

Chirala,

02-02-2023

From

DR. Y. SOWJANYA KUMARI
HOD
Department Of CSE
Chirala Engineering College
Chirala

To

The Principal
Chirala Engineering College
Chirala

SUB:-Requisition for permission to conducting add-on course Regd.

Respected Sir,

We want to conduct add on course to IV&III B. Tech on "IOT and Applications" course which is useful for the students fore there projects as well as for future. So I request to kindly consider it and give us approval to conduct add-on course for one week.

Thanking you,

J. Sowjanya
You're Sincerely
DR. Y. SOWJANYA KUMARI
Head of the Department
Department Of CSE
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

Approved
[Signature]
PRINCIPAL
CHIRALA ENGINEERING COLLEGE
CHIRALA.



Chirala,

03-02-2023

To


Mr. B. Benarji
Professor
KL University
Guntur

Respected Sir,

SUB:-Requisition for conducting Workshop-Regd

We, the Department of Computer Science & Engineering, Chirala Engineering College, Chirala would like to conduct a work shop on **"IOT AND APPLICATIONS"** from 05-02-2023 to 09-02-2023 timings from 09.00 AM to 04.00 PM as per your convenience and available time. In this regard, we request you to educate our students and do the needful so that our students can avail an opportunity to get self-benefit.

Thanking you,


Head of the Department
Department of C.S.E.
Yours Truly,
DIRYAL SOWMIANYA KUMARI
CHIRALA ENGINEERING COLLEGE
CHIRALA-525017

To
The Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Respected Sir,

Sub:-Acceptance to conduct Add-On Course-Reg.

Ref:-Requisition letter from HOD of CSE Department, Chirala Engineering College

I, Mr. B. Benarji, Professor, KL University, Guntur would feel happy for choosing me to conduct an Add-On Course on **“IOT AND APPLICATIONS”** as a part of teaching-learning process. I am herewith accepting to conduct the Add-On Course for III & IV year B.Tech CSE students as per your convenient dates.

Thanks

Yours sincerely,
Mr. B. Benarji
Professor
KL University
Guntur



CHIRALA ENGINEERING COLLEGE

Where Professionalism Speaks

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Department of Computer Science & Engineering

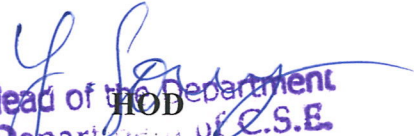
CIRCULAR

03-02-2023

ORIGINATOR	HOD CSE
CIRCULATED TO	III & IV B. Tech – II Semester

Sub: Add-on Program – IOT AND APPLICATIONS – III & IV year B. Tech Students from 16-09-2022 TO 20-09-2022

Department of Computer Science Engineering offers **Add-on Program** for all III & IV B. Tech students on **“IOT AND APPLICATIONS”**. Those who are interested may register their names in the department of CSE.


Head of the Department
HOD
Department of C.S.E.
DEPARTMENT OF CSE
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

Copy to

CSE class rooms

Department Notice board,

Co-coordinator.



Chirala,

02-02-2023

From

Dr. Y. Sowjanya kumari
HOD
Department Of CSE
Chirala Engineering College
Chirala

To

The Principal
Chirala Engineering College
Chirala

SUB:-Requisition for permission to conducting add-on course Regd.

Respected Sir,

We want to conduct add on course to II IT on "Introduction to data Engineering" course which is useful for the students fore there projects as well as for future. So I request to kindly consider it and give us approval to conduct add-on course for one week.

Thanking you,

Y. Sowjanya
Head of the Department
Department of CSE
Chirala Engineering College
Chirala
157

Approved
[Signature]
PRINCIPAL
CHIRALA ENGINEERING COLLEGE
CHIRALA.



To

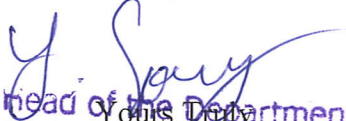
Mr. V.B.N.AJAY
Associate Professor
N.V.R.College Of Engineering and Technology, Tenali.

Respected Sir,

SUB:-Requisition for conducting Workshop-Regd

We, the Department of Computer Science & Engineering, Chirala Engineering College, Chirala would like to conduct a work shop on **“Introduction to data engineering”** from 05-02-2023 to 09-02-2023 timings from 09.00 AM to 04.00 PM as per your convenience and available time. In this regard, we request you to educate our students and do the needful so that our students can avail an opportunity to get self-benefit.

Thanking you,


Head of the Department
Department of CSE
Dr. Y. SOWJANYA KUMARI
(HOD-CSE)
CHIRALA ENGINEERING COLLEGE
CHIRALA-523157

To
The Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Respected Sir,

Sub:-Acceptance to conduct Add-On Course-Reg.

Ref:-Requisition letter from HOD of CSE Department, Chirala Engineering College

I, Mr. V. B. N Ajay, Assistant Professor, N. V. R. College of Engineering and Technology, Tenali would feel happy for choosing me to conduct an Add-On Course on **“INTRODUCTION TO DATA ENGINEERING”** as a part of teaching-learning process. I am herewith accepting to conduct the Add-On Course for II year B. Tech IT students as per your convenient dates.

Thanks

Yours sincerely,

Mr. V. B. N Ajay

Associate Professor

N. V. R. College Of Engineering and Technology, Tenali.



CHIRALA ENGINEERING COLLEGE

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Department of Computer Science & Engineering

CIRCULAR

03-02-2023

ORIGINATOR	HOD CSE
CIRCULATED TO	II B. Tech – II Semester

Sub: Add-on Program – INTRODUCTION TO DATA ENGINEERING – II year

B. Tech IT Students from 05-02-2023 to 09-02-2023.

Department of Computer Science Engineering offers **Add-on Program** for all B. Tech

II year students on “**INTRODUCTION TO DATA ENGINEERING**”. Those who are interested may register their names in the department of CSE.

J. Jay
HOD
Head of the Department
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

Copy to

CSE class rooms

Department Notice board,

Co-coordinator.

[Signature]

Chirala,

13-09-2022

From

Dr. Y. Sowjanya kumari
HOD
Department Of CSE
Chirala Engineering College
Chirala

To

The Principal
Chirala Engineering College
Chirala

SUB:-Requisition for permission to conducting add-on course Regd.

