ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES:: TIRUPATI

Report on Slow Learners:

Institution takes special care in moulding the struggled (slow) learners through the following measures:

1. **Organization of remedial and tutorial classes which comprises of the repetition of critical topics for better understanding,**

2. Constitution of **quality circles (QC) with slow learners along with advanced learners, and organizing QC meetings on the regular basis, pairing advanced-struggled learners**for sharing of technical knowledge and meant for clarifying the doubts in the meetings itself.

3. Daily attendance and the performance of the student is reported to the parents through phone calls and parents are made aware of their ward's attitudes/weaknesses, attendance and performance and to further involve parents in the mentoring process.

a. A group of 20 students are assigned to a faculty cum mentor.
b. Proforma for the counselling system has been developed with the three parts consisting of Personal details, Educational/Study habits and Social Ethics/Social Responsibilities. This proforma helps the mentor to identify the key abilities, strengths and weaknesses of the students for further mentoring.
c. The mentor regularly monitors the group of students assigned to him /her to check their academic progress and follow up.In case of any deviations in academics and regulate the students for constant improvement.
d. The mentor maintains complete academic record of four years like attendance secured, marks scored in internal and external exams. By this process, Slow/Struggled learners and Advanced achievers can be identified by the mentor.
e. Motivational sessions are conducted every semester, once or twice, by external Experts/professionals to improve psychological mind sets of students that help to analyse problems and to regularize them.

4. Despite the application of the above strategies, still if a student is struggling, advising the parents to go for counselling by the psychologistst correct the mind-set problems of the students.

PRINCIPAL
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS): TIRUPATI
Department of Computer Science and Engineering

Date: 25/06/2022

Circular

It is to inform that the II B.Tech, II sem (2021-22) Remedial Classes have been scheduled to commence from 27/06/2022. The aim of conducting this program is to upgrade the academic level of slow learners and make them regular to classes. The teacher has to engage the Remedial Classes during 4:20 – 5:00 PM everyday according to the time table given. So the teachers have to follow the instructions.

1. Attend the remedial classes on time according to schedule.
2. If a teacher is on leave, he/she has to make alternative arrangement.
3. Encourage the students to attend the classes without fail and explain the benefits of the remedial classes.
4. Take attendance of the students without fail with a separate register available in the department.
5. Bring the absentees to the notice of the Head of CSE.

SIGNATURE OF HOD

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-5

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-5

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS): TIRUPATI
Department of Computer Science and Engineering

To

The Principal

AITS, Tirupati

Date: 25/06/2022

It is brought to your kind notice that remedial classes are conducted for II B.Tech, II semester students of this academic year from 27/06/2022-12/07/2022. The identified students are those who secured less than or equal to 60% of marks in1st mid exams. The purpose of conducting extra classes is to obtain a very good pass percentage in the university exams by creating serious academic pursuit. The students not listed may also attend the classes and get extra benefits from the college.

Yours faithfully,

HOD/CSE

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-5

Encls: The list of students who need remedial coaching.

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-5

Annamacharya Institute of Technology and Sciences::Tirupati
Venkatapuram (V), Karakambadi Road, Renigunta (M)
Department of Computer Science & Engineering

Date: 25.6.22

CIRCULAR

In the view of improving the pass percentage of the B.Tech II students, the classes for the failures in the I mid exam subjects is scheduled as per the time table given below. The students are strictly instructed to adhere the time table and attendance is mandatory, if there any deviation will be viewed seriously.

HOD

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-517 520

Annamacharya Institute of Technology and Sciences::Tirupati

Venkatapuram (V), Karakambadi Road, Renigunta (M)

Department of Computer Science & Engineering

REMEDIAL CLASS FOR MID I FAILURES

TIME TABLE

Year: II A, B & C **Time:4.20pm to 5.00pm**

Date	Subject Code	Subject Name	Staff Name	Signature
27.6.22	20APC0506	Computer Organization	Mr.M.Madhu/ Ms.M.Lakshmi Preethi/ Ms.M.Reddi durga sree	
28.6.22	20APC0511	Design and Analysis of Algorithms	Mr.S.Prathap/ Mr.L.Veera Kiran/ Mr.G.Rama Krishna	
29.6.22	20APC0512	Object Oriented Programming using Java	Mr.sainadh/ Mr.T.sreenivasulu Reddy/ Mr.M.Kiran Moni	
30.6.22	20APC0515	Operating System	Ms.C.hemavathy/ Mr. N.Venkata Vinod Kumar/ Ms.L.Charitha	
1.7.22	20AHSMB01	Managerial Economics and Financial Analysis	Mr.Sravan	
4.7.22	20APC0506	Computer Organization	Mr.M.Madhu/ Ms.M.Lakshmi Preethi/ Ms.M.Reddi durga sree	
5.7.22	20APC0511	Design and Analysis of Algorithms	Mr.S.Prathap/ Mr.L.Veera Kiran/ Mr.G.Rama Krishna	
6.7.22	20APC0512	Object Oriented Programming using Java	Mr.sainadh/ Mr.T.sreenivasulu Reddy/ Mr.M.Kiran Moni	
7.7.22	20APC0515	Operating System	Ms.C.hemavathy/ Mr. N.Venkata Vinod Kumar/ Ms.L.Charitha	
8.7.22	20AHSMB01	Managerial Economics and Financial Analysis	Mr.Sravan	
11.7.22	20APC0512	Object Oriented Programming using Java	Mr.Sainadh/ Mr.T.sreenivasulu Reddy/ Mr.M.Kiran Moni	
12.7.22	20APC0515	Operating System	Ms.C.Hemavathy/ Mr. N.Venkata Vinod Kumar/ Ms.L.Charitha	

HOD

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Annamacharya Institute of
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Annamacharya Institute of Technology and Sciences::Tirupati

Venkatapuram (V), Karakambadi Road, Renigunta (M)

Department of Computer Science & Engineering

REMEDIAL CLASS ATTENDANCE SHEET

(20APC0512)Object Oriented Programming using Java

YEAR: II **TIME: 4.20 pm to 5 pm**

STAFF NAME: Mr. Sainadh

S.NO	ROLL NO	Dt: 29/6/22	Dt: 5/7/22	Dt: 1/7/22
1	20AK1A0527	P	P	P
2	20AK1A0536	P	P	AB
3	20AK1A0542	P	P	P
4	20AK1A0572	AB	P	P
5	20AK1A0573	P	P	P
6	20AK1A0574	P	P	P
7	20AK1A0575	P	P	P
8	20AK1A0597	P	AB	P
9	20AK1A05B0	P	P	P
10	20AK1A05G3	P	P	P
11	20AK1A05G4	P	P	P
12	19 AK1A05B7	P	P	P

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

STAFF SIGN

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Dept. of Computer Science & Engg
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Annamacharya Institute of Technology and Sciences::Tirupati

Department of Computer Science & Engineering

REMEDIAL CLASS ATTENDANCE SHEET

(20APC0515)Operating System

YEAR : II **TIME: 4.20 pm to 5pm**

STAFF NAME: Mr. N. Venkata Vinod Kumar

S.NO	ROLL NO	Dt: 30/6/22	Dt: 7/7/22	Dt: 12/7/22
1	20AK1A0522	P	P	P
2	20AK1A0527	P	P	P
3	20AK1A0529	P	P	AB
4	20AK1A0536	P	P	P
5	20AK1A0551	P	P	P
6	20AK1A0554	P	P	P
7	21AK5A0505	AB	P	P
8	21AK5A0507	P	P	P
9	20AK1A0573	P	P	AB
10	20AK1A0597	P	P	P
11	20AK1A05D1	P	P	P
12	20AK1A05C3	P	AB	P
13	20AK1A05D7	P	P	P
14	20AK1A05E6	P	P	P
15	20AK1A05E9	P	P	P
16	20AK1A05F8	P	P	P
17	20AK1A05G1	P	P	P
18	20AK1A05G3	P	P	P
19	20AK1A05G4	AB	P	P
20	20AK1A05G5	P	P	P
21	21AK5A0528	P	P	P
22	21AK5A0530	P	P	P
23	21AK5A0536	P	P	P
24	19AK1A05B7	P	P	P
25	19AK1A05F1	P	P	P
26	19AK1A05I3	P	P	P

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Annamacharya Institute of Technology and Sciences::Tirupati

Venkatapuram (V), Karakambadi Road, Renigunta (M)

Department of Computer Science & Engineering

REMEDIAL CLASS ATTENDANCE SHEET

(20APC0506)Computer Organization

YEAR : II **TIME: 4.20 pm to 5 pm**

STAFF NAME: M.Reddidurgasree

S.NO	ROLL NO	Dt: 27/6/22	Dt: 4/7/22.
1	20AK1A0536	✓	✓
2	20AK1A0572	✓	✓
3	20AK1A0573	✓	✓
4	20AK1A0585	✓	✓
5	20AK1A0597	✓	✓
6	20AK1A05A6	✓	✓
7	19AK1A05B7	AB	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

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Department of Computer Science & Engineering

REMEDIAL CLASS ATTENDANCE SHEET

(20APC0511)Design and Analysis of Algorithms

YEAR : II **TIME: 4.20 pm to 5pm**

STAFF NAME: G. Rama Krishna

S.NO	ROLL NO	Dt: 28/6/22	Dt: 5/7/22
1	20AK1A0505	✓	✓
2	20AK1A0536	✓	✓
3	20AK1A0543	✓	✓
4	20AK1A0551	✓	✓
5	21AK5A0503	✓	AB
6	20AK1A0573	✓	✓
7	20AK1A0597	✓	✓
8	20AK1A05F8	✓	✓
9	19 AK1A05B7	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

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Annamacharya Institute of Technology and Sciences::Tirupati

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Department of Computer Science & Engineering

REMEDIAL CLASS ATTENDANCE SHEET

(20AHSMB01)Managerial Economics and Financial Analysis

YEAR :II **TIME: 4.20pm to 5pm**

STAFF NAME: Sravan

S.NO	ROLL NO	Dt: 1/7/22	Dt: 8/7/22
1	20AK1A0529	✓	✓
2	20AK1A0536	✓	✓
3	20AK1A0551	✓	✓
4	20AK1A0561	✓	✓
5	20AK1A0573	✓	✓
6	19 AK1A05B7	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

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Annamacharya Institute of Technology and Sciences(Autonomous)

Venkatapuram (V), Karakambadi Road, Renigunta (M)

Department of AI&DS

REMEDIAL CLASS FOR MID I FAILURES

TIME TABLE

Year: II **Time:4.20pm to 5.00pm**

Date	Subject Code	Subject Name	Staff Name	Signature
27.6.22	20APC3009	Computer Networks	Mr.T.Venkata Rathnam	
28.6.22	20APC3011	Data warehousing and Mining	Mr.P.Ramprakash Reddy	
29.6.22	20APC3013	Operating Systems	Mr.B.Purushotham	
30.6.22	20APC3009	Computer Networks	Mr.T.Venkata Rathnam	
1.7.22	20APC3011	Data warehousing and Mining	Mr.P.Ramprakash Reddy	
4.7.22	20APC3013	Operating Systems	Mr.B.Purushotham	

HOD

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Department of AI&DS

REMEDIAL CLASS ATTENDANCE SHEET

(20APC3009)Computer Networks

YEAR : II **TIME: 4.20 pm to 5 pm**

STAFF NAME: T. Venkata Rathnam

S.NO	ROLL NO	Dt: 27/6/22	Dt: 30/6/22
1	20AK1A3012	✓	✓
2	20AK1A3030	✓	✓
3	20AK1A3041	✓	✓
4	20AK1A3046	✓	✓
5	21AK5A3003	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

Venkat Rathnam

STAFF SIGN

HEAD
Dept. of Computer Science & Engg
Annamacharya Institute of
Technology & Sciences, Tirupati-5

Annamacharya Institute of Technology and Sciences (Autonomous)

Venkatapuram (V), Karakambadi Road, Renigunta (M)

Department of AI&DS

REMEDIAL CLASS ATTENDANCE SHEET

(20APC3011)Data warehousing and Mining

YEAR :II **TIME: 4.20 pm to 5 pm**

STAFF NAME: P. Ramprakash Reddy

S.NO	ROLL NO	Dt: 28-6-22	Dt: 1-7-22
1	20AK1A3011	✓	✓
2	20AK1A3014	✓	✓
3	20AK1A3030	✓	✓
4	20AK1A3041	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

PR

STAFF SIGN

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Dept. of Computer Science & Engg
Annamacharya Institute of
Technology & Sciences, Tirupati-5

Annamacharya Institute of Technology and Sciences(Autonomous)

Venkatapuram (V), Karakambadi Road, Renigunta (M)

Department of AI&DS

REMEDIAL CLASS ATTENDANCE SHEET

(20APC3013)Operating Systems

YEAR : II **TIME: 4.20 pm to 5pm**

STAFF NAME: B. Purushotham

S.NO	ROLL NO	Dt: 2/6	Dt: 4/7
1	20AK1A3046	P	P
2	20AK1A3030	AB	P
3	20AK1A3041	P	P

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

B. Purushotham

STAFF SIGN

HEAD
Dept. of Computer Science & Engg
Annamacharya Institute of
Technology & Sciences, Tirupati-5

Annamacharya Institute of Technology and Sciences(Autonomous)

Venkatapuram (V), Karakambadi Road, Renigunta (M)

Department of CIC

REMEDIAL CLASS FOR MID I FAILURES

TIME TABLE

Year: II **Time: 4.20 pm to 5 pm**

Date	Subject Code	Subject Name	Staff Name	Signature
27.6.22	20APC3606	Computer Organization	Dr.N.Badrinath	
28.6.22	20APC3607	Computer Networks	Mr.Y.Pedanarasa Reddy	
29.6.22	20APC3609	Object Oriented Programming through Java	Mr.V.Syam Sudha	
30.6.22	20APC3611	Operating Systems	Mrs.E.Swetha	
1.7.22	20AHSMB01	Managerial Economics and Financial Analysis	Dr.D.Shehanaz	
4.7.22	20APC3606	Computer Organization	Dr.N.Badrinath	
5.7.22	20APC3607	Computer Networks	Mr.Y.Pedanarasa Reddy	
6.7.22	20APC3609	Object Oriented Programming through Java	Mr.V.Syam Sudha	
7.7.22	20APC3611	Operating Systems	Mrs.E.Swetha	
8.7.22	20AHSMB01	Managerial Economics and Financial Analysis	Dr.D.Shehanaz	

HOD

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-517 520

Annamacharya Institute of Technology and Sciences(Autonomous)

Venkatapuram (V), Karakambadi Road, Renigunta (M)

Department of CIC

REMEDIAL CLASS ATTENDANCE SHEET

(20APC3606) Computer Organization

YEAR : II **TIME: 4.20 pm to 5pm**

STAFF NAME: Dr. N. Badrinath

S.NO	ROLL NO	Dt: 27/6/22	Dt: 4/7/22
1.	20AK1A3603	✓	✓
2.	20AK1A3634	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

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Dept. of Computer Science & Engg.
Annamacharya Institute of
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Annamacharya Institute of Technology and Sciences(Autonomous)

Venkatapuram (V), Karakambadi Road, Renigunta (M)

Department of CIC

REMEDIAL CLASS ATTENDANCE SHEET

(20APC3607)Computer Networks

YEAR: II **TIME: 4.20 pm ~~to 5~~ pm**

STAFF NAME: Y. Peddanarasa Reddy

S.NO	ROLL NO	Dt: 28/06/22	Dt: 05/7/22
1.	20AK1A3603	/	/
2.	20AK1A3612	/	AB
3.	20AK1A3624	/	/
4.	20AK1A3634	/	/

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

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Annamacharya Institute of Technology and Sciences(Autonomous)

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Department of CIC

REMEDIAL CLASS ATTENDANCE SHEET

(20APC3609)Object Oriented Programming through Java

YEAR : II **TIME: 4.20 pm to 5 pm**

STAFF NAME: V. Syam Sudha

S.NO	ROLL NO	Dt: 29/6/22	Dt: 06/7/22
1.	20AK1A3602	✓	✓
2.	20AK1A3609	✓	✓
3.	20AK1A3612	AB	✓
4.	20AK1A3624	✓	✓
5.	20AK1A3625	✓	✓
6.	20AK1A3634	✓	AB

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

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Department of CIC

REMEDIAL CLASS ATTENDANCE SHEET

(20APC3611)Operating Systems

YEAR :II **TIME: 4.20pm to 5pm**

STAFF NAME: E. Swetha

S.NO	ROLL NO	Dt: 30/6/22	Dt: 7/7/22
1.	20AK1A3603	✓	✓
2.	20AK1A3612	✓	✓
3.	20AK1A3613	✓	✓
4.	20AK1A3621	AB	✓
5.	20AK1A3624	✓	✓
6.	20AK1A3636	✓	AB
7.	20AK1A3644	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

Swetha

STAFF SIGN

HEAD
Dept. of Computer Science & Engg
Annamacharya Institute of
Technology & Sciences, Tirupati-5

Annamacharya Institute of Technology and Sciences(Autonomous)

Venkatapuram (V), Karakambadi Road, Renigunta (M)

Department of CIC

REMEDIAL CLASS ATTENDANCE SHEET

(20AHSMB01)Managerial Economics and Financial Analysis

YEAR : II **TIME: 4.20 pm to 5pm**

STAFF NAME: Dr. D. Shehanaz

S.NO	ROLL NO	Dt: 01/07/22	Dt: 08/7/22.
1.	20AK1A3634	✓	AB
2.	20AK1A3638	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal ~~exam~~.

