions and calculate the voltage of the cell at 298K
7. Explain the anodizing process of aluminium
8. What is metal finishing? Mention the technological importance of metal finishing
9. What are electrolytic concentration cells?
10. Explain the electrochemical theory of corrosion
11. Explain the electroless plating of copper and mention its applications
12. Explain the electro plating process of chromium and mention its applications

H.O.D
Dept. of Chemistry
S.I.E.T., TUMKUR -6

PRINCIPAL
SIET., TUMAKURU.



SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY



Department of Chemistry

Subject: Engineering Chemistry

Sem/ Sec: I/ C

Assignments-2

1. Explain the determination of Calorific value of solid fuel using Bomb calorimeter
2. What is knocking of petrol engine? Explain the mechanism of knocking.
3. A coal sample with 93% of carbon, 5% of hydrogen, 2% of ash is subjected to combustion in a bomb calorimeter the following data is obtained. Calculate GCV and NCV of the sample. Mass of the coal sample is 0.95g, mass of the water in copper calorimeter is 2000g. water equivalent weight of calorimeter is 700g. rise in temperature is 2.8°C. specific heat of water is 1 cal/g°C.
4. Explain the construction, working and uses of Methanol oxygen fuel cell
5. Explain the construction, working and uses of solid oxide fuel cells
6. Explain the construction, working of photo voltaic cell.

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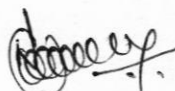
Department of Chemistry

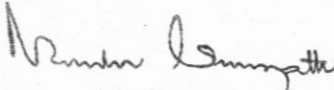
Subject: Engineering Chemistry

Sem/ Sec: I/ C

Assignments-3

1. Explain the corrosion of boiler due to CO_2 , MgCl_2 dissolved oxygen.
2. What is desalination of water? explain reverse osmosis process.
3. Explain the determination of sulfate content of water by gravimetric method.
4. Write a note on scales and sludge formed in the boiler.
5. Explain the secondary sewage treatment method.
6. Explain the theory, instrumentation and applications of colorimetry?
7. Explain the titration curves for 1) Strong acid vs Strong base
2) Weak acid v/s Strong base
8. Explain the properties and application of Graphene?
9. Explain the theory, instrumentation and applications of Potentiometry?
10. Explain the synthesis of nanomaterial by sol gel process
11. Write a note on Fullerenes. Mention its applications


H.O.D
Dept. of Chemistry
S.I.E.T., TUMKUR -6


PRINCIPAL
SIET., TUMAKURU.



Department of Chemistry

Subject: Engineering Chemistry

Sem/ Sec: II/ A & B

Assignments-1

1. Derive Nernst equation for single electrode potential
2. Explain the construction, working and uses of Ni-MH battery
3. An electrolytic concentration cell is constructed by coupling two half cell in which two Cadmium electrodes are immersed CdSO₄ solution. The concentration of CdSO₄ in one of the half cell is 100 times greater than the other. Write the cell representation, cell reactions and calculate the voltage of the cell at 298K
4. Define corrosion? Explain the electrochemical theory of corrosion
5. Explain the anodizing process of aluminium
6. What is metal finishing? Mention the technological importance of metal finishing

H.O.D

Dept. of Chemistry
S.I.E.T., TUMKUR -6

PRINCIPAL
SIET., TUMAKURU.



Department of Chemistry

Subject: Engineering Chemistry

Sem/ Sec: II/ A & B

Assignments-2

1. Explain the determination of Calorific value of solid fuel using Bomb calorimeter
2. Define chemical fuel? Explain the classification of chemical fuel with examples
3. A coal sample with 93% of carbon, 5% of hydrogen, 2% of ash is subjected to combustion in a bomb calorimeter the following data is obtained. Calculate GCV and NCV of the sample. Mass of the coal sample is 0.95g, mass of the water in copper calorimeter is 2000g. water equivalent weight of calorimeter is 700g. rise in temperature is 2.8°C. specific heat of water is 1cal/g°C.
4. What is knocking of petrol engine? Explain the mechanism of knocking.
5. Define Calorific Value and explain the types?
6. Write a note on a) Power alcohol b) Biodiesel
7. What are fuel cells? Mention the differences between fuel cells and conventional cells.
8. Explain the construction, working and uses of Methanol oxygen fuel cell
9. Explain the construction, working and uses of solid oxide fuel cells
10. What are Photovoltaic cells? Mention the Advantages and Disadvantage
11. Explain the construction and working of photovoltaic cells
12. When 0.84g of coal was burnt completely in Bomb calorimeter the increase in temp of 2655 grams of water was 1.85°C if the water equivalent calorimeter is 156g Calculate GCV.