Respected Sir,

We want to conduct add on course to I, III& IV B. Tech on “Introduction to data Engineering” course which is useful for the students fore there projects as well as for future. So I request to kindly consider it and give us approval to conduct add-on course for one week.

Thanking you,

Y. Sowjanya
Head of the Department
Department of C.S.E.
Dr. Y. SOWJANYA KUMARI
CHIRALA ENGINEERING COLLEGE
(HOD-CSE) 23157

Approved
[Signature]
PRINCIPAL
CHIRALA ENGINEERING COLLEGE
CHIRALA.



13-09-2022

To


Mr. V.B.N.AJAY
Associate Professor
N. V. R. College Of Engineering and Technology,
Tenali.

Respected Sir,

SUB:-Requisition for conducting Workshop-Regd

We, the Department of Computer Science & Engineering, Chirala Engineering College, Chirala would like to conduct a work shop on **“Introduction to data engineering”** from 16-09-2022 to 20-09-2022 timings from 09.00 AM to 04.00 PM as per your convenience and available time. In this regard, we request you to educate our students and do the needful so that our students can avail an opportunity to get self-benefit.

Thanking you,


Yours Truly
Dr. Y. SOWJANYA KUMARI
(HOD: CSE)
HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

To
The Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Respected Sir,

Sub:-Acceptance to conduct Add-On Course-Reg.

Ref:-Requisition letter from HOD of CSE Department, Chirala Engineering College

I, Mr. V. B. N AJAY, Professor, Lakkireddy Balireddy Engineering College, Mylavaram would feel happy for choosing me to conduct an Add-On Course on **“INTRODUCTION TO DATA ENGINEERING”** as a part of teaching-learning process. I am herewith accepting to conduct the Add-On Course for I,III & IV year B.Tech CSE students as per your convenient dates.

Thanks

Yours sincerely,

Mr. V.B.N.AJAY
Associate Professor
N.V.R.College Of Engineering and Technology,Tenali.



CHIRALA ENGINEERING COLLEGE

Where Professionalism Speaks

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Department of Computer Science & Engineering

CIRCULAR

14-09-2022

ORIGINATOR	HOD CSE
CIRCULATED TO	I, III& IV B. Tech – II Semester

Sub: Add-on Program – INTRODUCTION TO DATA ENGINEERING – I, III&IV year B. Tech CSE Students from 16-09-2022 to 20-09-2022.

Department of Computer Science Engineering offers **Add-on Program** for all B. Tech I, III& IV year students on “**INTRODUCTION TO DATA ENGINEERING**”. Those who are interested may register their names in the department of CSE.


Head of the Department
HOD
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
DEPARTMENT OF CSE
CHIRALA-523157

Copy to

CSE class rooms

Department Notice board,

Co-ordinator.



Chirala,

13-09-2022

From

DR. Y. SOWJANYA KUMARI
HOD
Department Of CSE
Chirala Engineering College
Chirala

To

The Principal
Chirala Engineering College
Chirala

SUB:-Requisition for permission to conducting add-on course Regd.

Respected Sir,

We want to conduct add on course to II B. Tech IT students on "IOT and Applications" course which is useful for the students fore there projects as well as for future. So I request to kindly consider it and give us approval to conduct add-on course for one week.

Thanking you,

Y. Sowjanya
Head of the Department
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
CHIRALA-525 57
You're Sincerely
DR. Y. SOWJANYA KUMARI
(HOD-CSE)

Approved
[Signature]

PRINCIPAL
CHIRALA ENGINEERING COLLEGE
CHIRALA.



Chirala,

14-09-2022

To

Mr. B. Benarji
Professor
KL University
Guntur

Respected Sir,

SUB:-Requisition for conducting Workshop-Regd

We, the Department of Computer Science & Engineering, Chirala Engineering College, Chirala would like to conduct a work shop on **"IOT AND APPLICATIONS"** from 16-09-2022 to 20-09-2022 timings from 09.00 AM to 04.00 PM as per your convenience and available time. In this regard, we request you to educate our students and do the needful so that our students can avail an opportunity to get self-benefit.

Thanking you,

J. Sowjanya
Head of the Department
Department of C.S.E.
DR. Y. SOWJANYA KUMARI
CHIRALA ENGINEERING COLLEGE
(HOD-CSE)
CHIRALA-523 137

To
The Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Respected Sir,

Sub:-Acceptance to conduct Add-On Course-Reg.

Ref:-Requisition letter from HOD of CSE Department, Chirala Engineering College

I, Mr. B. Benarji, Professor, KL University, Guntur would feel happy for choosing me to conduct an Add-On Course on **“IOT AND APPLICATIONS”** as a part of teaching-learning process. I am herewith accepting to conduct the Add-On Course for II year B. Tech IT students as per your convenient dates.

Thanks

Yours sincerely,
Mr. B. Benarji
Professor
KL University
Guntur



CHIRALA ENGINEERING COLLEGE

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Department of Computer Science & Engineering

CIRCULAR

15-09-2022

ORIGINATOR	HOD CSE
CIRCULATED TO	II B. Tech – II Semester

Sub: Add-on Program – IOT AND APPLICATIONS – II year B. Tech IT Students from 16-09-2022 TO 20-09-2022

Department of Computer Science Engineering offers **Add-on Program** for all B. Tech II year IT students on **“IOT AND APPLICATIONS”**. Those who are interested may register their names in the department of CSE.

[Handwritten Signature]
Head of the Department
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
DEPARTMENT OF CSE
CHIRALA-523 157

Copy to

CSE class rooms

Department Notice board,

Co-coordinator.

[Handwritten Signature]

Chirala,

22-04-2022

From

Mr. B. Srikanth.
Head Of The Department
Department Of CSE
Chirala Engineering College
Chirala

To

The Principal
Chirala Engineering College
Chirala

SUB:-Requisition for permission to conducting add-on course Regd.

Respected Sir,

We want to conduct add on course to II IT students on "Introduction to data Engineering" course which is useful for the students for there projects as well as for future. So I request to kindly consider it and give us approval to conduct add-on course for one week.

Thanking you,

B. Srikanth

Your's Sincerely

B. Srikanth

Department of C.S.E.

CHIRALA ENGINEERING COLLEGE

CHIRALA-523 157

Approved
[Signature]
PRINCIPAL
CHIRALA ENGINEERING COLLEGE
CHIRALA.