D. Sha

STAFF SIGN

HEAD
Dept. of Computer Science & Engg
Annamacharya Institute of
Technology & Sciences, Tirupati-5

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS): TIRUPATI
Department of Computer Science and Engineering

Date: 13/05/2022

Circular

It is to inform that the III B.Tech, II sem (2021-22) Remedial Classes have been scheduled to commence from 16/05/2022. The aim of conducting this program is to upgrade the academic level of slow learners and make them regular to classes. The teacher has to engage the Remedial Classes during 4:20 – 5:00 PM everyday according to the time table given. So the teachers have to follow the instructions.

1. Attend the remedial classes on time according to schedule.
2. If a teacher is on leave, he/she has to make alternative arrangement.
1. Encourage the students to attend the classes without fail and explain the benefits of the remedial classes.
3. Take attendance of the students without fail with a separate register available in the department.
4. Bring the absentees to the notice of the Head of CSE.

SIGNATURE OF HOD

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-5

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-5

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS): TIRUPATI
Department of Computer Science and Engineering

To

The Principal

AITS, Tirupati

Date: 13/05/2022

It is brought to your kind notice that remedial classes are conducted for III B.Tech, II semester students of this academic year from 16/05/2022-31/05/2022. The identified students are those who secured less than or equal to 60% of marks in 1st mid exams. The purpose of conducting extra classes is to obtain a very good pass percentage in the university exams by creating serious academic pursuit. The students not listed may also attend the classes and get extra benefits from the college.

Yours faithfully,

HOD/CSE

HEAD
Dept. of Computer Science & Engg
Annamacharya Institute of
Technology & Sciences, Tirupati-5

Encls: The list of students who need remedial coaching.

HEAD
Dept. of Computer Science & Engg
Annamacharya Institute of
Technology & Sciences, Tirupati-5

Annamacharya Institute of Technology and Sciences(Autonomous)
Venkatapuram (V), Karakambadi Road, Renigunta (M)
Department of Computer Science & Engineering

Date: 13.5.22

CIRCULAR

In the view of improving the pass percentage of the B.Tech III students, the classes for the failures in the I mid exam subjects is scheduled as per the time table given below. The students are strictly instructed to adhere the time table and attendance is mandatory, if there any deviation will be viewed seriously.

HOD

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-517 52(

Annamacharya Institute of Technology and Sciences::Tirupati

Department of Computer Science & Engineering

REMEDIAL CLASS FOR MID I FAILURES

TIME TABLE

Year: III A&B **Time: 4.20 pm to 5 pm**

Date	Subject Code	Subject Name	Staff Name	Signature
16.5.22	19APC0510	Computer Networks	Mrs.P.Charishma/ Mr.G.Rama Krishna/ Dr.K.Navaz	
17.5.22	19APC0516	Grid and Cloud Computing	Mr.G.Lakshmi Narayana/ Mrs.H.Teja/ Mr.B.Sunil kumar	H.Teja
18.5.22	19APC0513	Machine Learning	Mr.B.Ramana Reddy/ Mr.S.Siva /Ms.O.Sahithya	
19.5.22	19APC0523	Web Programming	Mr.T.Sai Kishore/ Mr.A.Shankar Reddy/Mr.J.Chandra Babu	
20.5.22	19APE0505	Cyber Security	Mr.S.Sundara pandiyan/ Mr.C.Banu Prakash/ Mr.C.Radha Krishna Murthy	
21.5.22	19APE0413	Cellular and Mobile Communications	Ms.G.Anitha Rani/ Ms.K.B.Meena kumari / Ms.E.Devi Sri	G.Anitha
23.5.22	19APC0510	Computer Networks	Mrs.P.Charishma/ Mr.G.Rama Krishna/ Dr.K.Navaz	
24.5.22	19APC0516	Grid and Cloud Computing	Mr.G.Lakshmi Narayana/ Mrs.H.Teja/ Mr.B.Sunil kumar	H.Teja
25.5.22	19APC0513	Machine Learning	Mr.B.Ramana Reddy/ Mr.S.Siva /Ms.O.Sahithya	
26.5.22	19APC0523	Web Programming	Mr.T.Sai Kishore/ Mr.A.Shankar Reddy/Mr.J.Chandra Babu	
27.5.22	19APE0505	Cyber Security	Mr.S.Sundara pandiyan/ Mr.C.Banu Prakash/ Mr.C.Radha Krishna Murthy	
28.5.22	19APE0413	Cellular and Mobile Communications	Ms.G.Anitha Rani/ Ms.K.B.Meena kumari / Ms.E.Devi Sri	G.Anitha
30.5.22	19APC0516	Grid and Cloud Computing	Mr.G.Lakshmi Narayana/ Mrs.H.Teja/ Mr.B.Sunil kumar	H.Teja
31.5.22	19APC0513	Machine Learning	Mr.B.Ramana Reddy/ Mr.S.Siva /Ms.O.Sahithya	

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Department of Computer Science & Engineering

REMEDIAL CLASS ATTENDANCE SHEET

(19APC0516)Grid and Cloud Computing

YEAR : III **TIME: 4.20 pm to 5pm**

STAFF NAME: H.Teja

S.NO	ROLL NO	Dt: 17/5/22	Dt: 24/5/22	Dt: 30/5/22
1.	19AK1A0516	✓	✓	✓
2.	19AK1A0539	✓	✓	✓
3.	19AK1A0543	✓	A	✓
4.	19AK1A0544	✓	✓	✓
5.	19AK1A0555	✓	✓	✓
6.	19AK1A0559	✓	✓	✓
7.	19AK1A0560	A	✓	✓
8.	19AK1A0562	✓	✓	✓
9.	19AK1A0565	✓	✓	✓
10.	19AK1A0568	✓	✓	✓
11.	19AK1A0570	✓	✓	✓
12.	19AK1A05B1	✓	✓	✓
13.	19AK1A05D7	✓	✓	A
14.	19AK1A05D8	✓	✓	✓
15.	19AK1A05D5	✓	✓	✓
16.	19AK1A05E1	✓	✓	✓
17.	19AK1A05E4	✓	✓	✓
18.	19AK1A05H9	✓	✓	✓
19.	19AK1A05I2	✓	✓	✓
20.	19AK1A05J1	✓	✓	✓
21.	19AK1A05J3	A	✓	✓
22.	18AK1A05B8	✓	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

H.Teja
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Department of Computer Science & Engineering

REMEDIAL CLASS ATTENDANCE SHEET

(19APC0510) Computer Networks

YEAR : III **TIME: 4.20 pm to 5 pm**

STAFF NAME: P. Charishma

S.NO	ROLL NO	Dt: 16/5/22	Dt: 23/5/22
1.	19AK1A0516	✓	AB
2.	19AK1A0548	✓	✓
3.	19AK1A0565	✓	✓
4.	19AK1A05A9	AB	✓
5.	19AK1A05D5	✓	✓
6.	19AK1A05E5	✓	✓
7.	19AK1A05H9	✓	✓
8.	18AK1A05B8	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

Charishma

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Department of Computer Science & Engineering

REMEDIAL CLASS ATTENDANCE SHEET

(19APC0513)Machine Learning

YEAR: III **TIME: 4.20 pm to 5 pm**

STAFF NAME: B. Ramana Reddy

S.NO	ROLL NO	Dt: 18/5/22	Dt: 25/5/22
1.	19AK1A0516	✓	✓
2.	19AK1A0524	✓	✓
3.	19AK1A0527	✓	AB
4.	19AK1A05C0	✓	
5.	19AK1A05I6	✓	✓
6.	19AK1A05I9	AB	✓
7.	19AK1A05J3	✓	✓
8.	18AK1A05B8	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

B. Ramana Reddy

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Department of Computer Science & Engineering

REMEDIAL CLASS ATTENDANCE SHEET

(19APC0523)Web Programming

YEAR : III **TIME: 4.20 pm to 5pm**

STAFF NAME: J. ChandraBabu

S.NO	ROLL NO	Dt: 19/5/22	Dt: 26/5/22
1.	19AK1A0516	✓	✓
2.	19AK1A0533	✓	✓
3.	19AK1A0581	✓	✓
4.	19AK1A05C0	✓	AB
5.	19AK1A05B3	✓	✓
6.	18AK1A05B8		✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

J.ChB

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Department of Computer Science & Engineering

REMEDIAL CLASS ATTENDANCE SHEET

(19APE0505)Cyber Security

YEAR :III **TIME: 4.20pm to 5pm**

STAFF NAME: S. SundaraPandiyan

S.NO	ROLL NO	Dt: 20/5/22	Dt: 27/5/22
1.	19AK1A0516	✓	✓
2.	19AK1A0527	✓	✓
3.	19AK1A0581	✓	✓
4.	19AK1A05C0	✓	✓
5.	18AK1A05B8	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

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Department of Computer Science & Engineering

REMEDIAL CLASS ATTENDANCE SHEET

(19APE0413) Cellular and Mobile Communications

YEAR :III **TIME: 4.20 pm to 5 pm**

STAFF NAME: G. Anitha Rani

S.NO	ROLL NO	Dt: 21/5/22	Dt: 28/5/22
1	19AK1A0511	✓	AB
2	19AK1A0524	✓	✓
3	19AK1A0527	✓	✓
4	19AK1A0543	✓	✓
5	19AK1A0565	✓	✓
6	19AK1A05C0	AB	✓
7	20AK1A05D6	✓	✓
8	19AK1A05D2	✓	✓
9	19AK5A05D5	✓	AB
10	19AK1A05H6	✓	AB
11	19AK1A05H7	✓	✓
12	19AK1A05J1	✓	✓
13	19AK1A05J3	✓	✓
14	19AK1A05J4	✓	✓
15	18AK1A05B8	✓	✓

Note: Weak students are the students who get <15.0 marks out of 30.0 in Internal exam.

STAFF SIGN

G. Anitha

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: TIRUPATI
(AUTONOMOUS)
MARKS STATEMENT FOR MID TERM EXAMINATIONS

Name of the Examination : B.Tech / M.Tech / MBA I Mid Examinations | AY : 2021-2022

Year : III Semester : II Branch : CSE Section : A Date of Exam : 12/5/22

Full name of the Subject : Cyber Security Subject Code : 19APE0505

MARKS STATEMENT SHOULD BE SUBMITTED WITHIN 2 DAYS AFTER THE COMPLETION OF EXAM FOR SCRUTINY IN THE DEPARTMENT
KINDLY FILL THE DETAILS WITH BLUE / BLACK PEN ONLY AND SCRUTINY SHOULD BE DONE WITH RED PEN

No	ROLL NUMBER	1	2	3	4	5	6	DESCR... TOTAL	Condensed / Extrapolated MARKS (A)	OBJ... MARKS (B)	TOTAL MARKS (A+B)	MARKS AWARDED IN WORDS
1	19A91A05	4			8	5		20	14	10	24	TWO FOUR
2	02	7		4			8	19	13	10	23	TWO THREE
3	03	6		8			8	22	15	10	25	TWO FIVE
4	04		6	6		4		16	11	10	21	TWO ONE
5	05	5			5	4		14	10	10	20	TWO ZERO
6	06	6			4	6		16	11	10	21	TWO ONE
7	07	7		8			7	22	15	10	25	TWO FIVE
8	08	7	7	6		7		20	14	10	24	TWO FOUR
9	09		6	6		2	7	19	13	10	23	TWO THREE
10	10		6	7			6	19	13	10	23	TWO THREE
11	11	6		5		7		18	12	10	22	TWO TWO
12	12		6	8		8		22	15	10	25	TWO FIVE
13	14	5			7	6		18	12	10	22	TWO TWO
14	16	4		3			2	9	6	1	7	ZERO SEVEN
15	17	7	4	4	2		7	18	12	9	21	TWO ONE
16	18	7		8		8		23	16	10	26	TWO SIX
17	19	5		8			7	20	14	10	24	TWO FOUR
18	20	6			7		7	20	14	10	24	TWO FOUR
19	21		7		8		7	22	15	10	25	TWO FIVE
20	22	7		7			7	21	14	10	24	TWO FOUR
21	23	5		7			7	19	13	9	22	TWO TWO
22	24		3		5		6	14	10	10	20	TWO ZERO
23	25	6		6			6	18	12	10	22	TWO TWO
24	26		6	7			5	18	12	10	22	TWO TWO
25	27	7		4				11	8	5	13	ONE THREE
26	28		8	8			6	22	15	10	25	TWO FIVE
27	29		4	4		4		12	8	10	18	ONE EIGHT
28	30	6		8		8		22	15	10	25	TWO FIVE
29	31		6		6		7	19	13	10	23	TWO THREE
30	32	7		8			8	23	16	10	26	TWO SIX
31	33	4		6			6	16	11	10	21	TWO ONE
32	34	7		8			6	21	14	10	24	TWO FOUR
33	35	4		5			7	16	11	10	21	TWO ONE
34	36	6		6		7		19	13	10	23	TWO THREE
35	37		8	8			7	23	16	10	26	TWO SIX
36	38	4			7		7	18	12	10	22	TWO TWO
37	39		4	4	0		6	14	12	10	22	TWO TWO

Note: Every correction must be initialled by the Examiner & Scrutinizer

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No	ROLL NUMBER	1	2	3	4	5	6	DESCR... TOTAL	Condensed / Extrapolated MARKS (A)	OBJ... MARKS (B)	TOTAL MARKS (A+B)	MARKS AWARDED IN WORDS
38	19AK1A0540		4		8		8	20	14	10	24	Two Four
39	41	6			2		2	10	7	10	17	One Seven
40	42	7		8		3		18	12	9	21	Two One
41	43	4		8				12	8	10	18	One Eight
42	44	6		4			3	13	9	9	18	One Eight
43	45		8	6		8		22	15	10	25	Two Five
44	46	7		6			2	15	10	10	20	Two Zero
45	47	3		3	(1)	6	(2)	12	8	10	18	One Eight
46	48	6		6			3	15	10	8	18	One Eight
47	49	6			5		6	17	12	10	22	Two Two
48	50	7		7			7	21	14	10	24	Two Four
49	51	7		6			8	21	14	10	24	Two Four
50	53	8			9	9		26	18	10	28	Two Eight
51	54	9		8		9	(3)	26	18	10	28	Two Eight
52	55		6	6			7	19	13	9	22	Two Two
53	56	7		4			7	18	12	10	22	Two Two
54	57	7			8		7	22	15	10	25	Two Five
55	58		7	4		8		19	13	10	23	Two Three
56	59	8		7		7		22	15	10	25	Two Five
57	60	4			3		4	11	8	10	18	One Eight
58	61	8		9		9		26	18	10	28	Two Eight
59	62		6		5		8	19	13	10	23	Two Three
60	63		6	7			4	17	12	10	22	Two Two
61	64	8		9			6	23	16	10	26	Two Six
62	65	6		8		6		20	14	7	21	Two One
63	66		8	8			8	24	16	10	26	Two Six
64	67		6	8		8		22	15	10	25	Two Five
65	68	4		7	(4)		6	17	12	9	21	Two One
66												
67												
68												
69												
70												

Note: Every correction must be initialled by the Examiner & Scrutinizer

Total No. of Students: 65	No. of Students Absent: NILL	No. of Students Present: 65
Signature of Examiner Name: S. Swarna Pandiyan Date: 20/5/22	Signature of Scrutinizer Name: C. Ishan Prakash Date: 20/5/22	Signature of Dept. NBA Coordinator Name: Dr. K. Narma Date: 20/5/22
Signature of Coordinator (Academic Audit) Name: Dr. S. Jundish Date: 20/5/22	Signature of Head of the Department Date:	Valued Answer Scripts received Date & Signature of the Examination staff

Note: 1. Ensure that the above data is available either in the form of soft copy or Hard Copy in the department before doing signatures.
2. File this Copy in the Course File without fail.

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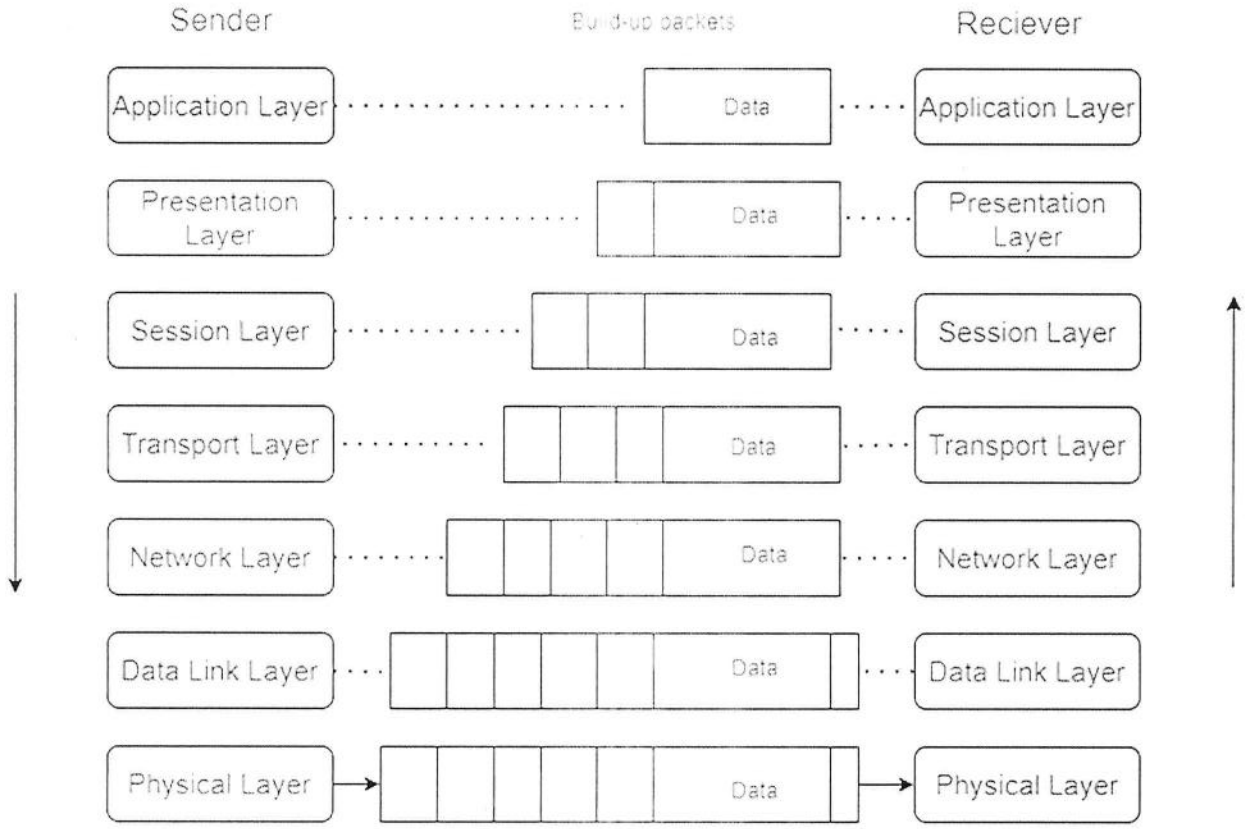
COURSE:Computer Network

Topic:The OSI Model

OSI stands for **Open Systems Interconnection**. It has been developed by ISO – '**International Organization for Standardization**', in the year 1984. It is a 7-layer architecture with each layer having specific functionality to perform. All these 7 layers work collaboratively to transmit the data from one person to another across the globe.