H.O.D

Dept. of Chemistry
S.I.E.T., TUMKUR -6

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Department of Chemistry

Subject: Engineering Chemistry

Sem/ Sec: II/ A & B

Assignments-3

1. Define terms a) Free energy b) Entropy c) Cell potential
2. What are ion selective electrodes? Explain the construction of ion selective electrodes.
3. A cell is constructed by coupling Ni electrode dipped in 0.01 M NiSO₄ and Pb electrode dipped in 0.5 M PbSO₄. Write the cell representation, cell reaction. Calculate the EMF of cell, given that reduction potentials of Ni and Pb are - 0.24 and - 0.13 volt respectively.
4. An electrolytic concentration cell is constructed by coupling two half cell in which two Cadmium electrodes are immersed CdSO₄ solution. The concentration of CdSO₄ in one of half cell is 10 times greater than other. Write the cell representation, cell reactions and calculate the voltage of the cell at 298K.
5. Define Battery and explain the classification of batteries.
6. Explain the construction and working and uses of Lithium ion batteries
7. Explain the differential metal corrosion. Give example
8. Explain the effect of the following factors on the rate of corrosion i) Nature of corrosion product ii) Temperature iii) pH
9. What is Electro less plating? Distinction between Electro plating and Electro less plating.
10. Explain the process of galvanization. Mention the uses of galvanization.
11. An electrolytic concentration cell is constructed by coupling two half cell in which two Aluminium electrodes are immersed in 0.1M Al₂(SO₄)₃ and 10 M Al₂(SO₄)₃ solution. Write the cell representation, cell reactions and calculate the voltage of the cell at 25°C.
12. Explain the construction and working of photovoltaic cells

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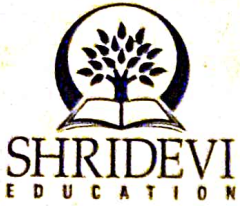
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NH-4, Sira Road, TUMAKURU - 572106, Karnataka.



DEPARTMENT OF *Electronics & Communication*

ASSIGNMENT BOOK

Name : Mr. / Ms. *HARSHITHA, M*

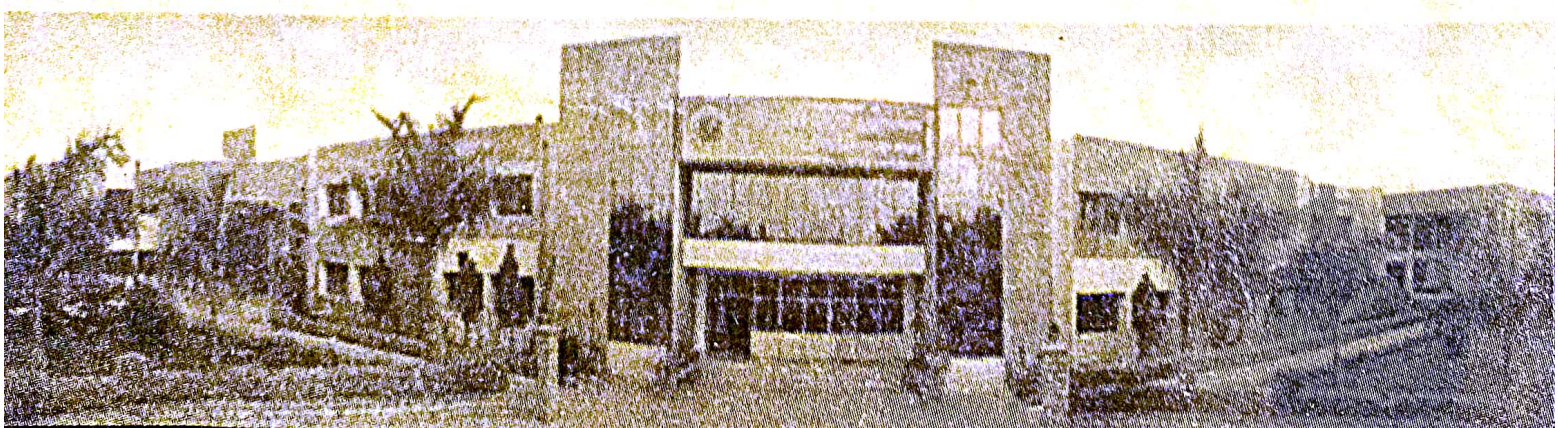
Subject : *Management and entrepreneurship*