To


Mr. B. Nagaraju
Professor
MIC College of Technology
Kanchikacherla

Respected Sir,

SUB:-Requisition for conducting Workshop-Regd

We, the Department of Computer Science & Engineering, Chirala Engineering College, Chirala would like to conduct a work shop on “**INTRODUCTION TO DATA ENGINEERING**” from 25-04-2022 to 29-04-2022 timings from 09.00 AM to 04.00 PM as per your convenience and available time. In this regard, we request you to educate our students and do the needful so that our students can avail an opportunity to get self-benefit.

Thanking you,


Yours truly,
B. Srikanth
Head of the Department
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
(HOD-CSE)
CHIRALA-523 157

To
The Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Respected Sir,

Sub:-Acceptance to conduct Add-On Course-Reg.

Ref:-Requisition letter from HOD of CSE Department, Chirala Engineering College

I, Mr.B.Nagaraju, Professor, Lakkireddy Balireddy Engineering College, Mylavaram would feel happy for choosing me to conduct an Add-On Course on **“INTRODUCTION TO DATA ENGINEERING”** as a part of teaching-learning process. I am herewith accepting to conduct the Add-On Course for II year B.Tech IT students as per your convenient dates.

Thanks

Yours sincerely,

Mr.B.Nagaraju

Associate Professor

N.V.R.College Of Engineering and Technology,Tenali.



CHIRALA ENGINEERING COLLEGE

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Department of Computer Science & Engineering


CIRCULAR

23-04-2022

ORIGINATOR	HOD CSE
CIRCULATED TO	II B. Tech – II Semester

Sub: Add-on Program – INTRODUCTION TO DATA ENGINEERING – II B. Tech IT Students from 25-04-2022 to 29-04-2022

Department of Computer Science Engineering offers **Add-on Program** for all B. Tech II, year students on “**INTRODUCTION TO DATA ENGINEERING**”. Those who are interested may register their names in the department of CSE.


Head of Department
Department of C.S.E.
DEPARTMENT OF CSE
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

Copy to

CSE class rooms

Department Notice board,

Co-coordinator: - 

Chirala,
22-04-2022

From

MR. B. SRIKANTH
Head Of The Department
Department Of CSE
Chirala Engineering College
Chirala

To

The Principal
Chirala Engineering College
Chirala

SUB:-Requisition for permission to conducting add-on course Regd.

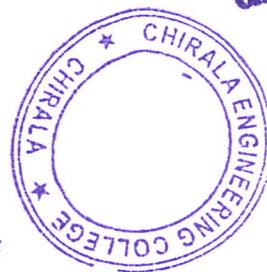
Respected Sir,

We want to conduct add on course to IV&III B. Tech on "BLOCK CHAIN TECHNOLOGIES" course which is useful for the students fore there projects as well as for future. So I request to kindly consider it and give us approval to conduct add-on course for one week.

Thanking you,

B. Srikanth
You're Sincerely
MR. B. SRIKANTH
(HOD/CSE)
Head of the Department
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

Approved
[Signature]
PRINCIPAL
CHIRALA ENGINEERING COLLEGE
CHIRALA.



Chirala,

23-04-2022

To

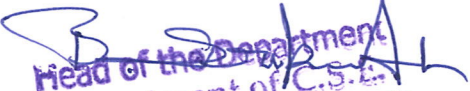
Mrs. J. LAKSHMI
Professor,
Tirumala Engineering college,
Narasaraopeta

Respected Sir,

SUB:-Requisition for conducting Workshop-Regd

We, the Department of Computer Science & Engineering, Chirala Engineering College, Chirala would like to conduct a work shop on **"BLOCK CHAIN TECHNOLOGIES"** from 25-04-2022 to 29-04-2022 timings from 09.00 AM to 04.00 PM as per your convenience and available time. In this regard, we request you to educate our students and do the needful so that our students can avail an opportunity to get self-benefit.

Thanking you,


Head of the Department
Department of C.S.E.
Yours Truly
MIRABA SRIKANTH
CHIRALA ENGINEERING COLLEGE
(HOD-CSE)
CHIRALA-523 157

To
The Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Respected Sir,

Sub:-Acceptance to conduct Add-On Course-Reg.

Ref:-Requisition letter from HOD of CSE Department, Chirala Engineering College

I, Mrs. J. Lakshmi, Professor, Tirumala Engineering College, Narasaraopeta would feel happy for choosing me to conduct an Add-On Course on **“BLOCK CHAIN TECHNOLOGIES”** as a part of teaching-learning process. I am herewith accepting to conduct the Add-On Course for all III & IV year B. Tech CSE students as per your convenient dates.

Thanks

Yours sincerely,

Mrs. J. Lakshmi,
Professor,
Tirumala Engineering College,
Narasaraopeta.



CHIRALA ENGINEERING COLLEGE

Where Professionalism Speaks

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Department of Computer Science & Engineering

CIRCULAR

24-04-2022

ORIGINATOR	HOD CSE
CIRCULATED TO	III & IV B. Tech – II Semester

Sub: Add-on Program – BLOCK CHAIN TECHNOLOGIES – III & IV year B. Tech Students from 25-04-2022 TO 29-04-2022

Department of Computer Science Engineering offers **Add-on Program** for all III & IV B. Tech students on “**BLOCK CHAIN TECHNOLOGIES**”. Those who are interested may register their names in the department of CSE.


Head of the Department
HOD
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
DEPARTMENT OF CSE
CHIRALA-523157

Copy to

CSE class rooms

Department Notice board,

Co-coordinator. :- *N. Housha*

Chirala,

30-11-2021

From

Mr. B. Srikanth.
Head Of The Department
Department Of CSE
Chirala Engineering College
Chirala

To

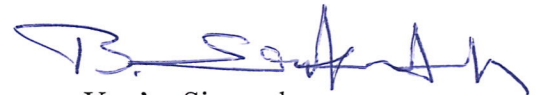
The Principal
Chirala Engineering College
Chirala

SUB:-Requisition for permission to conducting add-on course Regd.

Respected Sir,


We want to conduct add on course to II,III & IV B.Tech on "Introduction to data Engineering" course which is useful for the students fore there projects as well as for future. So I request to kindly consider it and give us approval to conduct add-on course for one week.