Layers of OSI Model

1. Physical Layer
2. Data Link Layer
3. Network Layer

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4. Transport Layer
5. Session Layer
6. Presentation Layer
7. Application Layer

Physical layer:

- The main functionality of the physical layer is to transmit the individual bits from one node to another node.
- It is the lowest layer of the OSI model.
- It establishes, maintains and deactivates the physical connection.
- It specifies the mechanical, electrical and procedural network interface specifications.

Data link layer:

- This layer is responsible for the error-free transfer of data frames.
- It defines the format of the data on the network.
- It provides a reliable and efficient communication between two or more devices.
- It is mainly responsible for the unique identification of each device that resides on a local network.
- It contains two sub-layers:
    - **Logical Link Control Layer**
        - It is responsible for transferring the packets to the Network layer of the receiver that is receiving.
    - **Media Access Control Layer**
        - A Media access control layer is a link between the Logical Link Control layer and the network's physical layer.

Network Layer:

- t is a layer 3 that manages device addressing, tracks the location of devices on the network.
- It determines the best path to move data from source to the destination based on the network conditions, the priority of service, and other factors.
- The Data link layer is responsible for routing and forwarding the packets.
- Routers are the layer 3 devices, they are specified in this layer and used to provide the routing services within an internetwork.
- The protocols used to route the network traffic are known as Network layer protocols. Examples of protocols are IP and Ipv6.

Transport Layer:

- The Transport layer is a Layer 4 ensures that messages are transmitted in the order in which they are sent and there is no duplication of data.
- The main responsibility of the transport layer is to transfer the data completely.
- It receives the data from the upper layer and converts them into smaller units known as segments.
- This layer can be termed as an end-to-end layer as it provides a point-to-point connection between source and destination to deliver the data reliably.

Session Layer:

- It is a layer 3 in the OSI model.
- The Session layer is used to establish, maintain and synchronizes the interaction between communicating devices.

- **Dialog control:** Session layer acts as a dialog controller that creates a dialog between two processes or we can say that it allows the communication between two processes which can be either half-duplex or full-duplex.
- **Synchronization:** Session layer adds some checkpoints when transmitting the data in a sequence. If some error occurs in the middle of the transmission of data, then the transmission will take place again from the checkpoint. This process is known as Synchronization and recovery.

Presentation Layer:

- A Presentation layer is mainly concerned with the syntax and semantics of the information exchanged between the two systems.
- It acts as a data translator for a network.
- This layer is a part of the operating system that converts the data from one presentation format to another format.
- The Presentation layer is also known as the syntax layer.

Application Layer:

- An application layer serves as a window for users and application processes to access network service.
- It handles issues such as network transparency, resource allocation, etc.
- An application layer is not an application, but it performs the application layer functions.
- This layer provides the network services to the end-users.

COURSE: COMPUTER NETWORKS

IMPORTANT QUESTIONS

UNIT 1

a) Explain different Layers and their functionalities in TCP/IP Model.

b) Discuss in detail about the LAN and WAN.

C) Discuss OSI Model breifly.

UNIT 2

a. Briefly discuss about data link layer design issues?

b. Explain about the data Link Layer switching

c. Explain about the Elementary data link protocols?

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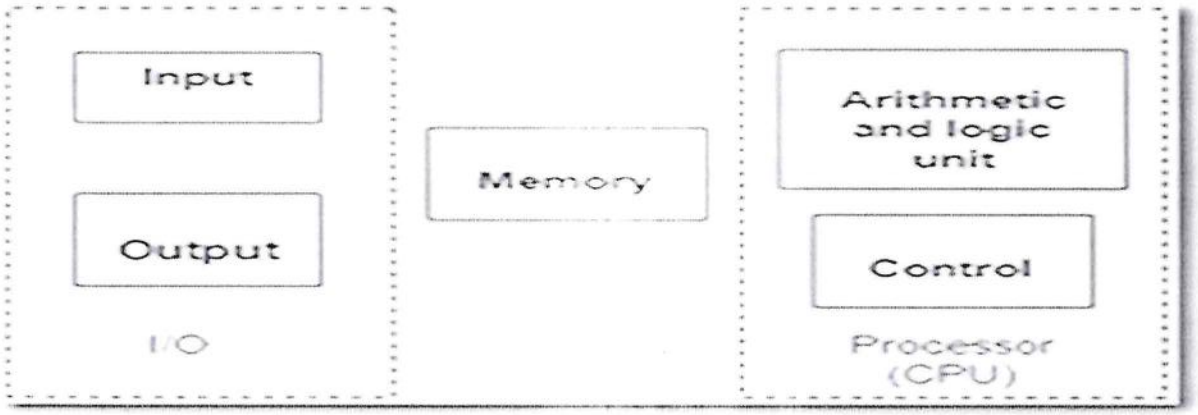
COURSE: Computer Organization

Topic: Functional Unit

A computer in its simplest form comprises five functional units namely input unit, output unit memory unit, arithmetic & logic unit and control unit. Depicts the functional units of a computer system.



Basic functional units of a computer

Let us discuss about each of them in brief:

1. **Input Unit**: Computer accepts encoded information through input unit. The standard input device is a keyboard. Whenever a key is pressed, keyboard controller sends the code to CPU/Memory. Examples include Mouse, Joystick, Tracker ball, Light pen, Digitizer, Scanner etc.
2. **Memory Unit:** Memory unit stores the program instructions (Code), data and results of computations etc. Memory unit is classified as:
    - Primary /Main Memory
    - Secondary /Auxiliary Memory

    Primary memory is a semiconductor memory that provides access at high speed. Run time program instructions and operands are stored in the main memory. Main memory is classified again as ROM and RAM. ROM holds system programs and firmware routines such as BIOS, POST, I/O Drivers that are essential to manage the hardware of a computer. RAM is termed as Read/Write memory or user memory that holds run time

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program instruction and data. While primary storage is essential, it is volatile in nature and expensive. Additional requirement of memory could be supplied as auxiliary memory at cheaper cost. **Secondary memories** are non volatile in nature.

3. **Arithmetic and logic unit:** ALU consist of necessary logic circuits like adder, comparator etc., to perform operations of addition, multiplication, comparison of two numbers etc.

4. **Output Unit:** Computer after computation returns the computed results, error messages, etc. via output unit. The standard output device is a video monitor, LCD/TFT monitor. Other output devices are printers, plotters etc.

5. **Control Unit:** Control unit co-ordinates activities of all units by issuing control signals. Control signals issued by control unit govern the data transfers and then appropriate operations take place. Control unit interprets or decides the operation/action to be performed.

The operations of a computer can be summarized as follows:

1. A set of instructions called a program reside in the main memory of computer.
2. The CPU fetches those instructions sequentially one-by-one from the main memory, decodes them and performs the specified operation on associated data operands in ALU.
3. Processed data and results will be displayed on an output unit.
4. All activities pertaining to processing and data movement inside the computer machine are governed by control unit.

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COURSE: Computer Organization

Important questions

Unit-1

1 .What are functional units? Discuss the basic functional units of a computer?

2.With a neat diagram explain the basic operational concepts of computer?

3.Discuss and differentiate multi computers and multi processors?

Unit-2

1 .what is an instruction code? Explain in detail various addressing modes.

2.explain difference between hardwire control and multiprograaamed control?

3.what is Addition and Subtraction of Signed Numbers? Give examples?

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Annamacharya Institute of Technology & Sciences Tirupati
(Autonomous)
Academic year 2021-22
DEPARTMENT OF MECHANICAL ENGINEERING

Date: 03-12-2021

CIRCULAR

It is here by informed tom all the faculty members of Mechanical Department that, after evaluation of I Mid Internal examination for III Year I semester, you are requested to identify the slow learners (who secured less than 15 Marks) in the concerned subjects and conduct the remedial classes according to the time table and record the attendance particulars.

M. Babu
HOD
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DEPT. OF MECHANICAL ENGG
AITS., TIRUPATI - 517 520

Annamacharya Institute of Technology & Sciences Tirupati
(Autonomous)
DEPARTMENT OF MECHANICAL ENGINEERING
Remedial Classes

Academic Year: 2021-22 Year & Sem: III-I

TIME TABLE

S.No	Day	Time	Subject	Faculty
1	Mon	4-15 to 5-00 PM	DOM	SRI K. KUMAR
2	Wed	4-15 to 5-00 PM	DMM-I	SMT. S. LAKSHMI
3	Fri	4-15 to 5-00 PM	MT	SMT. S. NISHANTHI

M.Behr
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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: TIRUPATI
DEPARTMENT OF MECHANICAL ENGINEERING
FOR THE ACADEMIC YEAR 2021-22 (ODD SEM)

List of Slow Learners for DOM

S.No	Hallticket No	MID-1
1	19AK1A0304	8
2	19AK1A0307	11
3	19AK1A0311	10
4	19AK1A0315	13
5	19AK1A0318	13
6	19AK1A0321	11
7	20AKSA0305	11
8	20AKSA0307	12

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DOM - I

Annamacharya Institute of Technology & Sciences Tirupati (Autonomous)

DEPARTMENT OF MECHANICAL ENGINEERING

Remedial Class Attendance

Academic Year: 2021 - 22
Subject Name: DOM
Year & Sem: III - I

Sl. No.	ROLL No.	Date															
		6/12	13/12	20/12	27/12	3/1											
1	19AK1A0304	A	✓	✓	✓	✓											
2	19AK1A0307	✓	✓	✓	✓	✓											
3	19AK1A0311	✓	✓	A	✓	✓											
4	19AK1A0315	✓	✓	✓	✓	✓											
5	19AK1A0318	✓	✓	✓	✓	✓											
6	19AK1A0321	✓	✓	✓	✓	✓											
7	20AK5A0305	✓	A	✓	✓	✓											
8	20AK5A0307	✓	✓	✓	✓	✓											
9																	
10																	
11																	
12																	
13																	
14																	
15																	

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DEPARTMENT OF MECHANICAL ENGINEERING
FOR THE ACADEMIC YEAR 2021-22 (ODD SEM)

List of Slow Learners for DMM-I

S.No	Hallticket No	MID-1
1	19AK1A0312	14
2	19AK1A0316	14
3	19AK1A0317	13
4	19AK1A0321	7
5	19AK1A0333	6
6	19AK1A0334	11
7	20AK5A0305	12

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DEPARTMENT OF MECHANICAL ENGINEERING
Remedial Class Attendance

Academic Year: 2021-22.
Subject Name: DMM-I
Year & Sem: III - I

Sl. No.	ROLL No.	Date															
		8/12	15/12	22/12	29/12												
1	20AK5A0305	A	✓	✓	A												
2	19AK1A0312	✓	✓	✓	✓												
3	19AK1A0316	✓	✓	✓	✓												
4	19AK1A0317	✓	✓	✓	✓												
5	19AK1A0321	A	✓	✓	✓												
6	19AK1A0333	✓	✓	A	A												
7	19AK1A0334	A	✓	✓	✓												
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

M Balaji
DEPT. OF MECHANICAL ENGG
AITS., TIRUPATI - 517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: TIRUPATI
DEPARTMENT OF MECHANICAL ENGINEERING
FOR THE ACADEMIC YEAR 2021-22 (ODD SEM)

List of Slow Learners for MT

S.No	Hallticket No	MID-1
1	19AK1A0304	13
2	19AK1A0312	10
3	19AK1A0320	14
4	19AK1A0321	5
5	19AK1A0333	8
6	20AK5A0307	10

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DEPT. OF MECHANICAL ENGG
AITS., TIRUPATI - 517 520

Annamacharya Institute of Technology & Sciences Tirupati (Autonomous)

DEPARTMENT OF MECHANICAL ENGINEERING

Remedial Class Attendance

Academic Year: 2021-22
Subject Name: MT
Year & Sem: III – I

Sl. No.	ROLL No.	Date																
		10/12	17/12	31/12	7/1													
1	19AK1A0304	✓	A	✓	✓													
2	19AK1A0312	✓	✓	✓	✓													
3	19AK1A0320	✓	✓	✓	✓													
4	19AK1A0321	✓	✓	✓	✓													
5	19AK1A0333	A	✓	✓	✓													
6	20AK5A0307	✓	✓	✓	✓													
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

HEAD
DEPT OF MECHANICAL ENGG
ANITS TIRUPATI - 517 520

15/12/2021

T.M.D.S. Goutham
19AK1A0312

DMM-I

1) A Bar of circular Iron section is subjected to table forces varying from minimum of 350kN to max of 700kN it is to be manfactured with a ultimate tensile force of 900mpa and endurenos limit 600mpa determine diameter of bar using safety factor of 3.5 related to endurenous limit and a stress concentration factor of 1.65 for static load use Goodman?

2) A 50mm diameter shaft is made from carbon steel having ultimate tensile strength 630mpa it is subjected to a car which circulates b/w 2000Nm - 800Nm using 800 derberg method calculate the factor of safety assuming suitable data for any other data needed?

Answers

1) Given data

$W_{max} = 700KN$

$W_{min} = 350kN$

$\sigma_u = 900mpa = 900N/mm^2$

$\sigma_e = 600mpa = 600N/mm^2$

$(F.S)e = 4$

Area of bar $(A) = \pi/4 d^2$

Max stress $(\sigma_{max}) = \frac{W_{max}}{Area}$

$= \frac{700 \times 10^3}{\pi/4 d^2} = \frac{2800 \times 10^3}{\pi d^2}$

min stress $(\sigma_{min}) = \frac{W_{min}}{Area} = \frac{350 \times 10^3}{\pi/4 d^2} = \frac{1400 \times 10^3}{\pi d^2}$

mean stress $(\sigma_m) = 1/2 \left[\frac{2800 \times 10^3}{\pi d^2} + \frac{1400 \times 10^3}{\pi d^2}\right]$

$= \frac{1}{2}\left[\frac{4200 \times 10^3}{\pi d^2}\right]$

$= \left[\frac{2100 \times 10^3}{\pi d^2}\right] = \frac{668.45 \times 10^3}{d^2}$

variable stress $(\sigma_v) = 1/2 \left[\frac{1400 \times 10^3}{\pi d^2}\right]$

$= \frac{700 \times 10^3}{\pi d^2} = \frac{222.81 \times 10^3}{d^2}$

According to the godmen eq

$1/FS = \frac{\sigma_v \times KF}{\sigma_e} + \frac{\sigma_m}{\sigma_u}$

Multiplying both sides with FS

$$1 = \frac{\sigma_v \times FS \times K_F}{\sigma_e} + \frac{\sigma_m FS}{\sigma_u}$$

$$1 = \left[\frac{\sigma_v \times K_F}{\sigma_e / FS_e} + \frac{\sigma_m}{\sigma_u / FS_u}\right]$$

$$1 = \left[\frac{668.4 \times 10^3 \times 3.5}{d^3 \times 900} + \frac{22.81 \times 10^3 \times 4 \times 1.5}{d^3 \times 600}\right]$$

$$1 = \left[\frac{2597.7}{d^3} + \frac{557.025}{d^3}\right]$$

$$d^3 = 2597.7 + 557.025$$

$$d^3 = 3154.725$$

$$\boxed{d = 56.161} \ N/mm^2$$

2) Given data

$d = 50mm$

$T_{max} = 2000 N-m$

$T_{min} = -800 N-m$

$\sigma_u = 630 mpa \Rightarrow 630 N/mm^2$

Assumptions :-

* the Endurance limit in reversed bending (σ_e) is taken as $\frac{1}{2}$ the σ_u & Endurance limit in shear is taken as $0.55\phi\,\sigma_e$

$$\therefore \sigma_e = 0.5\,\sigma_u$$

$$= 0.5(630)$$

$$= 315 N/mm^2$$

$\tau_e = 0.55\sigma_e$

$= 0.55(315)$

$= 73.2 N/mm^2$

* Assume the yield stress (σ_y) for carbon steel in reversed bending as $510 N/mm^2$ surface finish (k_{sur}) = 0.87, size factor (k_{s_2}) = 0.85, Fatigue stress concentration factor (K_{FS}) = 1

$\sigma_y = 510 N/mm^2$

$\tau_y = (0.5)\sigma_y$

$= 0.5 \times 510$

$= 255 N/mm^2$

Factor of safety (FS) = ?

we know that

$T_{mean} = \frac{T_{max} + T_{min}}{2} = \frac{2\times10^6 + (-8\times10^5)}{2}$

$= 600 \times 10^3 N-mm$

$T_{min} = \frac{T_{max} - T_{min}}{2} = \frac{2\times10^6 - (-8\times10^5)}{2}$

$= 1400 \times 10^3 N-mm$

Shear stress max = $\frac{16 T_{max}}{\pi d^3}$

$= \frac{16(2\times10^6)}{\pi(50)^3}$

$= 81.487 N/mm^2$

Shear stress min $= \frac{16 T_{min}}{\pi d^3}$

$= \frac{16 \times (-8 \times 10^5)}{\pi (50)^3}$

$= -32.594 \text{ N/mm}^2$

Mean ~~Shear~~ stress $= (T_{max} + T_{min})$

$= 81.487 + (-32.594)$

$= 24.445$

According to Soderberg eqn

$$\frac{1}{FS} = \frac{T_m}{T_y} + \frac{T_v \times K_{FS}}{T_e \times K_{SLR} \times K_{SZ}}$$

$$= \frac{24.4}{255} + \frac{57.03 \times 1}{17325 \times 0.187 \times 0.25}$$

$= 0.0776 + 0.4457$

$\frac{1}{FS} = 0.5233$

$FS = \frac{1}{0.5533}$

$\boxed{FS = 1.80}$

15/12/21

Annamacharya Institute of Technology & Sciences Tirupati
(Autonomous)
Academic year 2021-22
DEPARTMENT OF CIVIL ENGINEERING

Date: 1-2-2022

CIRCULAR

It is here by informed tom all the faculty members of CIVIL Department that, after evaluation of I Mid Internal examination for II Year I semester, you are requested to identify the slow learners (who secured less than 15 Marks) in the concerned subjects and conduct the remedial classes according to the time table and record the attendance particulars.