Subject Code : *18ES51*

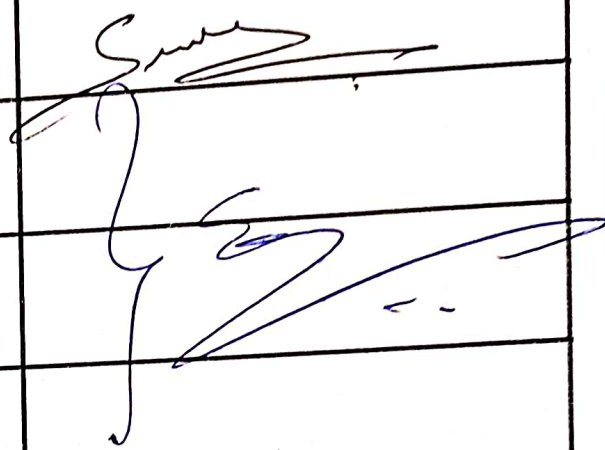
Semester : *Vth*

USN :


1	S	V	1	9	E	C	O	1	3
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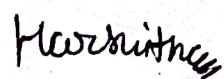
ASSIGNMENT MARKS

Date	Assignment No.	Max. Marks	Marks Obtained	Course Instructor Signature
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22/12/21	2	10	10	
04/02/22	3	10	10	
	4			
	5			
	Average			

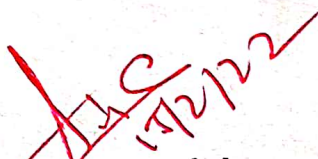
CERTIFICATE

10/10


This is to certify that Mr./Ms. HARSHITHA . M
 with USN 15V19ECO13 has satisfactorily completed the course of
 assignments in the subject of management & entrepreneurship as prescribed
 by the Visvesvaraya Technological University for the 3rd year / semester
Ith B.E. / M.Tech. MBA degree course in the year 2020-2021


 Signature of the Student


 Course Instructor


 Head of the Department

2020-21

Sri Shridevi Charitable Trust (R.)

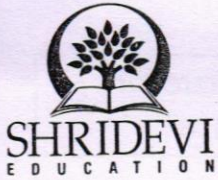
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NH-4, Sira Road, TUMAKURU - 572106, Karnataka.



DEPARTMENT OF CPS

ASSIGNMENT BOOK

Name : Mr. / Ms. Dipendra Kumar Pandit

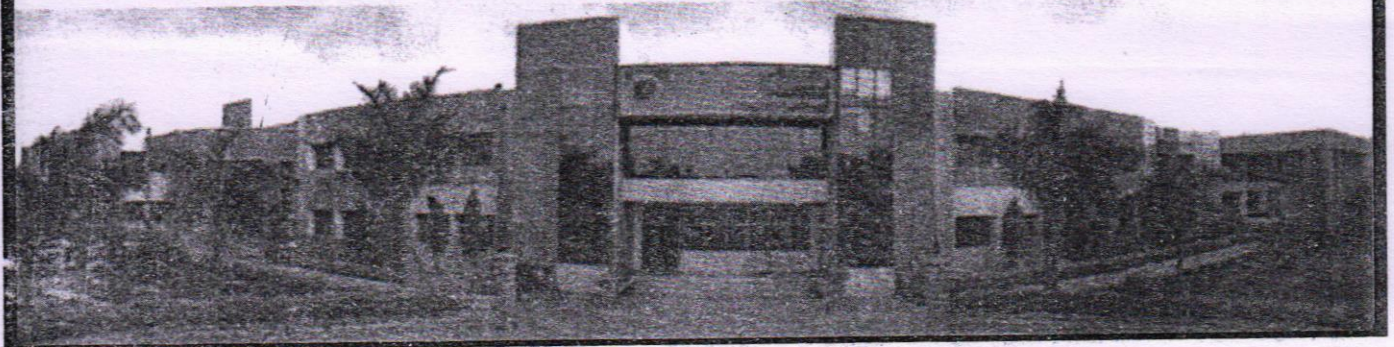
Course : B.E CIVIL

Course Code :