Thanking you,



You're Sincerely
Mr. B. Srikanth.
(HOD-CSE)
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157



Approved

PRINCIPAL
CHIRALA ENGINEERING COLLEGE
CHIRALA.

Chirala,
30-11-2021

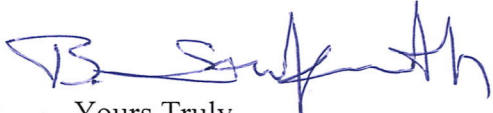
To
Mr. B. Nagaraju
Professor
MIC College of Technology
Kanchikacherla

Respected Sir,

SUB:-Requisition for conducting Workshop-Regd

We, the Department of Computer Science & Engineering, Chirala Engineering College, Chirala would like to conduct a work shop on **“Introduction to data engineering”** from 2-12-2021 to 6-12-2021 timings from 09.00 AM to 04.00 PM as per your convenience and available time. In this regard, we request you to educate our students and do the needful so that our students can avail an opportunity to get self-benefit.

Thanking you,


Yours Truly
Mr. B. Srikanth
Head of the Department
Department of C.S.E.
(HOD-CSE)
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

To
The Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Respected Sir,

Sub:-Acceptance to conduct Add-On Course-Reg.

Ref:-Requisition letter from HOD of CSE Department, Chirala Engineering College,
date: 30-11-2021

I, Mr. B. Nagaraju, Professor, Lakkireddy Balireddy Engineering College, Mylavaram would feel happy for choosing me to conduct an Add-On Course on **“INTRODUCTION TO DATA ENGINEERING”** as a part of teaching-learning process. I am herewith accepting to conduct the Add-On Course for I, III & IV year B. Tech CSE students as per your convenient dates.

Thanks

Yours sincerely,

Mr.B.Nagaraju

Associate Professor

N.V.R.College Of Engineering and Technology,Tenali.



CHIRALA ENGINEERING COLLEGE

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Department of Computer Science & Engineering

CIRCULAR

30-11-2021

ORIGINATOR	HOD CSE
CIRCULATED TO	II, III& IV B. Tech – II Semester

Sub: Add-on Program – INTRODUCTION TO DATA ENGINEERING – I, III& IV year B. Tech CSE Students from 02-12-2021 to 06-12-2021.

Department of Computer Science Engineering offers **Add-on Program** for all B. Tech II, III& IV year students on **“INTRODUCTION TO DATA ENGINEERING”**. Those who are interested may register their names in the department of CSE.

B. Sankar
HOD
Head of the Department
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

Copy to

CSE class rooms

Department Notice board,

Co-coordinator. :- *N. Sankar*

Chirala,

29-11-2021

From

MR. B. SRIKANTH
Head Of The Department
Department Of CSE
Chirala Engineering College
Chirala

To

The Principal
Chirala Engineering College
Chirala

SUB:-Requisition for permission to conducting add-on course Regd.

Respected Sir,

We want to conduct add on course to II B. Tech IT students on “BLOCK CHAIN TECHNOLOGIES” course which is useful for the students fore there projects as well as for future. So I request to kindly consider it and give us approval to conduct add-on course for one week.

Thanking you,

Head of the Department
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
CHIRALA-523157
Yours sincerely
MR. B. SRIKANTH
(HOD-CSE)

Approved
PRINCIPAL
CHIRALA ENGINEERING COLLEGE
CHIRALA.



To

Mrs. J. LAKSHMI
Professor,
Tirumala Engineering college,
Narasaraopeta.

Respected Sir,

SUB:-Requisition for conducting Workshop-Regd

We, the Department of Computer Science & Engineering, Chirala Engineering College, Chirala would like to conduct a work shop on **“BLOCK CHAIN TECHNOLOGIES”** from 02-12-2021 to 06-12-2021 timings from 09.00 AM to 04.00 PM as per your convenience and available time. In this regard, we request you to educate our students and do the needful so that our students can avail an opportunity to get self-benefit.

Thanking you,


Yours Truly,
MR. B. SRIKANTH
(HOD-CSE)
Head of the Department
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

To
The Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Respected Sir,

Sub:-Acceptance to conduct Add-On Course-Reg.

Ref:-Requisition letter from HOD of CSE Department, Chirala Engineering College

I, Mrs. J. Lakshmi, Professor, Tirumala Engineering College, Narasaraopeta would feel happy for choosing me to conduct an Add-On Course on **“BLOCK CHAIN TECHNOLOGIES”** as a part of teaching-learning process. I am herewith accepting to conduct the Add-On Course for II year B. Tech IT students as per your convenient dates.

Thanks

Yours sincerely,
Mrs. J. Lakshmi,
Professor,
Tirumala Engineering College,
Narasaraopeta



CHIRALA ENGINEERING COLLEGE

Where Professionalism Speaks

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Department of Computer Science & Engineering

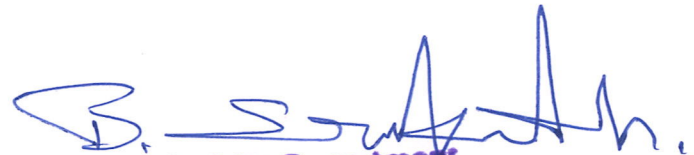
CIRCULAR

01-12-2021

ORIGINATOR	HOD CSE
CIRCULATED TO	II B. Tech – II Semester

Sub: Add-on Program – BLOCK CHAIN TECHNOLOGIES – II B. Tech IT
Students from 02-12-2021 TO 06-12-2021

Department of Computer Science Engineering offers **Add-on Program** for II B. Tech IT students on **“BLOCK CHAIN TECHNOLOGIES”**. Those who are interested may register their names in the department of CSE.


Head of ~~HOD~~ Department
Department of C.S.E.
DEPARTMENT OF CSE
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

Copy to

CSE class rooms

Department Notice board,

Co-coordinator. 

②

Chirala,

12-11-2020

From

Mr. D. KALYAN
Head Of The Department
Department Of CSE
Chirala Engineering College
Chirala

To

The Principal
Chirala Engineering College
Chirala

SUB:-Requisition for permission to conducting add-on course Regd.

Respected Sir,

We want to conduct add on course to IV B. Tech on "CYBER SECURITY AND WEB DEVELOPMENT" course which is useful for the students fore there projects as well as for future. So I request to kindly consider it and give us approval to conduct add-on course for one week.