HOD

HEAD
Dept. of Civil Engg.
AITS, Tirupati-517 520

Verified on
21/12/2022
Audit Team Member

II-I			
S:NO	Faculty	Subject	Topics
1	Dr.N.Taraka Ramudu/Dr.V.K. Somasekhar Reddy	Probability & Statistics, PDE and Complex Variables	Binomial distributions,Mean,Mode,Median,Test Statistic,poissons distribution,Population and Sample - Confidence interval of mean from Normal distribution - Statistical hypothesis - Null and Alternative hypothesis - Level of significance. Test of significance - Test based on normal distribution - Z test for means and proportions.
2	M.Sri Priya/K.Sai Abhinav	Mechanics of Materials	Couples and Resultant of Force Systems. Equilibrium of system of Forces: Free body diagrams and Equations of Equilibrium of Coplanar Systems, support reactions for simply supported beam.Centroid and Center of Gravity,. Area moment of Inertia,Types of stresses and strains , Hooke's law ,S.F and B.M diagrams for cantilever, simply supported and over changing beams subjected to pointloads, uniformly distributed load, uniformly varying loads and combination of these loads –point of contra flexure – Relation between S.F, B.M and rate of loading at section of a beam.Determination of slope and deflection for cantilever and simply supported beams under point loads and U.D.L. -Mohr's theorems
3	A.Anil/A.Kranthi Kumar	Fluid Mechanics	Distinction between a fluid and a solid; Density, Specific weight, Specific gravity, Newton law of viscosity, Kinematic and dynamic viscosity; variation of viscosity with temperature,Pascal's law, and pressure variation with temperature, density and altitude. Piezometer, U-Tube Manometer, Single Column Manometer,U Tube Differential Manometervelocity potential function. One,two and three -dimensional continuity equations in Cartesian coordinates,Euler's equation; Bernoulli's equation – derivation; Energy Principle; Practical applications of Bernoulli's equation,Darcy –Weisbach equation

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Annamacharya Institute of Technology & Sciences Tirupati
(Autonomous)
DEPARTMENT OF CIVIL ENGINEERING
Remedial Classes

Academic Year: 2021-22 Year &Sem: II-1

TIME TABLE

S.No	Day	Time	Subject	Faculty
1	Mon	4-15 to 5-15 PM	P&S	Dr. N.Taraka Ramudu/ Dr.V.K.Somasekhar Reddy
2	Tue	4-15 to 5-15 PM	MM	M Sri Priya/K.Sai Abhinav
3	Wed	4-15 to 5-15 PM	FM	A.Anil/A.Kranthi Kumar
4	Thu	4-15 to 5-15 PM	P&S	Dr. N.Taraka Ramudu/ Dr.V.K.Somasekhar Reddy
5	Fri	4-15 to 5-15 PM	MM	M Sri Priya/K.Sai Abhinav
6	Sat	4-15 to 5-15 PM	FM	A.Anil/A.Kranthi Kumar

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AITS, Tirupati-517 520

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21/12/2021

Annamacharya Institute of Technology & Sciences Tirupati (Autonomous)

DEPARTMENT OF CIVIL ENGINEERING

Remedial Classes

Attendance

Academic Year: 2021 - 2022
Subject Name: FM
Year &Sem: II - I

Sl. No.	ROLL No.	Date															
		10/2	13/2	17/2	20/2	24/2	27/2	3/3	6/3								
1.	19AK1A0120	1	A	2	3	4	5	6	7								
2.	20AK1A0104	1	2	3	4	5	A	6	7								
3.	20AK1A0106	1	2	3	4	5	6	7	8								
4.	20AK1A0111	1	2	A	A	3	4	5	6								
5.	20AK1A0112	1	2	3	4	5	6	7	8								
6.	20AK1A0113	A	1	2	3	4	5	6	7								
7.	20AK1A0114	1	2	3	4	A	5	6	7								
8.	20AK1A0118	1	2	A	3	4	5	6	7								
9.	20AK1A0123	A	1	2	3	4	5	6	A								
10.	20AK1A0128	1	A	2	3	4	5	6	7								
11.	20AK1A0129	1	2	3	4	5	6	7	8								
12.	20AK1A0134	1	2	3	4	5	6	7	8								
13.	20AK1A0138	1	2	3	4	5	6	A	7								
14.	20AK1A0139	1	2	3	4	5	6	7	8								
		A1	A1	A1	A1	A1	A1	A1	A1								

Sl. No.	ROLL No.	Date															
		10/2	13/2	17/2	20/2	24/2	27/2	3/3	6/3								
15.	20AK1A0144	1	2	3	4	5	6	7	8								
16.	20AK1A0145	1	A	2	3	4	A	5	6								
17.	20AK1A0154	1	2	3	4	5	6	7	8								
18.	20AK1A0155	1	2	A	3	4	5	6	7								
19.	20AK1A0157	A	1	2	3	4	5	6	7								
20.	20AK1A0160	1	2	3	4	5	6	7	8								
21.	20AK1A0161	1	2	3	4	A	5	6	7								
22.	20AK1A0162	1	2	3	4	5	6	7	8								
23.	20AK1A0163	1	A	2	3	4	5	6	7								
24.	20AK1A0164	1	2	3	A	A	4	5	6								
25.	20AK1A0170	1	2	3	4	5	6	A	7								
26.	20AK1A0172	1	2	3	4	5	6	7	8								
27.	20AK1A0173	1	2	3	4	5	6	7	A								
28	20AK1A0175	1	2	3	4	5	6	7	8								
29.	21AK1A0103	A	1	2	3	4	A	5	6								
30	21AK1A0111	1	2	3	4	5	6	7	8								
31	21AK1A0114	1	2	3	4	5	6	7	A								
32.	21AK1A0119	1	2	3	A	4	5	6	7								
33.	21AK1A0121	1	2	3	4	5	6	A	7								

A1 A1 A1 A1 A1 A1 A1 A2

Sl. No.	ROLL No.	Date							
		10/2	13/2	17/2	20/2	24/2	27/2	3/3	6/3
34.	21AKSAO123	1	2	3	4	5	6	7	8
35.	21AKSAO125	1	2	A	3	4	5	6	A
36.	21AKSAO128	1	2	3	4	5	6	7	8
37.	21AKSAO133	1	2	3	4	5	6	7	8
38.	21AKSAO134	A	1	2	3	4	5	6	7
39.	21AKSAO135	1	2	3	4	A	A	5	6
40.	21AKSAO137	1	A	2	3	4	5	6	7
41.	21AKSAO140	1	2	3	4	5	6	7	8
42.	21AKSAO142	1	2	3	4	A	5	6	A
43.	21AKSAO146	1	2	3	4	5	6	7	8
44.	21AKSAO147	1	2	3	A	4	5	6	7
45.	21AKSAO148	A	1	2	3	4	5	6	7
46.	21AKSAO151	1	2	3	4	5	6	7	8
47.	21AKSAO155	1	A	2	3	4	5	6	7
48.	21AKSAO163	1	2	3	4	5	6	A	7
49.	21AKSAO175	1	2	3	4	5	6	7	8
50.	21AKSAO179	1	2	3	4	5	A	6	7
51.	21AKSAO182	1	2	A	3	4	5	6	7
52.	21AKSAO183	1	2	3	4	5	6	7	8

HEAD
Dept. of Civil Engg.
AITS, Tirupati-517 520

Annamacharya Institute of Technology & Sciences Tirupati (Autonomous)

DEPARTMENT OF CIVIL ENGINEERING

Remedial Classes

Attendance

Academic Year: 2021-2022
Subject Name: MM
Year &Sem: II-I

Sl. No.	S.No / ROLL No. / Date	1	2	3	4	5	6	7	8	Date							
		9/2	12/2	16/2	19/2	23/2	26/2	2/3	5/3								
1.	20AK1A0101	1	A	2	3	4	5	6	7								
2.	20AK1A0106	1	2	3	4	5	6	A	7								
3.	20AK1A0111	1	2	3	A	4	5	6	7								
4.	20AK1A0112	1	2	3	4	5	6	7	8								
5.	20AK1A0113	1	2	A	3	4	5	6	7								
6.	20AK1A0118	1	2	3	4	5	6	7	8								
7.	20AK1A0129	1	2	3	4	A	5	6	7								
8.	20AK1A0134	1	2	3	4	5	6	7	8								
9.	20AK1A0136	1	A	2	3	4	5	6	7								
10.	20AK1A0139	1	2	3	4	A	5	6	7								
11.	20AK1A0141	1	2	3	4	5	6	7	8								
12.	20AK1A0144	1	2	3	4	5	6	7	A								
13.	20AK1A0145	1	2	3	A	4	5	6	7								
14.	20AK1A0148	1	2	3	4	5	6	7	8								

Sl. No.	ROLL No.	SNO	1	2	3	4	5	6	7	8	Date							
		Date	9/2	12/2	16/2	19/2	23/2	26/2	2/3	5/3								
15.	20AK1A0152		1	A	2	3	4	5	6	7								
16.	20AK1A0153		1	2	3	4	5	6	7	8								
17.	20AK1A0154		1	2	3	A	4	5	6	7								
18.	20AK1A0155		1	2	3	4	5	6	7	8								
19.	20AK1A0157		1	A	A	2	3	4	5	6								
20.	20AK1A0159		1	2	3	4	5	A	6	7								
21.	20AK1A0160		1	2	A	3	4	5	6	7								
22.	20AK1A0161		1	2	3	4	5	6	7	8								
23.	20AK1A0162		1	2	3	4	5	6	7	A								
24.	20AK1A0163		1	A	2	3	4	5	6	7								
25.	20AK1A0164		1	2	3	4	5	6	7	8								
26.	20AK1A0168		1	2	3	4	A	5	A	6								
27.	20AK1A0170		1	2	3	4	5	6	7	8								
28.	20AK1A0173		1	A	2	3	A	4	5	6								
29.	20AK1A0176		1	2	3	A	4	5	6	7								
30.	20AK1A0177		1	2	3	4	5	6	A	7								
31.	21AK5A0105		1	2	A	3	4	5	6	7								
32.	21AK5A0121		1	2	3	4	5	A	6	7								
33.	21AK5A0123		A	1	2	3	4	5	6	7								

Sl. No.	ROLL No. S-No / Date	1	2	3	4	5	6	7	8 Date
		9/2	12/2	16/2	19/2	23/2	26/2	2/3	5/3
34.	21AKSAD147	1	2	A	3	4	5	6	7
35.	21AKSAD148	1	2	3	4	5	6	7	8
36.	21AKSAD155	1	A	2	3	A	4	5	6
37.	21AKSAD156	1	2	3	4	5	6	7	A
38.	21AKSAD175	1	2	3	A	4	5	6	7
		M	M	M	M	M	M	M	M

Verified on 21/12/20

HEAD
Dept. of Civil Engg.
AITS, Tirupati-517 507

Annamacharya Institute of Technology & Sciences Tirupati (Autonomous)
DEPARTMENT OF CIVIL ENGINEERING
Remedial Classes
Attendance

Academic Year: 2021-2022
Subject Name: P&S
Year &Sem: II-I

Sl. No.	ROLL No.	Date															
		8/2	11/2	15/2	18/2	22/2	25/2	1/3	4/3								
1	19AK1A0120	1	2	3	4	5	6	7	8								
2	20AK1A0101	1	A	2	3	4	5	6	7								
3	20AK1A0103	1	2	3	4	A	5	6	7								
4	20AK1A0104	1	2	3	4	5	6	7	8								
5	20AK1A0106	1	2	3	A	4	5	6	7								
6	20AK1A0111	1	2	3	4	5	6	7	8								
7	20AK1A0113	1	2	A	3	4	5	6	7								
8.	20AK1A0118	1	2	3	4	5	6	7	A								
9.	20AK1A0121	1	2	3	4	5	6	7	8								
10.	20AK1A0129	1	2	A	3	4	5	6	7								
11.	20AK1A0134	1	2	3	4	5	6	7	8								
12.	20AK1A0136	1	2	3	4	5	6	7	8								
13.	20AK1A0137	1	2	3	A	A	4	5	6								
14.	20AK1A0138	1	2	3	4	5	6	7	8								

Sl. No.	ROLL No.	Date															
		8/2	11/2	15/2	18/2	22/2	25/2	1/3	4/3								
15.	20AK1A0139	1	2	3	4	5	6	7	8								
16	20AK1A0141	1	2	3	4	5	6	7	8								
17	20AK1A0142	1	A	2	3	4	5	6	7								
18	20AK1A0144	1	2	3	4	A	5	6	7								
19	20AK1A0145	1	2	3	4	5	6	7	8								
20	20AK1A0153	1	2	3	4	5	6	7	8								
21.	20AK1A0155	1	2	3	4	5	6	7	8								
22.	20AK1A0160	1	A	2	3	4	5	6	7								
23	20AK1A0162	1	2	3	4	5	6	A	7								
24	20AK1A0163	1	2	3	4	5	6	7	8								
25	20AK1A0170	1	2	3	4	A	5	6	7								
26	20AK1A0173	1	2	3	4	5	6	7	8								
27	21AK5A0103	1	2	3	A	4	5	6	7								
28	21AK5A0105	1	2	3	4	5	6	7	A								
29	21AK5A0113	1	2	3	4	5	A	6	7								
30	21AK5A0119	1	2	A	3	4	5	6	7								
31	21AK5A0121	1	2	3	4	5	6	7	8								
32	21AK5A0129	1	2	3	4	5	A	6	7								
33.	21AK5A0137	1	2	3	4	5	6	7	8								

Sl. No.	ROLL No.	Date							
		8/2	11/2	15/2	18/2	22/2	25/2	1/3	4/3
34.	21AK5A0142	1	2	A	3	4	5	6	7
35.	21AK5A0144	1	A	2	3	4	5	6	7
36.	21AK5A0147	1	2	3	A	4	5	6	7
37.	21AK5A0148	1	2	3	4	5	6	7	8
38.	21AK5A0150	1	A	2	3	4	5	6	7
39.	21AK5A0151	1	2	3	4	5	6	7	8
40.	21AK5A0153	1	2	3	4	5	A	6	7
41.	21AK5A0155	1	2	3	4	5	6	7	8
42.	21AK5A0170	1	A	2	3	4	5	6	A

HEAD
Dept. of Civil Engg.
AITS, Tirupati-517 520

Slip Test

Finite Element Method

Generation of element convergents:

A typical engineering design involves the prediction of deflections / displacements, stresses, natural frequencies, temperature distributions, etc. These parameters are used to iterate on material parameters and or geometry to optimize their behaviour. Traditional methods like hand calculations, involved idealization of physical models using simple equations to obtain solutions.

However, these approximations overs-simplify the problem and an analytical solution can only provide conversation estimates. Alternatively, FEM and other numerical methods are meant to provide an engineering analysis that takes into account much greater that takes into account detail something that would be impractical with hand calculations. FEM divides the body into smaller pieces, enforcing continuity of displacements along

these element boundaries. More information on "how FEM works" and "how to learn FEM" can be found in the respectively simscale articles.

Most linear problems do not need an iterative solution procedure. Mesh convergence is an important issue that needs to be addressed. Additionally, in non linear problems, convergence in the iteration procedure also also needs to be considered.