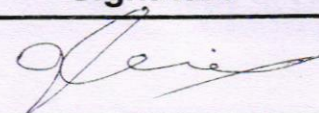
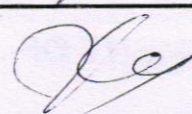

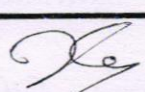
Semester : 1st

USN :

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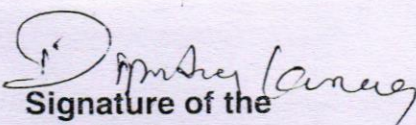


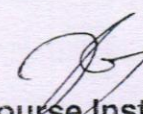
ASSIGNMENT MARKS

Date	Assignment No.	Max. Marks	Marks Obtained	Course Instructor Signature
17-02-21	1	10	07	
20/3/21	2	10	10	
10/8/21	3	10	10	
	4			
	5			
16/12/21	Average	10	10	

CERTIFICATE

This is to certify that Mr./Ms. Dipankar Kumar Pandey
 with USN 18SV20CV003 has satisfactorily completed the course of
 assignments in the subject of Designing for product Safety as prescribed
 by the Visvesvaraya Technological University for the 1st Sem year / semester
 B.E. / M.Tech. MBA degree course in the year 2020-20 21


 Signature of the Student


 Course Instructor

Head of the Department

Sri Shridevi Charitable Trust (R.)

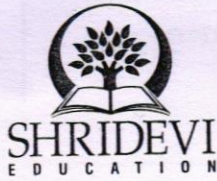
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NH-4, Sira Road, TUMAKURU - 572106, Karnataka.



DEPARTMENT OF *Civil Engineering*

ASSIGNMENT BOOK

Name : Mr. / Ms. *Yamuna.M*

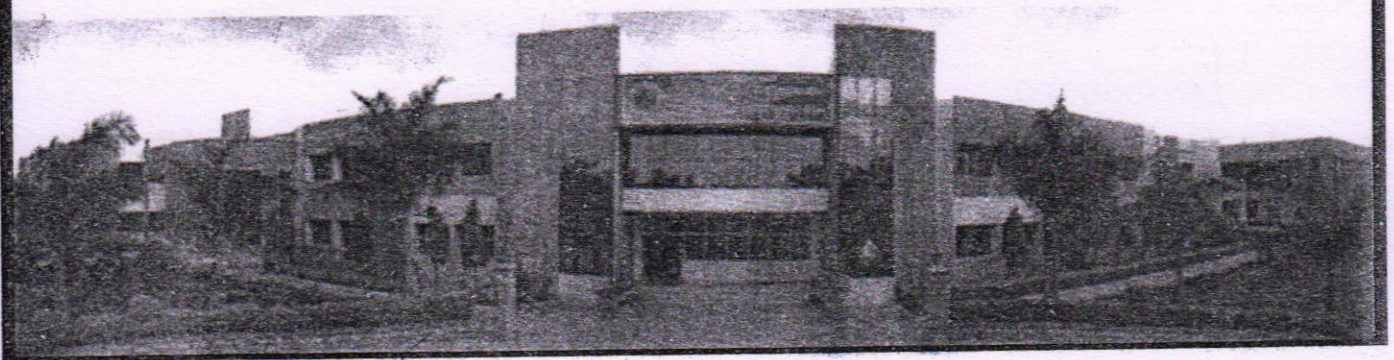
Course : *C-Program for Problem Solving*

Course Code : *18CPS13*




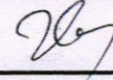
Semester : *Ist*

USN :

<i>1</i>	<i>S</i>	<i>V</i>	<i>2</i>	<i>0</i>	<i>C</i>	<i>V</i>	<i>0</i>	<i>1</i>	<i>4</i>
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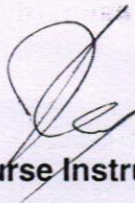
ASSIGNMENT MARKS