Thanking you,

D. Kalyan
Yours Sincerely
Mr. D. KALYAN
Head of the Department
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
(HOD-CSE)
CHIRALA-523 157



[Signature]
PRINCIPAL
CHIRALA ENGINEERING COLLEGE
CHIRALA.

Chirala,

13-11-2020

To

Mr. K. RAVICHAND
Professor,
N V R College Of Engineering And Technology
Tenali

Respected Sir,

SUB:-Requisition for conducting Workshop-Regd

We, the Department of Computer Science & Engineering, Chirala Engineering College, Chirala would like to conduct a work shop on **“CYBER SECURITY AND WEB DEVELOPMENT”** from 15-11-2020 to 19-11-2020 timings from 09.00 AM to 04.00 PM as per your convenience and available time. In this regard, we request you to educate our students and do the needful so that our students can avail an opportunity to get self-benefit.

Thanking you,



Yours Truly

MR. D. KALYAN

Head (HOD-CSE)
Department of C.S.E.

CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

To
The Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Respected Sir,

Sub:-Acceptance to conduct Add-On Course-Reg.

Ref:-Requisition letter from HOD of CSE Department, Chirala Engineering College

I, Mr. K. RAVICHAND Professor, N V R College Of Engineering And Technology, Tenali would feel happy for choosing me to conduct an Add-On Course on **“CYBER SECURITY AND WEB DEVELOPMENT”** as a part of teaching-learning process. I am herewith accepting to conduct the Add-On Course for IV year B. Tech CSE students as per your convenient dates.

Thanks

Yours sincerely,

Mr. K. RAVICHAND
Professor,
N V R College Of Engineering And
Technology, Tenali



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Department of Computer Science & Engineering

CIRCULAR

13-11-2020

ORIGINATOR	HOD CSE
CIRCULATED TO	IV B. Tech – I Semester

Sub: Add-on Program – CYBER SECURITY AND WEB DEVELOPMENT

– IV year B. Tech Students from 15-11-2020 TO 19-11-2020

Department of Computer Science Engineering offers **Add-on Program** for all IV B. Tech students on “**CYBER SECURITY AND WEB DEVELOPMENT**”. Those who are interested may register their names in the department of CSE.

Copy to

CSE class rooms

Department Notice board,

Co-coordinator: *N. H.*

D. Kalyan
Head of the Department
HOD
Department of C.S.E.
DEPARTMENT OF CSE
CHIRALA ENGINEERING COLLEGE
CHIRALA-523157

Chirala,
18-08-2019

From

Mr. D. Kalyan
Head Of The Department
Department Of CSE
Chirala Engineering College
Chirala

To

The Principal
Chirala Engineering College
Chirala

SUB:-Requisition for permission to conducting add-on course Regd.

Respected Sir,

We want to conduct add on course to IV B.Tech on “**Data Warehousing and Data mining**” course which is useful for the students fore there projects as well as for future. So I request to kindly consider it and give us approval to conduct add-on course for one week.

Thanking you,

(Handwritten Signature)
Head of the Department
Department of C.S.E.
You're Sincerely
CHIRALA ENGINEERING COLLEGE
Mr. D. Kalyan
CHIRALA-503 157
(HOD-CSE)

(Handwritten Signature)
PRINCIPAL
CHIRALA ENGINEERING COLLEGE
CHIRALA.



To


Mr. M. Sravan Kumar
Associate Professor
N. V. R. College Of Engineering and Technology,
Tenali.

Respected Sir,

SUB:-Requisition for conducting Workshop-Regd

We, the Department of Computer Science & Engineering, Chirala Engineering College, Chirala would like to conduct a work shop on **“Data Warehousing and Data minig”** from 21-08-2019to 25-08-2019timings from 09.00 AM to 04.00 PM as per your convenience and available time. In this regard, we request you to educate our students and do the needful so that our students can avail an opportunity to get self-benefit.

Thanking you,


Head of the Department
Department of C.S.E.
Mr. D. Kalyan
CHIRALA ENGINEERING COLLEGE
(HOD-CSE)
CHIRALA-523157

To
The Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Respected Sir,

Sub:-Acceptance to conduct Add-On Course-Reg.

Ref:-Requisition letter from HOD of CSE Department, Chirala Engineering College,
I, Mr. M. Sravan Kumar, Associate Professor, N. V. R. College Of Engineering and
Technology, Tenali.would feel happy for choosing me to conduct an Add-On Course on
“**DATA WAREHOUSING AND DATA MINIG**” as a part of teaching-learning process. I
am herewith accepting to conduct the Add-On Course for IVth year B. Tech students as per your
convenient dates.

Thanks

Yours sincerely,

Mr.M.Sravan Kumar

Associate Professor

N.V.R.College Of Engineering and Technology, Tenali.



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Department of Computer Science & Engineering

CIRCULAR

19-08-2019

ORIGINATOR	HOD CSE
CIRCULATED TO	IV th B. Tech – II Semester

**Sub: Add-on Program – DATA WAREHOUSING AND DATA MINING– IV B. Tech
CSE Students from 21-08-2019 to 25-08-2019**

Department of Computer Science Engineering offers **Add-on Program** for all IV B. Tech, CSE students on “**DATA WAREHOUSING AND DATA MINING**”. Those who are interested may register their names in the department of CSE.

[Handwritten Signature]
Head of the Department
HOD of C.S.E.
CHIRALA ENGINEERING COLLEGE
DEPARTMENT OF CSE
CHIRALA-523157

Copy to

CSE class rooms

Department Notice board,

Co-coordinator: *N. K.*

Chirala,

05-02-2019

From

MR. D. Kalyan
Head Of The Department
Department Of CSE
Chirala Engineering College
Chirala

To

The Principal
Chirala Engineering College
Chirala

SUB:-Requisition for permission to conducting add-on course Regd.

Respected Sir,

We want to conduct add on course to IV&III B. Tech students on "BIG DATA HADOOP AND MAP REDUCE" course which is useful for the students fore there projects as well as for future. So I request to kindly consider it and give us approval to conduct add-on course for one week.