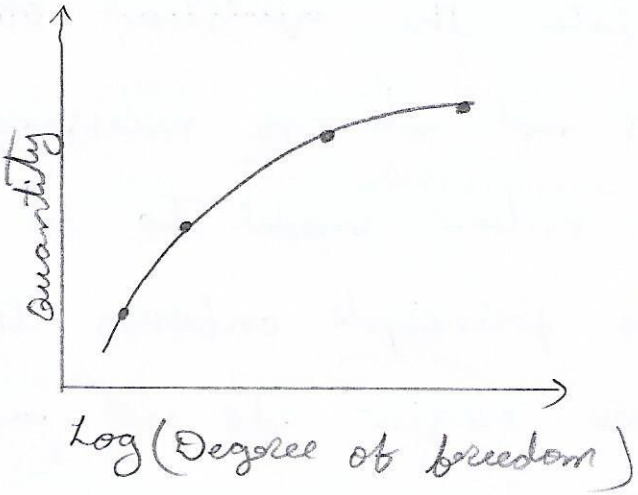
Mesh convergence: h- and P- refinement in finite element Analysis.

One of the most overlooked issues in computational mechanics that effects accuracy is mesh convergence. This is related to how small the elements need to be to ensure that the results of the finite element analysis are not affected by changing the size of the mesh. Such a refinement can allow an increase in the convergence of solutions without increasing the size of the overall problem.

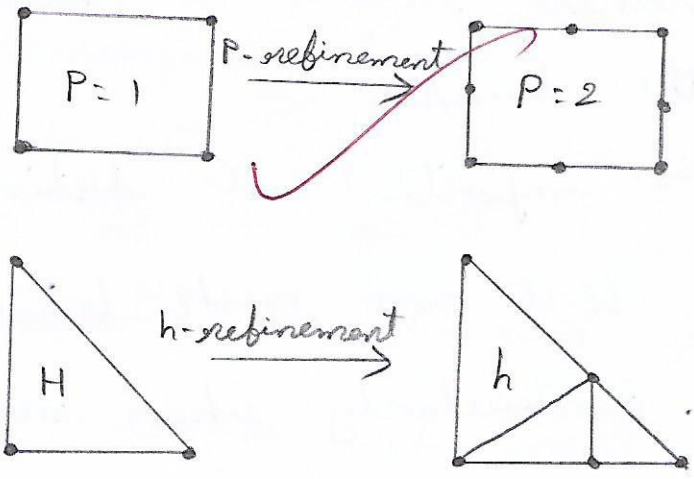
Going into the question of mesh refinement, is not always necessary for the mesh in the entire model to be refined. Saint-Venant's principle enforces that the local stresses in one region do not affect the stresses in one region do not elsewhere. Hence, from a physical point of view, the model can be refined only in particular regions of interest and further have a transition zone from a coarse to a fine mesh. There are two types of refinements.

h-refinement and P-refinement relates to the reduction to the element sizes, while p-refinement relates to increasing the order of the element.

It is important to distinguish between the geometric effect and mesh between the convergence. Particularly when meshing a curved surface using straight elements.



It is critical to first identify the quantity of interest. Atleast three points need to be considered and as the mesh density increases, the quantity of interest starts to converge to a particular value. If two subsequent mesh refinements do not change the result substaintially, then one can assume that the result has converged.



Mesh refinement of a structure

2.2.1 – ECE – File No.1

Annamacharya Institute of Technology & Sciences, Tirupati
(Autonomous)
Venkatapuram (Village), Renigunta (Mandal), Tirupati, Chittoor District, Andhra Pradesh – 517520.

CIRCULAR DATED 7.01.2023

It is in convention that Slow learners and Fast learners are identified every semester after the Mid-1 academic performance. The slow learners identified therein are counselled and remedial classes are conducted for them after the completion of regular academic classes, from 4.20PM to 5 PM. As the fast learners are considered to possess academically superior qualities, it is advised that they indulge themselves in more intense academic activities like preparation of projects, upskilling courses, group discussions, preparation of subject materials, laboratory exercises etc., during this time of recess for them. Better utilization of this time is believed to enhance their competence much better in the days to come.

Principal

PRINCIPAL
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
VENKATAPURAM (VIII.)
RENIGUNTA (M), TIRUPATI-517 520

Copy to:

1. Exam section.
2. All HODs with a request to circulate to all Faculty and students.
3. Notice boards.
4. IQAC.
5. File.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Venkatapuram(V), Karakambadi Road, Renigunta(M), Tirupati-517520, Chittoor (A.P)
Department of Electronics and Communication Engineering
e-mail: aitstpt.ece@gmail.com PH.NO:0877-2285608

No : AITS/ECE/2021-22/II Date:25-06-2022

Circular

It is to inform the II & IV B.Tech students that Remedial classes are going to conduct from 27/06/2022 in between 4.20PM - 5.10PM every day. The students list attached to this circular are identified and extra academic care is extended for obtaining a very good pass percentage in the university examinations. The students not listed may also attend the classes and get extra benefits from the academic.

N. Pushpalatha
HEAD
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Technology & Sciences. TIRUPATI-517 520

To

1. Faculty
2. File

N. Pushpalatha
HEAD
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Technology & Sciences. TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
Venkatapuram(V), Karakambadi Road, Renigunta(M), Tirupati-517520, Chittoor (A.P)
Department of Electronics and Communication Engineering
e-mail: aitstpt.ece@gmail.com PH.NO:0877-2285608

No : AITS/ECE/2021-22/II Date: 25-06-2022

Circular

It is to inform that the II & IV B.Tech, II sem (2021-22) Remedial Classes have been scheduled to commence from 27/06/2022. The aim of conducting this program is to upgrade the academic level of slow learners and make them regular to classes. The teacher has to engage the Remedial Classes during 4.20PM-5.10PM according to the time table given. So the teachers have to follow the instructions.

1. Encourage the students to attend the classes without fail and explain the benefits of the remedial classes.
2. Take attendance of the students without fail with a separate register available in the department.
3. If a teacher is on leave, he/she has to make alternate arrangement.
4. Bring the absentees to the notice of the Head.

N. Pushpalatha
HOD
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Technology & Sciences, TIRUPATI-517 520

To

1. Faculty
2. File

N. Pushpalatha
HEAD
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Technology & Sciences, TIRUPATI-517 520

Annamacharya Institute of Technology and Sciences
(Autonomous)
Department of Electronics and Communication Engineering

Remedial Classes Timetable for B.Tech II year II sem

S.NO.	DAY	TIME	SUBJECT	NAME OF THE FACULTY
1	MON	4:20PM-5:00PM	**ACS**	K.Vijaya lakshmi
2	TUE	4:20PM-5:00PM	**EMTL**	N.Dileep kumar
3	WED	4:20PM-5:00PM	**PTSP**	Y.Penchaliah
4	THU	4:20PM-5:00PM	**ECA**	A.S.Lavanya

N. Rathnadas
HEAD
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Technology & Sciences, TIRUPATI-517 520

Annamacharya Institute of Technology and Sciences
(Autonomous)
Department of Electronics and Communication Engineering

EMTL Subject Remedial Class Slow learners list

S.No	Student Roll Number	Name of the Student
1.	20AK1A0405	AKSHITHA M
2.	20AK1A0447	KALYAN SAI T
3.	20AK1A0448	KALYANI N
4.	20AK1A0462	MANOJ M
5.	20AK1A0474	NIKHIL C
6.	20AK1A0476	PRANEETHA G
7.	20AK1A0480	RAGHUNATH M
8.	20AK1A0492	SAI VARSHITH K
9.	20AK1A04A0	SESHIDHAR S
10.	20AK1A04B1	SURYA THEJ T
11.	20AK1A04D1	VIKINDRA REDDY P
12.	20AK1A04D2	VINAY KUMAR REDDY P
13.	20AK1A04D3	VINUHYA S
14.	20AK1A04D4	YAMINI M
15.	20AK1A04D5	YASHASWINI MURTHY K
16.	20AK1A04D6	YASWANTH REDDY R
17.	20AK1A04D8	YASWITHA V
18.	21AK5A0418	MUVAN TEJA E
19.	21AK5A0419	NAGESWAR RAJU K
20.	21AK5A0431	SUCHARITHA M
21.	21AK5A0440	YASHASWINI A
22.	21AK5A0442	MAHITH C
23.	19AK1A0413	P BABU(RJ_22)

N. Pushpalatha

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ANNAMACHARYA INISTITUTE OF TECH. AND SCIENCES-TIRUPATI

ELECTRONICS AND COMMUNICATIONS

ACS- SLOW LEARNERS ATTENDANCE LIST II YEAR I SEM (2021-22)

SL. NO	ROLL NO	Dt: 27/4/22	Dt: 4/5/22	Dt: 11/5/22	Dt: 18/5/22	Dt: 25/5/22	Dt:	Dt:	Dt:
1	20AK1A0404	P	P	P	P	P			
2	20AK1A0414	P	P	P	P	P			
3	20AK1A0418	P	P	P	P	P			
4	20AK1A0425	P	A	P	P	A			
5	20AK1A0439	P	P	P	P	P			
6	20AK1A0453	P	P	P	P	P			
7	20AK1A0457	P	P	P	P	P			
8	20AK1A0466	P	P	P	P	P			
9	20AK1A0474	A	P	P	P	P			
10	20AK1A0476	P	P	P	P	P			
11	20AK1A0492	P	P	A	P	P			
12	20AK1A04A0	P	P	P	A	P			
13	20AK1A04D1	P	P	P	P	P			
14	20AK1A04D2	P	P	P	P	P			
15	20AK1A04D3	P	P	P	P	P			
16	20AK1A04D4	P	P	P	P	A			
17	20AK1A04D5	A	P	P	P	P			
18	20AK1A04D6	P	P	P	P	P			
19	20AK1A04D8	P	P	P	P	P			
20	21AK5A0420	P	P	P	P	P			
21	21AK5A0431	P	P	P	A	P			
22	21AK5A0435	P	P	P	P	P			
23	21AK5A0438	P	A	P	P	P			
24	21AK5A0441	P	P	P	P	P			

K. Vijaya Lakshmi

N. Rushyendra Babu

HEAD

Dept. of Electronics & Communication Engg

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ANNAMACHARYA INISTITUTE OF TECH. AND SCIENCES-TIRUPATI

ELECTRONICS AND COMMUNICATIONS

EMTL- SLOW LEARNERS ATTENDANCE LIST II YEAR II SEM (2021-22)

SL. NO	ROLL NO	Dt: 30/6/22	Dt: 7/7/22	Dt: 9/7/22	Dt: 14/7/22	Dt: 22/7/22	Dt: 28/7/22	Dt:	Dt:
1	20AK1A0405	P	P	P	P	P			
2	20AK1A0447	P	P	P	P	P			
3	20AK1A0448	A	P	P	P	A			
4	20AK1A0462	P	P	A	P	P			
5	20AK1A0464	P	P	P	P	P			
6	20AK1A0474	P	P	P	P	P			
7	20AK1A0476	P	P	P	P	P			
8	20AK1A0477	P	P	P	A	P			
9	20AK1A0480	P	P	A	P	P			
10	20AK1A0492	P	P	P	P	P			
11	20AK1A04A0	P	A	P	P	P			
12	20AK1A04B1	P	P	P	P	A			
13	20AK1A04D1	P	P	P	P	P			
14	20AK1A04D2	P	P	P	P	P			
15	20AK1A04D3	P	P	P	P	P			
16	20AK1A04D4	P	P	P	P	P			
17	20AK1A04D5	P	P	P	P	P			
18	20AK1A04D6	P	A	P	P	P			
19	20AK1A04D8	P	P	P	P	P			
20	19AK1A04I2	P	P	P	A	A			
21	21AK5A0418	P	P	P	P	P			
22	21AK5A0419	A	P	P	P	P			
23	21AK5A0431	P	P	P	P	P			
24	21AK5A0440	P	P	P	P	P			
25	21AK5A0442	P	P	P	P	P			

N. Pushpalatha

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ANNAMACHARYA INISTITUTE OF TECH. AND SCIENCES-TIRUPATI

ELECTRONICS AND COMMUNICATIONS

PTSP - SLOW LEARNERS ATTENDANCE LIST III YEAR II SEM ACY- (2021-22)

Sl. NO	ROLL NO	Dt: 25/2/22	Dt: 5/7/22	Dt: 12/9/22	Dt: 19/9/22	Dt: 26/9/22	Dt:	Dt:	Dt:
1	19AK1A04A6	P	P	P	P	P			
2	19AK1A04F7	P	P	P	P	P			
3	19AK1A04I0	P	P	P	A	P			
4	19AK1A04I1	P	P	P	P	P			
5	19AK1A04J0	P	P	P	P	A			
6	19AK1A04J1	P	P	P	P	P			
7	19AK1A04H4	P	P	P	P	P			
8	20AK5A0416	P	P	P	P	P			

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ANNAMACHARYA INISTITUTE OF TECH. AND SCIENCES-TIRUPATI

ELECTRONICS AND COMMUNICATIONS

ECA- SLOW LEARNERS ATTENDANCE LIST II YEAR II SEM (2021-22)

SL. NO	ROLL NO	Dt: 29/6/22	Dt: 6/7/22	Dt: 8/7/22	Dt: 13/7/22	Dt: 21/7/22	Dt: 29/7/22	Dt:	Dt:
1	20AK1A0425	P	P	P	P	P			
2	20AK1A0439	P	P	P	P	P			
3	20AK1A0448	P	P	P	A	P			
4	20AK1A0474	P	P	P	P	P			
5	20AK1A0476	P	P	P	P	P			
6	20AK1A0480	P	P	P	P	P			
7	20AK1A0492	P	P	P	P	P			
8	20AK1A04A0	P	P	P	P	P			
9	20AK1A04B1	P	P	P	P	P			
10	20AK1A04D1	A	P	P	P	P			
11	20AK1A04D2	P	P	P	P	P			
12	20AK1A04D3	P	P	P	P	P			
13	20AK1A04D4	P	P	P	P	P			
14	20AK1A04D5	P	P	A	P	A			
15	20AK1A04D6	P	P	P	P	P			
16	20AK1A04D8	P	P	P	P	P			
17	21AK5A0407	P	P	P	P	P			
18	21AK5A0420	P	P	P	P	P			
19	21AK5A0431	P	P	P	P	P			
20	21AK5A0435	P	P	P	P	P			
21	21AK5A0441	A	P	P	A	P			
22	21AK5A0443	P	P	P	P	P			
23	21AK5A0444	P	P	P	P	P			

N. Pushpalatha

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Dept. of Electronics & Communication Engg

Annamacharya Institute of

Technology & Sciences, TIRUPATI-517 520

Method of Description for Remedial classes

1. Identified Slow Learners after the First Mid examination Academic Performance
2. The Slow learners can be identified those who got less than 50% of marks in Mid examinations
3. The Slow learners identified therein are counseled and Remedial classes are conducted for them after completion of regular academic classes from 4:20PM to 5:00PM
4. In the Remedial classes Critical topics and analytical problems will be identified in the subject and then we will conduct group discussions, preparation of tough topics, giving assignments and conducting slip test to the slow learners.
5. Assignments and Tests are assessed by the concerned subject faculty member.

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Annamacharya Institute of
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II B.Tech I sem

Electromagnetic Theory and Transmission Lines Topics in Remedial Class

S.No	Date	Topics Discussion
1.	30/6/22	Maxwells Two Equations for Electrostatic Fields and Illustrative Problems.
2.	7/7/22	Maxwells Two Equations for Magneto static Fields and Illustrative Problems.
3.	9/7/22	Boundary Conditions of Electromagnetic fields: Dielectric- Dielectric and Dielectric-Conductor Interfaces, Illustrative Problems.
4.	14/7/22	Wave Propagation in Lossless and Conducting Media
5.	22/7/22	Transmission line calculations with the help of Smith chart, Applications of transmission line

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES, TIRUPATI
(Autonomous)
Department of Electrical & Electronics Engineering

CIRCULAR

Based on the Academic performance in MID 1 examinations the following students are identified as a slow learners. We are planning to conduct the Remedial classes as per the following Schedule.