Date	Assignment No.	Max. Marks	Marks Obtained	Course Instructor Signature
18/2	1	10	10	
20/3	2	10	10	
10/4	3	10	10	
	4			
	5			
16/4	Average	10	10	

CERTIFICATE

This is to certify that Mr./Ms. Yamuna.M
 with USN 15V20CV014 has satisfactorily completed the course of
 assignments in the subject of C programming for problem solving (18CPS13) as prescribed
 by the Visvesvaraya Technological University for the 1st/2nd year / semester
B.E. / M.Tech. MBA degree course in the year 2020 -2021

Yamuna.M
 Signature of the
 Student


 Course Instructor

Head of the
 Department

Sri Shridevi Charitable Trust (R.)

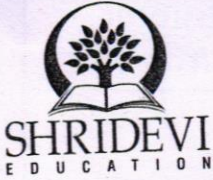
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NH-4, Sira Road, TUMAKURU - 572106, Karnataka.



DEPARTMENT OF

ASSIGNMENT BOOK

Name : Mr. / Ms. ABHISHEK-B

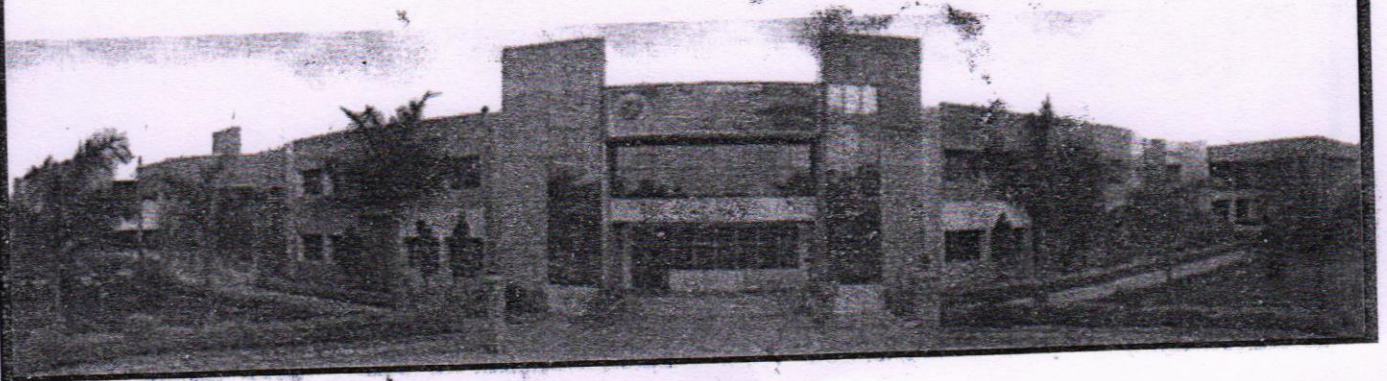
Course : C. Programming For problem solving

Course Code :

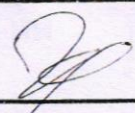
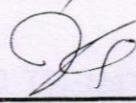

Semester : 1st

USN :

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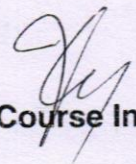
ASSIGNMENT MARKS

Date	Assignment No.	Max. Marks	Marks Obtained	Course Instructor Signature
18/2	1	10	09	
21/3	2	10	10	
9/4	3	10	10	
	4			
	5			
	Average			

CERTIFICATE

This is to certify that Mr./Ms. Abhishek B.....
 with USN 15V90EC021.....has satisfactorily completed the course of 18EPS13
 assignments in the subject of C Programming For Problem Solving..... as prescribed
 by the Visvesvaraya Technological University for the 1st.....year / semester
1st.....B.E. / M. Tech. MBA degree course in the year 2020-2021

Abhishek B
Signature of the Student


Course Instructor

Head of the Department

2020-21

DSE

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NH-4, Sira Road, TUMAKURU - 572106, Karnataka.