Thanking you,

D. Kalyan
You're Sincerely
Head of the Department
MR. D. KALYAN
Department of CSE
CHIRALA ENGINEERING COLLEGE
(HONGSIB)
CHIRALA-523 157

Approved
[Signature]
PRINCIPAL
CHIRALA ENGINEERING COLLEGE
CHIRALA.



To

Mrs. Y. SOWJANYA KUMARI
Professor,
St. Ann's College Of Engineering And Technology
Chirala

Respected Sir,

SUB:-Requisition for conducting Workshop-Regd

We, the Department of Computer Science & Engineering, Chirala Engineering College, Chirala would like to conduct a work shop on **"BIG DATA HADOOP AND MAP REDUCE"** from 08-02-2019 to 12-02-2019 timings from 09.00 AM to 04.00 PM as per your convenience and available time. In this regard, we request you to educate our students and do the needful so that our students can avail an opportunity to get self-benefit.

Thanking you,

(Handwritten Signature)
Head of the Department
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
MR. D. KALYAN
(HOD-CSE)
CHIRALA-523157

To
The Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Respected Sir,

Sub:-Acceptance to conduct Add-On Course-Reg.

Ref:-Requisition letter from HOD of CSE Department, Chirala Engineering College

I, Mrs. Mrs. Y. SOWJANYA KUMARI, Professor, St. Ann's College Of Engineering And Technology, Chirala would feel happy for choosing me to conduct an Add-On Course on "**BIG DATA HADOOP AND MAP REDUCE**" as a part of teaching-learning process. I am herewith accepting to conduct the Add-On Course for III & IV B. Tech students as per your convenient dates.

Thanks

Yours sincerely,

Mrs. Y. SOWJANYA KUMARI
Professor,
St. Ann's College Of Engineering And Technology
Chirala



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Department of Computer Science & Engineering

CIRCULAR

06-02-2019

ORIGINATOR	HOD CSE
CIRCULATED TO	III& IV B. Tech – II Semester

Sub: Add-on Program – BIG DATA HADOOP AND MAP REDUCE – III & IV B. Tech Students from 08-02-2019 TO 12-02-2019

Department of Computer Science Engineering offers **Add-on Program** for III & IV B. Tech students on “**BIG DATA HADOOP AND MAP REDUCE**”. Those who are interested may register their names in the department of CSE.

Head of the Department
Department of
HOD
CHIRALA ENGINEERING COLLEGE
DEPARTMENT OF CSE
CHIRALA-523 107

Copy to

CSE class rooms

Department Notice board,

Co-coordinator. 

ABOUT THE COLLEGE

Chirala College of Engineering has been started in the year 2001. It is approved by AICTE, New Delhi, and affiliated with JNTUK Kakinada. The College offers Seven undergraduate programs (Bachelor of Technology) – Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering and Mechanical Engineering, Artificial Intelligence and Machine learning, and Data science. The college is located on a sprawling campus near Ramapuram beach, Chirala.

The institution has the academic ambience for good teaching and practical training effected by qualified and experienced faculty to groom our students as complete technocrats and professionals. The infrastructures provided to the students are world-class and state-of-the-art. The laboratories are equipped with instruments and equipment of industrial class desktops. This helps our students to learn to the requirements of the real-time industry.



RAMAPURAM BEACH ROAD
Chirala -523157, Andhra Pradesh



WWW.CECC.CO.IN

ABOUT THE DEPARTMENT

The Department of Electronics & Communication Engineering came into existence in 2001 immediately when the institute was founded. It started with an intake of 60 students which was subsequently raised to 120 over a period of time. It offers 4- a year B.Tech degree program in Electronics & Communication Engineering, 2 Year M.Tech degree in VLSI & Embedded Systems with an intake of 36 numbers.

Vision: The vision of the ECE department is to become a nationally and internationally leading institution of higher learning, building upon the culture and the values of universal science and contemporary education, and a center of research and education generating the knowledge and the technologies which lay the groundwork in shaping the feature in the field of Electronics and Communication Engineering

Mission: The mission of ECE department is to provide education for those students who are able to compete internationally, able to produce creative solutions to society's needs, are conscious to universal moral values, are adherent to the professional ethical code, and to generate and disseminate knowledge and technologies essential to the local and global needs in the fields of ECE.



CHIRALA
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COMMUNICATION
ENGINEERING

**A 6 DAY ADD-ON COURSE
ON
“RESEARCH METHODOLOGY”
FROM 07/11/22 TO 12/11/2022**



CONTENTS

ANTENNA DESIGNING USING CST AND HFSS

Day 1

- EXPLAIN THE PROBLEM
- What is the problem that you would like to do your research on?

Day 2

- SET RESEARCH QUESTIONS PROPERLY
- Make your research questions clear. It is a good idea to have one, two or maximum three research questions to have a sharp focus in your research.

Day 3

- INTRODUCE PROPOSED METHODS
- Explain the methods that you would like to use to conduct your experiments. This can be done by giving the mathematical equations, explaining parameters of these equations or providing workflow diagrams to explain the steps that your input data will be going through.

Day 4

- EXPLAIN YOUR MOTIVATION FOR THE CHOSEN METHODS

Day 5

- PROVIDE THE DESIGNED SOLUTION
- explain how these methods work together so they can make a workflow together.

Day 6

- DO YOUR REFERENCING CAREFULLY.
- It is extremely important to provide references on the background, chosen methods, or for any figure/equation/table/idea that you have picked up from another source.

ABOUT WORKSHOP

A research methodology describes the techniques and procedures used to identify and analyze information regarding a specific research topic. It is a process by which researchers design their study so that they can achieve their objectives using the selected research instruments. It includes all the important aspects of research, including research design, data collection methods, data analysis methods, and the overall framework within which the research is conducted. While these points can help you understand what is research methodology, you also need to know why it is important to pick the right methodology.

Having a good research methodology in place has the following advantages:

- Helps other researchers who may want to replicate your research; the explanations will be of benefit to them.
- You can easily answer any questions about your research if they arise at a later stage.
- A research methodology provides a framework and guidelines for researchers to clearly define research questions, hypotheses, and objectives.
- It helps researchers identify the most appropriate research design, sampling technique, and data collection and analysis methods.
- A sound research methodology helps researchers ensure that their findings are valid and reliable and free from biases and errors.
- It also helps ensure that ethical guidelines are followed while conducting research.
- A good research methodology helps researchers in planning their research efficiently, by ensuring optimum usage of their time and resources.