S.No	Name of the Student	Roll.No
1.	BHAVITHSREE B	18AK1A0203
2.	HASWANTH SAI P	18AK1A0205
3.	LAKSMI REDDY V	18AK1A0206
4.	MADHU PS	18AK1A0209
5.	ROOPESH B	18AK1A0210
6.	HARIPRASAD G	19AK5A0208
7.	UDAYATHEJA R	19AK5A0226
8.	RATHEESWAR REDDY.C	17AK1A0211

Schedule for Remedial classes:

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Flexible AC Transmission Systems (15A02708)	P.Sudheer	Monday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				
7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Power System Operation And Control (15A02702)	K.M. Sanjeeva Kumar	Tuesday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				
7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Utilization Of Electrical Energy (15A02703)	S.Shanmukhi Theja	Wednesday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				
7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Electrical Distribution System (15A02701)	Dr.K.Balaji Nanda Kumar Reddy	Thursday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				

7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Digital Signal Processing (15A04603)	Y.Penchalaiah	Friday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				
7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Energy Auditing & Demand side management (15A02706)	Dr.R.Murugesan	Saturday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				
7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

HOD-EEE

HEAD
Dept. of Electrical & Electronics Engg.
Annamacharya Institute of Technology & Sciences
TIRUPATI - 517 507

2.2.2(a)

Annamacharya Institute of Technology and Sciences::Tirupati

Venkatapuram (V), Karakambadi Road, Renigunta (M)

Department of Electrical & Electronics Engineering

List of Slow Learners

YEAR & SEMESTER: IV-I

S.NO	ROLL NO	NAME
1.	18AK1A0203	BHAVITHSREE B
2.	18AK1A0205	HASWANTH SAI P
3.	18AK1A0206	LAKSMI REDDY V
4.	18AK1A0209	MADHU PS
5.	18AK1A0210	ROOPESH B
6.	19AK5A0208	HARIPRASAD G
7.	19AK5A0226	UDAYATHEJA R
8.	17AK1A0211	RATHEESWAR REDDY.C

Signature of Subject Teacher

HOD

HEAD
Dept. of Electrical & Electronics Engg.
Annamacharya Institute of Technology & Sciences
TIRUPATI - 517 507

1. Dr.R.Murugesan
2. Dr.K.Balaji Nanda Kumar Reddy
3. S.Shanmukhi Theja
4. K.M. Sanjeeva Kumar
5. Y.Penchalaiah
6. P.Sudheer

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES :: TIRUPATI
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
REMEDIAL CLASS SCHEDULE for SLOW LEARNERS OF 4-1 class(2021-22)

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Flexible AC Transmission Systems (15A02708)	P.Sudheer	Monday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				
7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Power System Operation And Control (15A02702)	K.M. Sanjeeva Kumar	Tuesday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				
7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Utilization Of Electrical Energy (15A02703)	S.Shanmukhi Theja	Wednesday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				
7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Electrical Distribution System (15A02701)	Dr.K.Balaji Nanda Kumar Reddy	Thursday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				
7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Digital Signal Processing (15A04603)	Y.Penchalaiah	Friday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				
7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

S.NO	ROLL NO	NAME	SUBJECT	FACULTY	TIME	VENUE
1.	18AK1A0203	BHAVITHSREE B	Energy Auditing & Demand side management (15A02706)	Dr.R.Murugesan	Saturday 3.30 to 4.50 pm	C303
2.	18AK1A0205	HASWANTH SAI P				
3.	18AK1A0206	LAKSMI REDDY V				
4.	18AK1A0209	MADHU PS				
5.	18AK1A0210	ROOPESH B				
6.	19AK5A0208	HARIPRASAD G				
7.	19AK5A0226	UDAYATHEJA R				
8.	17AK1A0211	RATHEESWAR REDDY.C				

Note: The faculty Concerned for the respective Subjects are here by directed to conduct the classes as per the above Schedule

HOD-EEE

HEAD
Dept. of Electrical & Electronics Engg.
Annamacharya Institute of Technology & Sciences
TIRUPATI - 517 507

Name of the subject: Flexible AC Transmission Systems (15A02708)

Academic Year: 2021-22 (IV - I)

Name of the Faculty: P.Sudheer

S.NO	ROLL NO	NAME	3/1/2022	10/1/2022	17/1/2022
1.	18AK1A0203	BHAVITHSREE B	P	P	A
2.	18AK1A0205	HASWANTH SAI P	P	P	P
3.	18AK1A0206	LAKSMI REDDY V	P	A	P
4.	18AK1A0209	MADHU PS	P	P	P
5.	18AK1A0210	ROOPESH B	P	P	P
6.	19AK5A0208	HARIPRASAD G	P	P	P
7.	19AK5A0226	UDAYATHEJA R	P	P	P
8.	17AK1A0211	RATHEESWAR REDDY.C	P	P	P

HOD-EEE

HEAD
Dept. of Electrical & Electronics Engg.
Annamacharya Institute of Technology & Sciences
TIRUPATI - 517 507

Name of the subject: Power System Operation And Control (15A02702)

Academic Year: 2021-22 (IV - I)

Name of the Faculty: K.M. Sanjeeva Kumar

S.NO	ROLL NO	NAME	4/1/2022	11/1/2022	18/1/2022
1.	18AK1A0203	BHAVITHSREE B	P	A	P
2.	18AK1A0205	HASWANTH SAI P	P	P	P
3.	18AK1A0206	LAKSMI REDDY V	P	P	A
4.	18AK1A0209	MADHU PS	P	P	P
5.	18AK1A0210	ROOPESH B	A	P	P
6.	19AK5A0208	HARIPRASAD G	P	P	P
7.	19AK5A0226	UDAYATHEJA R	P	P	P
8.	17AK1A0211	RATHEESWAR REDDY.C	P	P	P

HOD-EEE

HEAD
Dept. of Electrical & Electronics Engg.
Annamacharya Institute of Technology & Sciences
TIRUPATI - 517 507

Name of the subject: Utilization Of Electrical Energy (15A02703)

Academic Year: 2021-22 (IV - I)

Name of the Faculty: S.Shanmukhi Theja

S.NO	ROLL NO	NAME	5/1/2022	12/1/2022	19/1/2022
1.	18AK1A0203	BHAVITHSREE B	P	A	P
2.	18AK1A0205	HASWANTH SAI P	P	P	P
3.	18AK1A0206	LAKSMI REDDY V	P	P	P
4.	18AK1A0209	MADHU PS	A	P	P
5.	18AK1A0210	ROOPESH B	P	A	P
6.	19AK5A0208	HARIPRASAD G	P	P	P
7.	19AK5A0226	UDAYATHEJA R	P	P	A
8.	17AK1A0211	RATHEESWAR REDDY.C	P	P	P

HOD-EEE

HEAD
Dept. of Electrical & Electronics Engg.
Annamacharya Institute of Technology & Sciences
TIRUPATI - 517 507

Name of the subject: Electrical Distribution System (15A02701)

Academic Year: 2021-22 (IV-I)

Name of the Faculty: Dr.K.Balaji Nanda Kumar Reddy

S.NO	ROLL NO	NAME	31/1/2022	20/1/2022	27/1/2022
1.	18AK1A0203	BHAVITHSREE B	P	P	P
2.	18AK1A0205	HASWANTH SAI P	P	P	P
3.	18AK1A0206	LAKSMI REDDY V	P	P	P
4.	18AK1A0209	MADHU PS	P	A	P
5.	18AK1A0210	ROOPESH B	A	P	P
6.	19AK5A0208	HARIPRASAD G	P	P	P
7.	19AK5A0226	UDAYATHEJA R	P	A	P
8.	17AK1A0211	RATHEESWAR REDDY.C	P	P	A

HOD-EEE

HEAD
Dept. of Electrical & Electronics Engg.
Annamacharya Institute of Technology & Sciences
TIRUPATI - 517 507

Name of the subject: Digital Signal Processing (15A04603)

Academic Year: 2021-22 (IV-I)

Name of the Faculty: Y.Penchalaiah

S.NO	ROLL NO	NAME	7/1/2022	21/1/2022	28/1/2022
1.	18AK1A0203	BHAVITHSREE B	P	P	P
2.	18AK1A0205	HASWANTH SAI P	P	P	P
3.	18AK1A0206	LAKSMI REDDY V	P	P	P
4.	18AK1A0209	MADHU PS	P	P	P
5.	18AK1A0210	ROOPESH B	P	P	P
6.	19AK5A0208	HARIPRASAD G	P	P	P
7.	19AK5A0226	UDAYATHEJA R	P	P	P
8.	17AK1A0211	RATHEESWAR REDDY.C	P	P	P

HOD-EEE

HEAD
Dept. of Electrical & Electronics Engg.
Annamacharya Institute of Technology & Sciences
TIRUPATI - 517 507

Name of the subject: Energy Auditing & Demand side management (15A02706)

Academic Year: 2021-22 (IV-I)

Name of the Faculty: Dr.R.Murugesan

S.NO	ROLL NO	NAME	8/8/2022	22/1/2022	29/1/2022
1.	18AK1A0203	BHAVITHSREE B	A	P	P
2.	18AK1A0205	HASWANTH SAI P	P	P	P
3.	18AK1A0206	LAKSMI REDDY V	P	P	P
4.	18AK1A0209	MADHU PS	P	P	P
5.	18AK1A0210	ROOPESH B	P	P	P
6.	19AK5A0208	HARIPRASAD G	P	A	P
7.	19AK5A0226	UDAYATHEJA R	P	P	P
8.	17AK1A0211	RATHEESWAR REDDY.C	P	P	P

HOD-EEE

HEAD
Dept. of Electrical & Electronics Engg.
Annamacharya Institute of Technology & Sciences
TIRUPATI - 517 507

2021-2022

I-B.TECH II SEMESTER

Date: 22/07/2022

Circular

It is to inform the I B.Tech students that Remedial classes are conducted from 25/07/2022 – 09/08/2022. The students listed below are identified and extra academic care is extended for obtaining a very good pass percentage in the university exams. The students not listed below may also attend the classes and get extra benefits from the college.

HOD

Department of HBS

Time table for I. B.Tech Remedial Classes 2021-2022

Timings: 4.20pm-4.50pm

AIML		
DAY	SUBJECT	FACULTY
MON	Probability and statistics	Dr. B. Arunakumari/
TUE	Numerical methods	Dr.N.Tarakaramu
WED	Data structures	Mr. Chandra
THU	Basic python programming	Ms.D.Dhanya
FRI	Basic python programming	Ms.D.Dhanya
SAT	Data structures	Mr. Chandra

CIC		
DAY	SUBJECT	FACULTY
MON	Probability and statistics	MsN.Sujana kumari
TUE	Data structures	Mr.Sagar
WED	Probability and statistics	MsN.Sujana kumari
THU	Communicative English	Dr.P.Krishnaveni
FRI	Data structures	Mr.Sagar
SAT	Communicative English	Dr.P.Krishnaveni

CSE-I		
DAY	SUBJECT	FACULTY
MON	Probability and statistics	Dr.A.Sreenivasulu
TUE	Data structures	Ms.Ramyasree
WED	Web design	Mr.Sagar
THU	Communicative English	N.Amarnath reddy
FRI	Applied Physics	Dr.K.Kiran kumar
SAT	Environmental studies	MrP.Murali

CSE-2		
DAY	SUBJECT	FACULTY
MON	Probability and statistics	Dr.A.Sreenivasulu
TUE	Web design	Mr.saikishore
WED	Communicative English	Dr.P.Krishnaveni
THU	Applied Physics	MrP.Lokanath Reddy
FRI	Environmental studies	MrP.Murali
SAT	Applied Physics	MrP.Lokanath Reddy

CSE-3		
DAY	SUBJECT	FACULTY
MON	Probability and statistics	MsN.Sujana kumari
TUE	Data structures	Venkataramana
WED	Communicative English	Dr.P.Krishnaveni
THU	Applied Physics	MrN.Jaidass
FRI	Environmental studies	MrP.Murali
SAT	Applied Physics	MrN.Jaidass

AIDS-I		
DAY	SUBJECT	FACULTY
MON	Probability and statistics	Dr.A.Sreenivasulu
TUE	Basic python programming	Ms.N.Divya
WED	Probability and statistics	Dr.A.Sreenivasulu
THU	Basic python programming	Ms.N.Divya
FRI	Probability and statistics	Dr.A.Sreenivasulu
SAT	Basic python programming	Ms.N.Divya

AIDS-2, ME		
DAY	SUBJECT	FACULTY
MON	Numerical methods	M.Umamaheswari
TUE	Numerical methods	M.Umamaheswari
WED	Numerical methods	M.Umamaheswari
THU	Differential equations and vector calculus	M.Umamaheswari
FRI	Differential equations and vector calculus	M.Umamaheswari
SAT	Differential equations and vector calculus	M.Umamaheswari

ECE-I		
DAY	SUBJECT	FACULTY
MON	Differential equations and vector calculus	Dr. N.Tarakaramu
TUE	Chemistry	Mr.N.Harikrishna
WED	Differential equations and vector calculus	Dr. N.Tarakaramu
THU	Chemistry	Mr.N.Harikrishna
FRI	Differential equations and vector calculus	Dr. N.Tarakaramu
SAT	Chemistry	Mr.N.Harikrishna

ECE-2		
DAY	SUBJECT	FACULTY
MON	Differential equations and vector calculus	Dr. C.Veeresh
TUE	Differential equations and vector calculus	Dr. C.Veeresh
WED	Differential equations and vector calculus	Dr. C.Veeresh
THU	Differential equations and vector calculus	Dr. C.Veeresh
FRI	Differential equations and vector calculus	Dr. C.Veeresh
SAT	Differential equations and vector calculus	Dr. C.Veeresh

ECE-3/EEE		
DAY	SUBJECT	FACULTY
MON	Differential equations and vector calculus	Dr.P.Krishnajyotyhi
TUE	Chemistry	Mr.N.harikrishna
WED	Differential equations and vector calculus	Dr.P.Krishnajyotyhi
THU	Chemistry	Mr.N.harikrishna
FRI	Differential equations and vector calculus	Dr.P.Krishnajyotyhi
SAT	Chemistry	Mr.N.harikrishna

To

The Principal

AITS, Tirupati

Date: 22/07/2022

It is brought to your kind notice that remedial classes are conducted for I B.Tech, I semester students of this academic year from 25/07/2022-09/08/2022. The identified students are those who secured less than or equal to 60% of marks in1st mid exams. The purpose of conducting extra classes is to obtain a very good pass percentage in the university exams by creating serious academic pursuit. The students not listed may also attend the classes and get extra benefits from the college.

Yours faithfully,

HOD, HBS

Encls: The list of students who need remedial coaching.

Date: 22/07/2022

Circular

It is to inform that the I B.Tech, I sem (2021-22) Remedial Classes have been scheduled to commence from 25/07/2022. The aim of conducting this program is to upgrade the academic level of slow learners and make them regular to classes. The teacher has to engage the Remedial Classes during 4:20 – 4:50 PM everyday according to the time table given. So the teachers have to follow the instructions.

1. Attend the remedial classes on time according to schedule.
2. If a teacher is on leave, he/she has to make alternative arrangement.
3. Encourage the students to attend the classes without fail and explain the benefits of the remedial classes.
4. Take attendance of the students without fail with a separate register available in the department.
5. Bring the absentees to the notice of the Head of H&S.

SIGNATURE OF HOD

HBS

I-II B.Tech 2021-22 *Probability and Statistics* section wise failures list

AIML

Name of the faculty : Dr B. ARUNAKUMARI

		25/7/22	27/7/22	28/7/22	29/7/22	
1.	21AK1A3301	/	/	/	/	
2.	21AK1A3308	/	/	/	/	
3.	21AK1A3311	/	/	/	/	
4.	21AK1A3332	/	/	/	a	
5.	21AK1A3333	/	/	/	/	
6.	21AK1A0348	/	/	/	/	

CIC

Name of the faculty : Ms.N. SUJANA KUMARI

1.	21AK1A3601	/	/	/	/	
2.	21AK1A3631	/	/	/	/	

AIDS 1

Name of the faculty :Dr A.SREENIVASULU

			/	/	/	
1.	21AK1A3001	/	/	/	/	
2.	21AK1A3019	/	/	/	/	
3.	21AK1A3023	a	a	/	/	
4.	21AK1A3032	/	/	/	/	
5.	21AK1A3039	/	/	/	a	
6.	21AK1A3043	/	/	/	/	

CSE 1

Name of the faculty : Dr A.SREENIVASULU

1.	21AK1A0501	/	/	/	/	
2.	21AK1A0502	/	/	/	/	
3.	21AK1A0510	/	/	/	/	
4.	21AK1A0518	/	/	/	/	
5.	21AK1A0521	/	/	/	/	
6.	21AK1A0525	/	/	/	/	

		25/7/23	27/7/23	28/7/23	29/7/23	
7.	21AK1A0533	✓	✓	✓	✓	
8.	21AK1A0535	✓	✓	✓	✓	
9.	21AK1A0536	✓	A	✓	✓	
10.	21AK1A0537	✓	✓	✓	✓	
11.	21AK1A0539	✓	✓	✓	A	
12.	21AK1A0541	✓	✓	✓	✓	
13.	21AK1A0545	✓	✓	A	✓	
14.	21AK1A0555	✓	✓	✓	✓	
15.	21AK1A0556	✓	✓	✓	✓	
CSE 2						
Name of the faculty : S.RAJASEKHARA						
1.	21AK1A0568	✓	✓	✓	✓	
2.	21AK140584	A	A	✓	✓	
3.	21AK1A0589	✓	✓	✓	✓	
CSE3						
Name of the faculty : N.SUJANA KUMARI						
1.	21AK1A05D3	✓	✓	✓	✓	
2.	21AK1A05F1	✓	✓	✓	✓	
3.	21AK1A05G9	✓	A	✓	✓	
4.	21AK1A05H8	✓	✓	✓	✓	
5.	21AK1A05I9	✓	✓	✓	✓	
6.	21AK1A05J2	✓	✓	✓	✓	

I-II B.Tech 2021-22 *Differential Equations and Vector Calculus* section wise failures list

ECE 1

Name of the faculty : Mr Y. MASTHANAIAH

		26/7/22	27/7/22	28/7/22		
1.	21AK1A0401	/	/	/		
2.	21AK1A0417	/	/	/		
3.	21AK1A0431	/	/	/		
4.	21AK1A0432	/	/	/		
5.	21AK1A0433	/	/	/		
6.	21AK1A0434	/	/	/		
7.	21AK1A0446	a	/	/		
8.	21AK1A0452	/	/	/		
9.	21AK1A0456	/	/	/		
10	21AK1A0459	/	/	/		

Vay Vay Vay

ECE 2

Name of the faculty : Mr.Y.MASTHANAIAH

1.	21AK1A0461	/	/	/		
2.	21AK1A0476	/	/	/		
3.	21AK1A04A3	/	/	/		
4.	21AK1A04A5	/	/	/		

Vay Vay Vay

ECE 3

Name of the faculty : DR P.KRISHNA JYOTHI

1.	21AK1A04C1	/	/	/		
2.	21AK1A04E9	/	/	/		

CIVIL ENGINEERING

Name of the faculty : DR.N.TARAKA RAMU

1.	21AK1A0101	/	/	/		
2.	21AK1A0103	/	/	/		
3.	21AK1A0104	/	/	/		
4.	21AK1A0108	/	/	/		

EEE						
Name of the faculty : DR.P.KRISHNA JYOTHI						
		26/7/22	27/7/22	28/7/22		
1.	21AK1A0201	/	/	/		
2.	21AK1A0204	/	/	/		
3.	21AK1A0206	/	/	/		
4.	21AK1A0208	/	/	/		
5.	21AK1A0210	/	/	/		
MECHANICAL ENGG						
Name of the faculty : Ms. S.UMAMAHESWARI						
1.	21AK1A0301	/	/	/		
2.	21AK1A0302	/	/	/		
3.	21AK1A0305	/	/	/		