DEPARTMENT OF Civil Engg

ASSIGNMENT BOOK

Name : Mr. / Ms. Kiran P. Neral

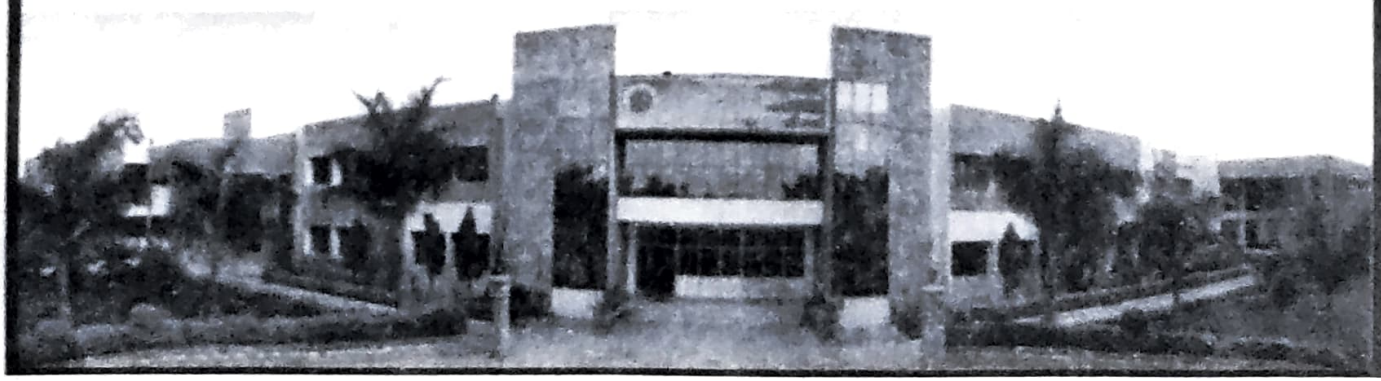
Course : Design of Steel Structural Elements

Course Code : 17CV62





Semester : VI

USN :

1	S	V	I	8	C	V	4	0	7
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ASSIGNMENT MARKS

Date	Assignment No.	Max. Marks	Marks Obtained	Course Instructor Signature
	1	10	10	
	2	10	10	
	3	10	10	
	4			
	5			
	Average	10	10	

CERTIFICATE

This is to certify that Mr./Ms. Karan P. Maral
 with USN 15U18CV007 has satisfactorily completed the course of
 assignments in the subject of Design of steel structural Elements as prescribed
 by the Visvesvaraya Technological University for the IIIrd / IVth year / semester
over B.E. / M.Tech. MBA degree course in the year 2020-2021


Signature of the Student


Course Instructor

Head of the Department

Sri Shridevi Charitable Trust (R.)

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NH-4, Sira Road, TUMAKURU - 572106, Karnataka.



DEPARTMENT OF CIVIL ENGINEERING

ASSIGNMENT BOOK

Name : Mr. / Ms. VINAY MK

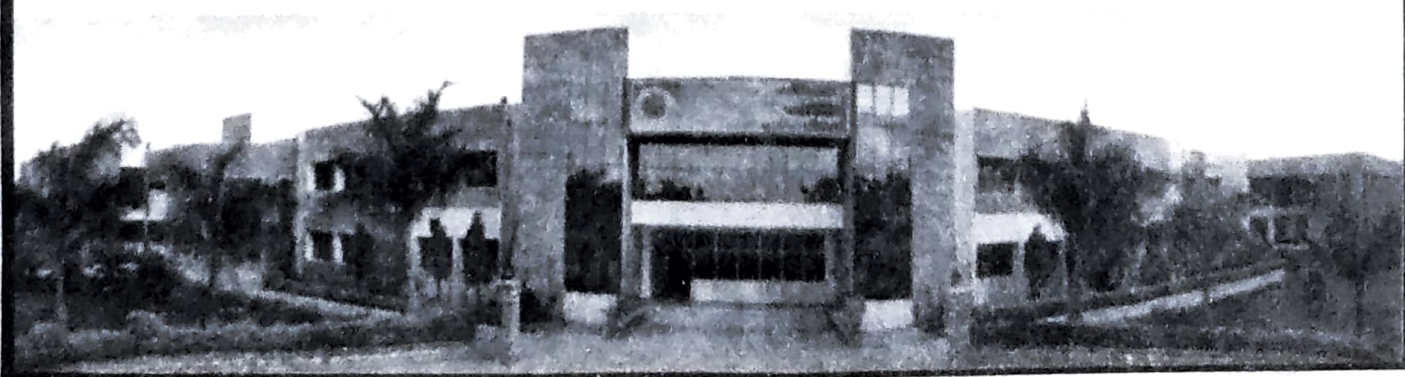
Course : Design of steel structural Engineering