Eligibility:

This workshop is intended for UG, PG students, faculty members, and Industrial persons who are interested in Antenna designing

Resource Persons:

Dr.B.Srikanth
Head of the Department
Department of CSE
Chirala Engineering College
Chirala

Chief Patron:

K Ravi Kumar,
Secretary Chirala Engineering College

Patron:

Dr. C Venkatadri Naidu
Principal, Chirala Engineering College.

Convener:

Dr.SK Basheera
HOD, Department of ECE,
Chirala Engineering College.

Contact details:

N Suresh Babu
HOD, Department of ECE,
Chirala Engineering College.
email: ecehod@cecc.co.in,
Phone: 8331040558

ABOUT THE COLLEGE

Chirala College of Engineering has been started in the year 2001-2002. It is approved by AICTE, New Delhi, and affiliated with JNTUK Kakinada. The College offers seven undergraduate programs (Bachelor of Engineering) – Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering and Mechanical Engineering, Artificial Intelligence and Machine learning, and Data science. The college is located on a sprawling campus near Ramapuram beach, Chirala.

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The infrastructures provided to the students are world-class and state-of-the-art. The laboratories are equipped with instruments and equipment of industrial class and not merely desktops. This helps our students to learn to the requirements of the real-time industry.



RAMAPURAM BEACH ROAD
Chirala -523157, Andhra Pradesh



WWW.CECC.CO.IN

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ENGINEERING

**A 6 DAY ADD-ON COURSE
ON
“BASIC TOOLS OF MICROWAVE”**



CONTENTS

BASIC TOOLS OF MICROWAVE

Day 1

- Introduction to Microwaves
- Types of Microwave Devices
- Frequency bands of Microwave

Day 2

- Introduction to Microwave design using Smith Chart
- Various steps involved in drawing a Smith Chart
- Finding unknown impedance using Smith Chart
- Impedance Matching Network Design

Day 3

- Introduction to S-Parameters
- Equivalent Voltage and Current at Microwaves
- Return Loss, Reflection Co-efficient and VSWR

Day 4

- Microstrips
- Reflex Klystron, Magnetron, TWT

DAY 5

- INTRODUCTION TO SIGNAL FLOW GRAPH
- SOLVING SIGNAL FLOW GRAPH USING SMITH CHART

DAY 6

- APPLICATIONS OF MICROWAVE

ABOUT THE COURSE

The course will introduce three basic tools of a microwave engineer viz. smith chart, s-parameter and signal flow graph. The lectures would try to emphasize the need to understand the key concepts behind these tools for solving various analysis and design problems in microwave engineering. The concepts of microwave measurement both in the traditional microwave bench and network analyzer would be explained and some typical applications of the tools like impedance matching, network analyzer calibration, and directional coupler characterization would be demonstrated. The course would lay the foundation for further exploring the vast area of microwave engineering analysis and design.

Eligibility:

This workshop is intended for UG, PG students, faculty members, and Industrial persons who are interested in Antenna designing

Resource Persons:

[K. Sambasiva Rao,](#)

Assistant Professor

Department of ECE

VRS & YRN College of Engineering & Technology
Chirala

Chief Patron:

[K Ravi Kumar,](#)

Secretary Chirala Engineering College

Patron:

[Dr. C Venkatadri Naidu](#)

Principal, Chirala Engineering College.

Convener:

[N Suresh Babu](#)

HOD, Department of ECE,
Chirala Engineering College.

Contact details:

[N Suresh Babu](#)

HOD, Department of ECE,
Chirala Engineering College.

email: ecehod@cecc.co.in,

Phone: 8331040558



CHIRALA ENGINEERING COLLEGE

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

IOT AND APPLICATIONS

Module 1 – IOT Introduction

- Concepts and Definitions of The Internet of Things (IoT)
- History of IOT
- Requirements, Functionalists, and structure of IOT
- IoT enabling technologies
- IoT Architecture
- The major component of IOT (Hardware & Software)
- IoT communication and networking protocols, Role of wired and wireless communication.
- IoT services and applications.
- IoT Standards, Connectivity

Module 2 – IOT Case Studies

- Project Case Study
- Project Requirements (hardware & software)
- How to Design IOT Applications (Web, Mobile, Device)
- Projects on every technology (At least 4 Projects)
- Data Generator

Module 3 – IOT Data Acquisition & Platforms

- Micro Controllers (Arduino uno/mega2560, Rasberry-Pi, ARM), Real-time systems, and embedded software
- OS and Drivers (End Device Program)
- Hardware & Software Requirements

Module 4 – IOT Data Communication

- How to transfer data by Wireless / Wired connectivity
- Ipv4/Ipv6, Ethernet/GigE

- 17
- MIPI, M-PHY, UniPro, SPMI, BIF, SuperSpeed USB Inter-Chip (SSIC), Mobile PCIe (M-PCIe) and SPI
 - GSM , 2g ,3g ,4g & 5g
 - IEEE 802.15.4, IEEE 802.15.4e, 802.11ah
 - Relay Access Point (AP)
 - Grouping of station
 - Target Wake Time (TWT)

Module 5 – IOT Data Storage & Retrieval

- Overview and Role of Storage in Cloud / Server /Inhouse Storage
- Databases Connectivity with IOT and uses
- Case Study over Mysql / NoSql / NewSql
- Case Study over Cloud Services And Administration
- Case Study Of Big Data & Hadoop Platforms

Module 6 – IOT Data Analytics & Visualization

- Analysis Of data using the Ipython Module
- Visualization and interpretation of Data
- Data Cleaning in IoT

Module 7 – IOT Security

- Attack, Defense, and Network Robustness of Internet of Things
- Malware Propagation and Control in the Internet of Things
- Privacy Preservation Data Dissemination
- Trust and Trust Models for the IoT
- Authentication in IoT
- Computational Security for the IoT
- Security Protocols for IoT Access Networks
- Security Testing

Module 8 – IOT Product Development & Testing with Project

Conclusion

Excited about our IoT course content? Unparalleled course syllabus to match the industrial requirements right? No more waiting. Rab the chance and [join our SLA](#).