I-II B.Tech 2021-22 *Numerical Methods* section wise failures list						
AIML						
Name of the faculty : DR N.TARAKA RAMU						
		27/7/22	28/7/22	30/7/22		
1.	21AK1A0348	/	/	/		
AIDS2						
Name of the faculty : Ms. S.UMA MAHESWARI						
		26/7/22	27/7/22	28/7/22		
1.	21AK1A3086	/	/	/		
2.	21AK1A3096	/	/	/		

I-II B.Tech 2021-22 *Data Structures* section wise failures list

AIML

Name of the faculty : Mr. CHANDRA

		28/7/22	29/7/22	30/7/22		
1.	21AK1A03301	/	/	/		
2.	21AK1A3308	/	/	/		

Chandra CIC Chandra Chandra

Name of the faculty : Mr. SAGAR

1.	21AK1A3601	/	/	/		
2.	21AK1A3602	/	/	/		
3.	21AK1A3623	/	/	/		
4.	21AK1A3642	/	/	/		

CSE1

Name of the faculty : Ms. P. ANUSHA / Ramya sree

1.	21AK1A0501	/	/	/		
2.	21AK1A0502	/	/	/		
3.	21AK1A0505	/	/	/		
4.	21AK1A0510	/	/	/		
5.	21AK1A0518	/	/	/		
6.	21AK1A0521	/	/	/		
7.	21AK1A0539	/	/	/		
8.	21AK1A0555	/	/	/		
9.	21AK1A0556		/			

CSE 3

Name of the faculty : Mr. VENKATARAMANA

1.	21AK1A05D3	/	/	/		
2.	21AK1A05F1	/	/	/		
3.	21AK1A05G0	/	/	/		
4.	21AK1A05G7	/	/	/		
5.	21AK1A05G9	/	/	/		
6.	21AK1A05I2	/	/	/		

I-II B.Tech 2021-22 *Web Design* section wise failures list						
CSE 1						
Name of the faculty : Ms RAMYA SREE						
		29/7/22	29/7/22			
1.	21AK1A0501	✓	✓			
2.	21AK1A0536	✓	✓			
3.	21AK1A0560	✓	✓			
CSE 2						
Name of the faculty : Mr. SAI KISHORE						
1.	21AK1A0568	✓	✓			
2.	21AK1A0575	✓	✓			
3.	21AK1A0579	✓	✓			
4.	21AK1A0584	✓	✓			
5.	21AK1A0589	✓	✓			
6.	21AK1A05A0	✓	✓			
7.	21AK1A05I1	✓	✓			

I-II B.Tech 2021-22 *BPP* section wise failures list						
AIML,CIVIL & AIDS 1						
Name of the faculty : Ms. D. DHANYA						
		29/7/24	30/7/24	31/7/24		
1.	21AK1A3332	/	/	/		
2.	21AK1A0348	/	/	/		
3.	21AK1A0119	/	/	/		
4.	21AK1A3043	/	/	/		

I-II B.Tech 2021-22 *Communicvative English* section wise failures list						
CIC , CSE 1 , CSE 2,CSE 3						
Name of the faculty : Dr. P.KRISHNAVENI						
		29/7/24	30/7/24	31/7/24		
1.	21AK1A3623	/	/	/		
2.	21AK1A0502	/	/	/		
3.	21AK1A0503	/	/	/		
4.	21AK1A0518	/	/	/		
5.	21AK1A0521	/	/	/		
6.	21AK1A0532	/	/	/		
7.	21AK1A0539	/	/	/		
8.	21AK1A0584	/	/	/		
9.	21AK1A05I2	/	/	/		

I-II B.Tech 2021-22 *APPLIED PHYSICS* section wise failures list						
CSE 1 & CSE 2						
Name of the faculty : Dr. P. KIRAN KUMAR						
		23/7/24	24/7/24	25/7/24		
1.	21AK1A0518	/	/	/		
2.	21AK1A0525	/	/	/		
3.	21AK1A0536	/	/	/		
4.	21AK1A0537	/	/	/		
5.	21AK1A0541	/	/	/		
6.	21AK1A0561	/	/	/		
7.	21AK1A0580	/	/	/		
8.	21AK1A0584	/	/	/		

9.	21AK1A05C8	/				

CSE 3

Name of the faculty : Mr.N JAIDASS

		23/7/22	24/7/22	25/7/22		
1.	21AK1A05D3	/	/	/		
2.	21AK1A05D7	/	/	/		
3.	21AK1A05F1	/	/	/		
4.	21AK1A05F2	/	/	/		
5.	21AK1A05F4	/	/	/		
6.	21AK1A05F5	a	/	a		
7.	21AK1A05F7	/	/	/		
8.	21AK1A05G0	/	/	/		
9.	21AK1A05G3	/	/	/		
10.	21AK1A05G7	/	a	/		
11.	21AK1A05G9	/	/	/		
12.	21AK1A05H8	/	/	/		
13.	21AK1A05I0	/	/	/		
14.	21AK1A05I2	/	/	/		

I-II B.Tech 2021-22 *CHEMISTRY* section wise failures list

EEE & ECE1

Name of the faculty : Mr .N. HARIKRISHNA

		24/7/22	30/7/22	31/7/22		
1.	21AK1A0241	/	/	/		
2.	21AK1A0422	/	/	/		
3.	21AK1A0452	/	/	/		

I-II B.Tech 2021-22 *ENVIRONMENTAL SCIENCES* section wise failures list						
CSE 1 & CSE 2						
Name of the faculty : M.MURALI						
		30/7/22				
1.	21AK1A0502	✓				
2.	21AK1A0518	✓				
3.	21AK1A0536	✓				
4.	21AK1A0539	✓				
5.	21AK1A0555	✓				
6.	21AK1A05A0	✓				
CSE 3						
Name of the faculty : M.MURALI						
1.	21AK1A05D3	✓				
2.	21AK1A05F5	✓				
3.	21AK1A05G0	✓				
4.	21AK1A05I0	✓				
5.	21AK1A05I8	✓				

2.2.1-MBA-File1

Annamacharya Institute of Technology & Sciences, Tirupati
(Autonomous)
DEPARTMENT OF MBA

Date: 14.03.2022

CIRCULAR

Academic Year: 2021-22

Class: MBA I Sem.

The faculty members of MBA I Semester are informed that, to conduct **Remedial Classes** for the students who got less marks in the **MBA I Semester I Mid Examinations**. It is advised to take care of these students for getting good marks in the upcoming examinations. The schedule will be intimated later to the concerned faculty members.

HOD-MBA
HEAD
Dept. of Management Studies
Annamacharya Institute of
Technology & Sciences, TIRUPATI-517

MOB –

ME –

LBE –

AFM –

BS –

CAB -

Annamacharya Institute of Technology & Sciences, Tirupati
(Autonomous)
DEPARTMENT OF MBA

Date: 16.03.2021

CIRCULAR

Academic Year : 2021-22

Class : MBA I Sem.

It is hereby informed to all the faculty members of MBA I Semester, to identify the slow learners (who secured less than 26 Marks) in the concerned subjects and conduct the remedial classes from **19.03.2022 to 26.03.2022** at 4:15 to 5:00 p.m as per Remedial Class Time Table and record the attendance particulars.

HOD-MBA
HEAD
Dept. of Management Studies
Annamacharya Institute of
Technology & Sciences. TIRUPATI-517

MOB -

ME -

LBE -

AFM -

BS

CAB -

Annamacharya Institute of Technology & Sciences Tirupati
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DEPARTMENT OF MBA

Remedial Classes

Academic Year : 2021-22

Class : MBA I Sem.

TIME TABLE

S.No	Date	Time	Subject	Faculty
1	19.03.23	4-15 to 5-00 PM	BS	M.Uma Maheswari
2	21.03.23	4-15 to 5-00 PM	BS	M.Uma Maheswari
3	22.03.23	4-15 to 5-00 PM	BS	M.Uma Maheswari
4	23.03.23	4-15 to 5-00 PM	BS	M.Uma Maheswari
5	24.03.23	4-15 to 5-00 PM	BS	M.Uma Maheswari
6	25.03.23	4-15 to 5-00 PM	BS	M.Uma Maheswari
7	26.03.23	4-15 to 5-00 PM	BS	M.Uma Maheswari

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Annamacharya Institute of Technology and Sciences, Tirupati
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Department of MBA

Academic Year	Regulations	Year of study	Semester
2021 – 2022	AK19	I	I
Name of Examination	MBA I YEAR I Semester I Mid Examinations, MARCH, 2022		
Name of the subject	BUSINESS STATISTICS		
Subject Code	19MBA0105		

LIST OF SLOW LEARNERS

SNO	ROLL NUMBER	NAME OF THE STUDENT	Marks Obtained (30)
1.	21AK1E0003	BALAIAH G	15
2.	21AK1E0023	MAHENDRA V	8
3.	21AK1E0033	RABBANI SHAIK	14
4.	21AK1E0039	SAI KALYANI K	8
5.	21AK1E0041	SHIRISHA K	8
6.	21AK1E0054	VENKATESH C	8
7.	21AK1E0056	VENKATESH P	11
8.	21AK1E0057	VENKATESWARULU A	10
9.	21AK1E0058	VINAY S	7
10.	21AK1E0064	SAI KIRAN A	12

M.Uma Maheswari

FACULTY NAME

M. Umamaheswari

FACULTY SIGN.

Annamacharya Institute of Technology & Sciences Tirupati

(Autonomous)

DEPARTMENT OF MANAGEMENT STUDIES

Remedial Classes

Academic Year	Regulations	Year of Study	Semester
2021 - 2022	AK19	I	I

S.NO	NAME OF THE FACULTY	SUBJECT	TOPICS
1	M.UMAMAHESWARI	BS	Measures of Central Tendency- Arithmetic – Weighted mean – Median, Mode – Geometric mean and Harmonic mean – Measures of Dispersion, range, quartile deviation, mean deviation, standard deviation, coefficient of variation. Theory of probability, – Conditional laws of probability – Binominal – Poisson – Uniform – Normal and exponential distributions.

Annamacharya Institute of Technology & Sciences Tirupati
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DEPARTMENT OF MANAGEMENT CLASSES

Remedial Class

Attendance

Academic Year : 2021-22

Class : I year I sem

Subject : BS

SNO.	ROLL NO.	19/3	21/3	22/3	23/3	24/3	25/3	26/3	
	21AK1E0003	P	P	a	P	P	P	P	
	23	P	a	P	P	P	a	P	
	33	P	P	P	a	a	P	P	
	39	P	a	P	P	P	P	a	
	41	P	P	P	P	P	P	P	
	54	P	P	P	P	P	P	P	
	56	P	P	a	a	P	P	P	
	57	a	P	P	P	P	P	P	
	58	P	a	a	P	P	P	P	
	64	a	P	P	a	P	P	P	

M. Ramakrishna

Student Quality Circle (SQC):

1. Quality circle is a group of people connected to the work, meets regularly once/twice in a week, to discuss about the work related issues only and works as a suggestive system to the supervisors.
2. Any problem connected to the quality improvement, will be discussed weekly by the student quality circle, documentary evidences along with the minutes of the meetings shall be submitted to the concerned authority say, Head of the Department.
3. General Composition of SQC shall contain a Coordinator (HOD/ Senior faculty member), a facilitator (Any one of the teacher/Class teacher), Group leader from student achievers, secretarial assistants from the nonteaching staff (1/2 members), few advanced learners (2-3 members) and struggled learners (7-8 members)
4. A few objectives for Student Quality Circle suggested are:

   i) Issues pertaining teaching-learning system:

   Improper handling of class by teachers, unacceptable attitudes of the teachers, violation of code of conduct by the teachers, by the students also, maintenance related issues, Inadequacy of the tools and materials etc in labs.

   ii) Guiding the slow learners towards improvement:

   In such cases, a fast learner (one or two) will be connected to 7-8 slow learners for upliftment and to give adequate push in the academic.
5. Agenda for SQC meeting can be based on the above objectives.

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CSE DEPARTMENT -SQC

ACADEMIC YEAR :: 2022 -2023

Sl.No	YEAR & SECTION	SQC Name	Facilitator
1	III CSE – 1	Bjarne Stroustrup	Pratap
2	III CSE – 2	Mark Zuckerberg	S.Athinarayanan
3	III CSE – 3	Charles Babbage	J.Chandra Babu
4	III AIDS	Peter Naur	Shivarani
5	III CIC	Rasmus Lerdorf	P.Charishma
6	II CSE-1	Larry wall	K.Divya
7	II CSE-2	Raymond Boyce	L.Charitha
8	II CSE-3	Brendan Eich	G.kanishka
9	II AIDS-1	Pushpak Bhattacharya	Reddi Durga Sree
10	II AIDS-2	Guidovan Rossum	Venkata Lakshmi
11	II AIML	Margaret Hamilton	Y. Saroja
12	II CIC	Donald Chamberlin	N.Geethanjali

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12/11/22

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of Computer Science and Engineering

Student Quality Circle: Bjarne Stroustrup

Composition: III Year CSE-A

S.NO.	Name	Designation in SQC
1.	S. Prathap, Faculty & Class Teacher	Facilitator
2.	M.Chandra , III CSE-A	Leader
3.	C. Meena, Programmer in CSE	Secretarial Assistant
4.	K.Deepa, III CSE-A	Fast learner
5.	G.Hemalatha, III CSE-A	Fast learner
6.	P.Divyasree, III CSE-A	Fast learner
7.	K.Jayanthi, III CSE-A	Fast learner
8.	Y.Chandu, III CSE-A	Fast learner
9.	N.Charitha, III CSE-A	Fast learner
10.	V.Gnanika, III CSE-A	Fast learner
11.	A.Jahnavi, III CSE-A	Slow learner
12.	M.Hiranmayee, III CSE-A	Slow learner
13.	J.Jithesh, III CSE-A	Slow learner
14.	K.Chirudeep, III CSE-A	Slow learner
15.	K.Kiran Kumar, III CSE-A	Slow learner
16.	P Ajay, III CSE-A	Slow learner
17.	V.Dinesh, III CSE-A	Slow learner

Signature of the Facilitator

Signature of the HOD

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

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Department Of Computer Science And Engineering

Student Quality Circle: Mark Zuckerberg

Composition: III Year CSE '2'

S.NO.	Name	Designation in SQC
1	Dr. S. ATHINARAYANAN, Faculty & Class Teacher	Facilitator
2	KULADEEP CHOWDARY P, III CSE '2'	Leader
3	T.RAJASEKHAR, Programmer in CSE	Secretarial Assistant
4	LIKITH SAI G, III CSE '2'	Fast learner
5	MADHAVI M, III CSE '2'	Fast learner
6	MANUVARDHINI A, III CSE '2'	Fast learner
7	MEGHANA P, III CSE '2'	Fast learner
8	MEGHANA REDDY K, III CSE '2'	Fast learner
9	MONIKA M, III CSE '2'	Fast learner
10	MUKESH D, III CSE '2'	Fast learner
11	LAVANYA G, III CSE '2'	Slow learner
12	LOKESWAR REDDY B, III CSE '2'	Slow learner
13	MADHUSUDHAN G, III CSE '2'	Slow learner
14	NAVEEN P, III CSE '2'	Slow learner
15	PREM KUMAR M, III CSE '2'	Slow learner
16	RANJITH NAIK V, III CSE '2'	Slow learner
17	LALITH KUMAR K, III CSE '2'	Slow learner

Signature of the Facilitator

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

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Department of Computer Science and Engineering

Student Quality Circle: Charles Babbage

Composition: III Year CSE-C

S.NO.	Name	Designation in SQC
1.	J.Chandra Babu , Faculty & Class Teacher	Facilitator
2.	K Sunil Ganesh, III CSE-C	Leader
3.	C. Meena, Programmer in CSE	Secretarial Assistant
4.	T Sai Swetha, III CSE-C	Fast learner
5.	M Sanjana, III CSE-C	Fast learner
6.	A Rohith Sai, III CSE-C	Fast learner
7.	K Thanooja, III CSE-C	Fast learner
8.	T Tonika, III CSE-C	Fast learner
9.	D Sai Sowmya, III CSE-C	Fast learner
10.	V Naga Tejashwini, III CSE-C	Fast learner
11.	O Siva Krishna, III CSE-C	Slow learner
12.	K Sree Nikhita, III CSE-C	Slow learner
13.	M Sai Ram, III CSE-C	Slow learner
14.	L Neelakanteswar, III CSE-C	Slow learner
15.	G Sai Eshmitha, III CSE-C	Slow learner
16.	B.Tejaswini, III CSE-C	Slow learner
17.	Y Sai Yaswanth, III CSE-C	Slow learner