Course Code : 17CV62



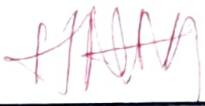

Semester : VIth

USN :

1	S	V	1	8	C	V	4	1	9
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ASSIGNMENT MARKS

Date	Assignment No.	Max. Marks	Marks Obtained	Course Instructor Signature
	1	10	10	
	2	10	10	
	3	10	10	
	4			
	5			
	Average	10	10	

CERTIFICATE

This is to certify that Mr./Ms. Vinay N.k

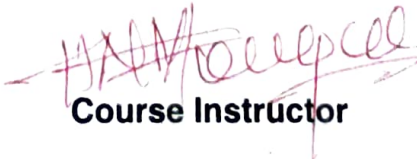
with USN 1SV18CV419has satisfactorily completed the course of

assignments in the subject of Designed structure Engineering as prescribed

by the Visvesvaraya Technological University for the Vth year / semester

.....B.E. / M.Tech. MBA degree course in the year 2020-2021


Signature of the Student


Course Instructor

Head of the Department

Sri Shridevi Charitable Trust (R.)

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NH-4, Sira Road, TUMAKURU - 572106, Karnataka.



DEPARTMENT OF CIVIL ENGINEERING

ASSIGNMENT BOOK

Name : Mr. / Ms. SHASHIKANT DODDAKURUBAR

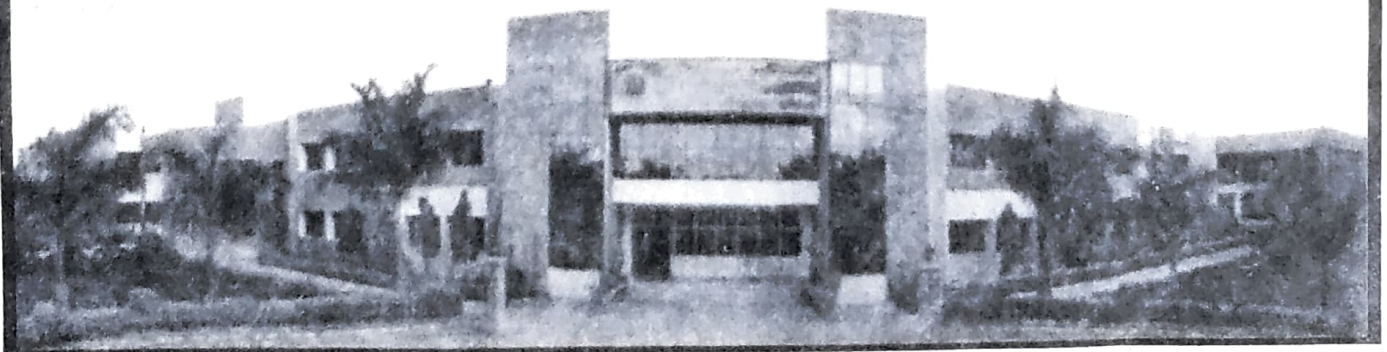
Course : Design of steel structural Element

Course Code : 17EV62

Semester : 6th

USN :

1	8	4	1	8	0	4	1	4
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ASSIGNMENT MARKS

Date	Assignment No.	Max. Marks	Marks Obtained	Course Instructor Signature
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	2	10	10	<i>[Signature]</i>
	3	10	10	<i>[Signature]</i>
	4			
	5			
	Average	10	10	<i>[Signature]</i>

CERTIFICATE

This is to certify that Mr./Ms. SHASHIKANT. DODDARURUBAR.....
 with USN 15V18CV414.....has satisfactorily completed the course of
 assignments in the subject of Design of steel structural elements as prescribed
 by the Visvesvaraya Technological University for the 3rd / 6th.....year / semester
B.E.....~~B.E. / M.Tech. MBA~~ degree course in the year 2020-2021

[Signature]
Signature of the Student

[Signature]
Course Instructor

Head of the Department