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

INTRODUCTION TO DATA ENGINEERING

1. Data Engineering : Introduction to Data Engineering *.A comprehensive guide to data engineering* .Data engineering is the process of designing, building, and maintaining systems that collect, store, and process data. It is a branch of computer science and engineering that combines software engineering, database design and management, systems engineering, and network engineering.

2. Why Data Engineering. By 2025, the Internet Database Connector(IDC) projects that the digital data created worldwide will be approximately 163 zettabytes². Data engineering is a critical function in today's data-driven world.

3. Data Engineer Tasks..In the course of their work, data engineers will perform the following functions:

- Design, build and maintain data processing systems
- Developing and managing data warehouses
- Data mining and analysis
- Working with big data to develop systems and tools to process and analyze large data sets.
-

4. The Data Engineering Learning Path :The following are the core topics a data engineering enthusiast should master :Programming- Programming is a fundamental skill for data engineers as most of the tasks performed by data engineers rely on writing programming scripts. Learning python is highly encouraged because it is widely used in many industries today.

5. Scripting and Automation- In data engineering, scripting and automation refers to the process of automating the creation and maintenance of data pipelines.



CHIRALA ENGINEERING COLLEGE

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

IOT AND APPLICATIONS

Module 1 – IOT Introduction

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- How to transfer data by Wireless / Wired connectivity
- Ipv4/Ipv6, Ethernet/GigE

- MIPI, M-PHY, UniPro, SPMI, BIF, SuperSpeed USB Inter-Chip (SSIC), Mobile PCIe (M-PCIe) and SPI
- GSM , 2g ,3g ,4g & 5g
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- Security Protocols for IoT Access Networks
- Security Testing

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Conclusion

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CHIRALA ENGINEERING COLLEGE

Where Professionalism Speaks

(Sponsored by G.S.R. & T.S.R. Educational Society, Approved by AICTE - New Delhi, Affiliated to JNTU - Kakinada, Awarded 'A' Grade by APSCHE, An ISO 9001:2008 Certified Institution)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

INTRODUCTION TO DATA ENGINEERING

1. Data Engineering : Introduction to Data Engineering .*A comprehensive guide to data engineering* .Data engineering is the process of designing, building, and maintaining systems that collect, store, and process data. It is a branch of computer science and engineering that combines software engineering, database design and management, systems engineering, and network engineering.

2. Why Data Engineering. By 2025, the Internet Database Connector(IDC) projects that the digital data created worldwide will be approximately 163 zettabytes². Data engineering is a critical function in today's data-driven world.

3. Data Engineer Tasks..In the course of their work, data engineers will perform the following functions:

- Design, build and maintain data processing systems
- Developing and managing data warehouses
- Data mining and analysis
- Working with big data to develop systems and tools to process and analyze large data sets.
-

4. The Data Engineering Learning Path :The following are the core topics a data engineering enthusiast should master :Programming- Programming is a fundamental skill for data engineers as most of the tasks performed by data engineers rely on writing programming scripts. Learning python is highly encouraged because it is widely used in many industries today.

5. Scripting and Automation- In data engineering, scripting and automation refers to the process of automating the creation and maintenance of data pipelines.



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

BLOCK CHAIN TECHNOLOGIES

The students will be exposed to the following topics:

1. Basic Cryptographic primitives used in Blockchain – Secure, Collision-resistant hash functions, digital signature, public key cryptosystems, zero-knowledge proof systems
2. Basic Distributed System concepts – distributed consensus and atomic broadcast, Byzantine fault-tolerant consensus methods
3. Basic Blockchain – concepts germane to Bitcoin and contemporary proof-of-work based consensus mechanisms, operations of Bitcoin blockchain, crypto-currency as application of blockchain technology
4. Blockchain 2.0 – Blockchains with smart contracts and Turing complete blockchain scripting – issues of correctness and verifiability, Ethereum platform and its smart contract mechanism
5. Blockchain 3.0 – Plug-and-play mechanisms for consensus and smart contract evaluation engines, Hyperledger fabric platform
6. Beyond Cryptocurrency – applications of blockchain in cyber security, integrity of information, E-Governance and other contract enforcement mechanisms
7. Limitations of blockchain as a technology, and myths vs. reality of blockchain technology
8. Research directions in Blockchain technology



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CYBER SECURITY AND WEB DEVELOPMENT

- **Module-1: Pre-work (Optional)**
This introductory module sets the stage for this post-graduate program in Cyber Security, immersing students in the fundamental concepts and practices that form the bedrock of Cyber Security. It provides a solid foundation for more advanced exploration.
- **Module-2: Foundations of Information Security**
This module delves into the core aspects of Cyber Security. Exploring these key areas will deepen the understanding of the foundations and help learners gain crucial skills for securing information in various digital environments.
- **Module-3: Understanding Cyber Attacks**
This module offers students a deep understanding of the nature of cyber threats. As learners delve into these topics, they'll gain crucial knowledge and skills to anticipate and counter cyber attacks.
- **Module-4: Designing Security Controls**
This module equips students with the skills to create and implement robust security measures. Through these topics, learners will develop the practical skills to fortify digital environments against cyber threats.
- **Module-5: Security Operations & Incident Management**
This module imparts crucial skills in handling and mitigating Cyber Security incidents. Through these topics, learners will gain a practical understanding of the steps to manage and recover from cyber threats effectively.
- **Module-6: Prepare for CompTIA Security+ (Optional)**
This module is designed to help students gear up for the globally recognized CompTIA Security+ certification. This course will cover the essential concepts needed for the exam, ensuring students are fully prepared.
- **Module-7: Cyber Range**
This module provides students with an interactive, hands-on experience in dealing with cyber incidents. Through this module, learners will test their knowledge and skills in a practical environment, facilitating a deep understanding of Cyber Security.



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

DATA WAREHOUSING AND DATA MINING

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

BIG DATA HADOOP AND MAP REDUCE

The students will be exposed to the following topics:

1. Understand how MapReduce can be used to analyze big data sets
2. Run MapReduce jobs on Hadoop clusters using Amazon Elastic MapReduce
3. Analyze social network data using MapReduce
4. Understand other Hadoop-based technologies, including Hive, Pig, and Spark
5. Write your own MapReduce jobs using Python and MRJob
6. Chain MapReduce jobs together to analyze more complex problems
7. Analyze movie ratings data using MapReduce and produce movie recommendations with it.
8. Understand what Hadoop is for, and how it works