Signature of the Facilitator

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

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Department of AI&DS

Student Quality Circle: Peter Naur

Composition: III Year AID

S.NO.	Name	Designation in SQC
1.	J.Sivarani, Faculty & Class Teacher	Facilitator
2.	D. Muni Sreeninivas, III AID, Fast Learner	Leader
3.	C. Meena , Programmer in CSE	Secretarial Assistant
4.	K. Boonu sai, III AID	Fast learner
5.	K. Dinesh, III AID	Fast learner
6.	J. Naga Lakshmi, III AID	Fast learner
7.	C. Dushyanth, III AID	Slow learner
8.	C. Harsha vardhan reddy, III AID	Slow learner
9.	Murthi Mounith, III AID	Slow learner
10.	P. Naveen, III AID	Slow learner
11.	K. Roja, III AID	Slow learner
12.	A. Ganesh kumar reddy, III AID	Slow learner
13.	M. Chaithanya, III AID	Slow learner
14.	K. Tirupathaiah, III AID	Slow learner

J. Sivarani

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of Computer Science and Engineering

Student Quality Circle: Rasmus Lerdorf

Composition: III Year CIC

S.NO.	Name	Designation in SQC
1.	P. Charishma, Faculty & Class Teacher	Facilitator
2.	P. SaiTeja, III CIC, Fast Learner	Leader
3.	C. Meena, Programmer in CSE	Secretarial Assistant
4.	S. Chandana, III CIC	Fast learner
5.	T. CharanTeja, III CIC	Fast learner
6.	S. Dileep, III CIC	Fast learner
7.	G. Navaz, III CIC	Fast learner
8.	K. Poojitha, III CIC	Fast learner
9.	V. Rakesh, III CIC	Fast learner
10.	O. Vasmi Krishna, III CIC	Fast learner
11.	S. Vignesh, III CIC	Slow learner
12.	K. Suman Kumar Reddy, III CIC	Slow learner
13.	B. Karthik, III CIC	Slow learner
14.	K. Durga Prasad, III CIC	Slow learner
15.	D. Sravani, III CIC	Slow learner
16.	S. HarshaVardhan, III CIC	Slow learner
17.	A.V. Rajarshi Reddy, III CIC	Slow learner

Charishma.P

Signature of the Facilitator

B. Rama Reddy

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of Computer Science and Engineering

Student Quality Circle: Larry Wall

Composition: II Year CSE-1

S.NO.	Name	Designation in SQC
1.	K Divya, Faculty & Class Teacher	Facilitator
2.	B.Charitha, II CSE-1, Fast Learner	Leader
3.	C. Meena , Programmer in CSE	Secretarial Assistant
4.	Harshavardhan , II CSE-1	Fast learner
5.	Asif, II CSE-1	Fast learner
6.	Ajay reddy, II CSE-1	Fast learner
7.	P.Bindu sree, II CSE-1	Fast learner
8.	A.Chandrika, II CSE-1	Fast learner
9.	Anurag, II CSE-1	Fast learner
10.	N.Joshna, II CSE-1	Fast learner
11.	Bhanu Prajwal, II CSE-1	Slow learner
12.	Janaki Ramudu, II CSE-1	Slow learner
13.	K.Y.Dilli Babu, II CSE-1	Slow learner
14.	Bindu Madhavi, II CSE-1	Slow learner
15.	Harshitha, II CSE-1	Slow learner
16.	Earshad, II CSE-1	Slow learner
17.	Ganesh.M, II CSE-1	Slow learner

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Department of Computer Science and Engineering

Student Quality Circle: Raymond Boyce

Composition: II Year CSE-2

S.NO.	Name	Designation in SQC
1.	L. Charitha, Faculty & Class Teacher	Facilitator
2.	B. Mahathi, II CSE-2	Leader
3.	C. Meena, Programmer in CSE	Secretarial Assistant
4.	Kavya K, II CSE-2	Fast learner
5.	Kavyamrutha P, II CSE-2	Fast learner
6.	Maaz M S, II CSE-2	Fast learner
7.	Poorna Chandra G, II CSE-2	Fast learner
8.	Ramnath K, II CSE-2	Fast learner
9.	Renuka P, II CSE-2	Fast learner
10.	Rohini Deepthi, II CSE-2	Fast learner
11.	Leela Krishna N, II CSE-2	Slow learner
12.	Lakshmi Narayana N, II CSE-2	Slow learner
13.	Nayaz Shaik, II CSE-2	Slow learner
14.	Ramesh M, II CSE-2	Slow learner
15.	Sai Saran U, II CSE-2	Slow learner
16.	Sandeep A, II CSE-2	Slow learner
17.	Manoj Kumar R, II CSE-2	Slow learner
18.	Naveen Kumar P, II CSE-2	Slow learner

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(AUTONOMOUS)

Department of Computer Science and Engineering

Student Quality Circle: Brendan Eich

Composition: II Year CSE-3

S.NO.	Name	Designation in SQC
1.	G. Kanishka, Faculty & Class Teacher	Facilitator
2.	K Vasudev, II CSE-3, Fast Learner	Leader
3.	C. Meena, Programmer in CSE	Secretarial Assistant
4.	G Veeraswapna, II CSE-3	Fast learner
5.	P Vasu, II CSE-3	Fast learner
6.	N Sruthi, II CSE-3	Fast learner
7.	K R Varshitha, II CSE-3	Fast learner
8.	K Srinivas, II CSE-3	Fast learner
9.	K Siva Ganesh, II CSE-3	Fast learner
10.	T Vineetha, II CSE-3	Fast learner
11.	K Subhash, II CSE-3	Slow learner
12.	B Shashi Kumar, II CSE-3	Slow learner
13.	A Sneha, II CSE-3	Slow learner
14.	T Yashwanth, II CSE-3	Slow learner
15.	V NitheeshBabu, II CSE-3	Slow learner
16.	M Ravindra, II CSE-3	Slow learner
17.	A Sarath Kumar, II CSE-3	Slow learner

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of AI&DS

Student Quality Circle: Pushpak Bhattacharyya

Composition: II Year AID-1

S.NO.	Name	Designation in SQC
1.	M. Reddi durgasree, Faculty & Class Teacher	Facilitator
2.	M. Moulali Shariff, II AID-1, Fast Learner	Leader
3.	C. Meena , Programmer in CSE	Secretarial Assistant
4.	P. Lakshmi Priyanka, II AID-1	Fast learner
5.	B. Harika, II AID-1	Fast learner
6.	P. Dileep kumar reddy, II AID-1	Fast learner
7.	P. Bhargav Ram, II AID-1	Slow learner
8.	N. Charan, II AID-1	Slow learner
9.	V. C. Dhurgesh, II AID-1	Slow learner
10.	M. Hema kumar, II AID-1	Slow learner
11.	M. Mahima Chowdary, II AID-1	Slow learner
12.	B. Mamatha, II AID-1	Slow learner
13.	K. Mounisha, II AID-1	Slow learner
14.	Shaik Mubashar, II AID-1	Slow learner
15.	M. Mukesh babu, II AID-1	Slow learner
16.	P. Hemesh Babu, II AID-1	Slow learner
17.	B. Babu kumar, II AID-1	Slow learner

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of AI&DS

Student Quality Circle: GUIDO VAN ROSSUM

Composition: II Year AID-2

S.NO.	Name	Designation in SQC
1.	S. Venkata Lakshmi, Faculty & Class Teacher	Facilitator
2.	Sai Chowdary, II AID-2, Fast Learner	Leader
3.	C. Meena , Programmer in CSE	Secretarial Assistant
4.	P. Sravani, II AID-2	Fast learner
5.	P. Sushmitha, II AID-2	Fast learner
6.	C. Vijay Lakshmi, II AID-2	Fast learner
7.	Sai Ganesh, II AID-2	Fast learner
8.	R. Pavitra, II AID-2	Fast learner
9.	Satwick, II AID-2	Fast learner
10.	Tharun Kumar, II AID-2	Slow learner
11.	Tej Deep,II AID-2	Slow learner
12.	Vennela.U, II AID-2	Slow learner
13.	Rakesh.J, II AID-2	Slow learner
12.	Sreenu.C, II AID-2	Slow learner
13.	Sai Teja, II AID-2	Slow learner
14.	Puneeth, II AID-2	Slow learner

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of Artificial Intelligence and Machine Learning

Student Quality Circle: Margaret Hamilton

Composition: II Year AIML

S.NO.	Name	Designation in SQC
1	Y.Saroja, Faculty & Class Teacher	Facilitator
2	T.Kavitha, II AIML	Leader
3	T.Rajasekhar, Programmer in CSE	Secretarial Assistant
4	S.Tasneem, II AIML	Fast learner
5	J.Krupa Issac, II AIML	Fast learner
6	A.Parthasarathi Reddy, II AIML	Fast learner
7	K.Lakshmija, II AIML	Fast learner
8	M.Chandhana, II AIML	Fast learner
9	N.Navyasree, II AIML	Fast learner
10	V.Kishore, II AIML	Fast learner
11	M.Hemanadh, II AIML	Slow learner
12	J.Charan Kumar, II AIML	Slow learner
13	M.Hemanth Reddy, II AIML	Slow learner
14	K.Jayanth, II AIML	Slow learner
15	G.Sahithya, II AIML	Slow learner
16	K.Nagendra Babu, II AIML	Slow learner
17	J.Mamatha, II AIML	Slow learner

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

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Department of Computer Science and Engineering

Student Quality Circle: Donald Chamberlin

Composition: II Year CIC

S.NO.	Name	Designation in SQC
1.	N. Geethanjali, Faculty & Class Teacher	Facilitator
2.	P. Samanth Kumar Reddy, II CIC	Leader
3.	C. Meena, Programmer in CSE	Secretarial Assistant
4.	V. Gaana Sree, II CIC	Fast learner
5.	N. Hema, II CIC	Fast learner
6.	K. Mohan Reddy, II CIC	Fast learner
7.	C. Sai Pavan, II CIC	Fast learner
8.	K. Vedhasree, II CIC	Fast learner
9.	P. Teja Reddy, II CIC	Fast learner
10.	M. Vinay Kumar Reddy, II CIC	Fast learner
11.	K.T Ajith Kumar, II CIC	Slow learner
12.	K Poojitha, II CIC	Slow learner
13.	P. Sai Prathap, II CIC	Slow learner
14.	P. Sandeep Kumar reddy, II CIC	Slow learner
15.	G. Thanuja, II CIC	Slow learner
16.	B. Pavan Kumar Reddy, II CIC	Slow learner
17.	Shaik Manisha, II CIC	Slow learner

Signature of the Facilitator

Signature of the Coordinator

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of Technology & Sciences, Tirupati-517 520

Signature of the Chairman, Steering Committee (PRINCIPAL)

PRINCIPAL
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
(Effective for the batches admitted in 2020-21)

Team: Bjarne Stroustrup

Student Quality Circle Meeting UG of Computer Science and Engineering III year
Dated on 7th Dec' 2022 at 4:20pm in Room no:C404

Agenda for Student Quality Circle:

i. Flaws related to teaching-learning process.
ii. Discussion related to slow learners improvement.

Members of Student Quality Circle 'Bjarne Stroustrup'

S.NO.	Name	Designation in SQC
1	S. Prathap, Faculty & Class Teacher	Facilitator
2	M.Chandra , III CSE-A	Leader
3	C. Meena, Programmer in CSE	Secretarial Assistant
4	K.Deepa, III CSE-A	Fast learner
5	G.Hemalatha, III CSE-A	Fast learner
6	P.Divyasree, III CSE-A	Fast learner
7	K.Jayanthi, III CSE-A	Fast learner
8	Y.Chandu, III CSE-A	Fast learner
9	N.Charitha, III CSE-A	Fast learner
10	V.Gnanika, III CSE-A	Fast learner
11	A.Jahnavi, III CSE-A	Slow learner
12	M.Hiranmayee, III CSE-A	Slow learner
13	J.Jithesh, III CSE-A	Slow learner
14	K.Chirudeep, III CSE-A	Slow learner
15	K.Kiran Kumar, III CSE-A	Slow learner
16	P Ajay, III CSE-A	Slow learner
17	V.Dinesh, III CSE-A	Slow learner

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
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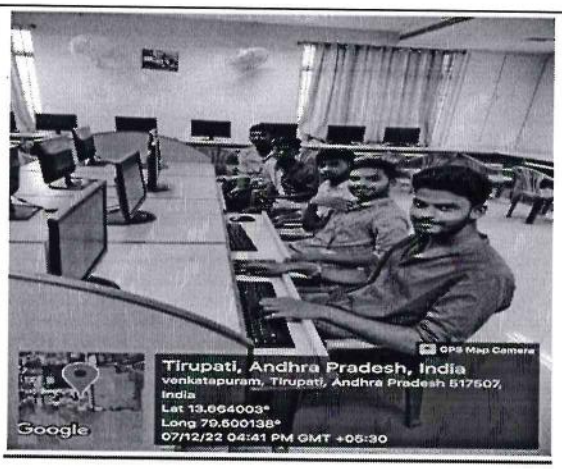
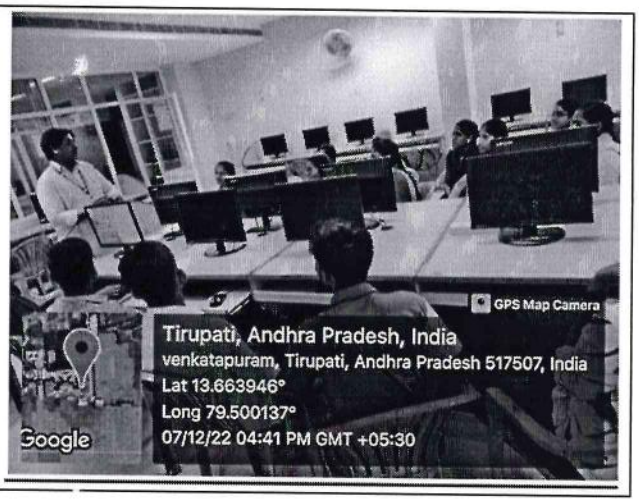
Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
(Effective for the batches admitted in 2020-21)





i. *Flaws related to teaching-learning process.*

Subject Name	Problems Identified	Corrective Action
Deterministic & Stochastic Statistical Methods	Conducting Exam at every day. Taking Class very less time. Not able to complete the portion in time.	Discussed and sorted with the concerned faculty.
Computer Networks	Good	-
Formal Language and Automata Theory	Very Good.	-
Data Warehousing and Mining	Good	-
Software Engineering	Good	-
Biology for Engineers	Good	-
Software Engineering Lab	Good	-
Computer Networks Lab	Good	-
Mobile Application Development	Cant able to understand the lab programs.	Discussed and sorted with the concerned faculty.

ii. *Discussion related to slow learners improvement: Discussion has been done for the improvement of the slow learners on the subjects of Computer Networks, Software Engineering, and FLAT& DWM.*

More than one Fast Learners are appointed for every slow learner to teach the important topics from the above specified subjects and in this regard slow learners are asked to submit the assignments for the same to the corresponding subject faculty before the next SQC meeting.

Dept. of Computer Science & Engg.
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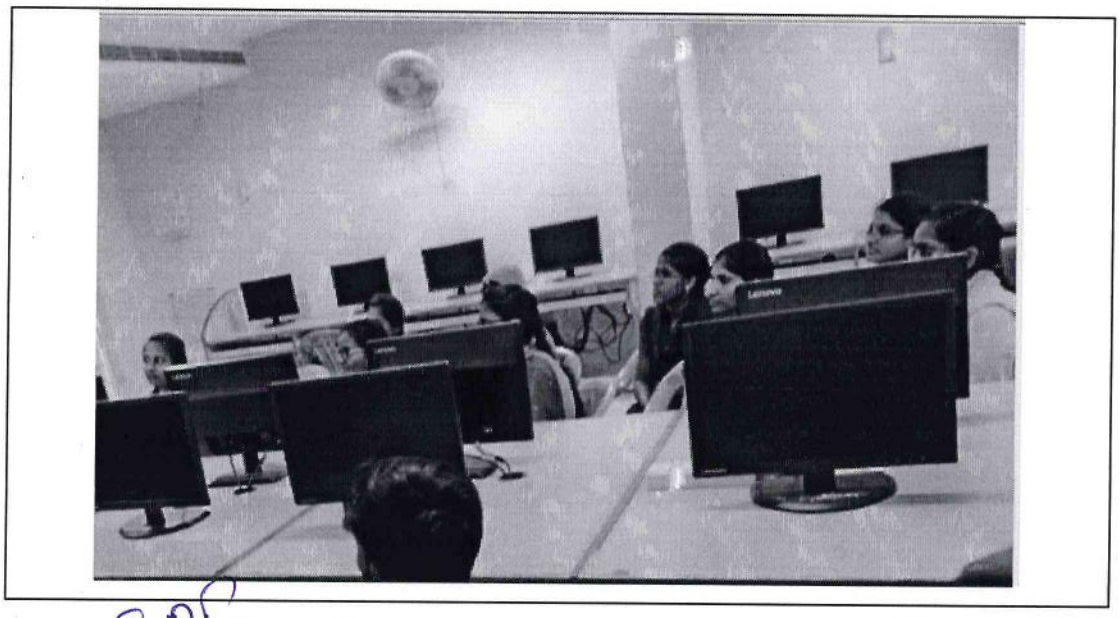
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
(Effective for the batches admitted in 2020-21)

Time Table for the Improvement of Slow Learner

Date, Time & Venue	Name of the Slow Learner	Name of the Fast Learner	Topic	Subject
19/12/2022	A.Jahnavi, III CSE-A	K.Deepa, III CSE-A	OSI Layers	Computer Networks
21/12/2022	M.Hiranmayee, III CSE-A	G.Hemalatha, III CSE-A	Types of Grammar	FLAT
21/12/2022	J.Jithesh, III CSE-A	P.Divyasree, III CSE-A	Life Cycle model Comparison	Software Engineering
24/12/2022	K.Chirudeep, III CSE-A	K.Jayanthi, III CSE-A	Widget and its types	MAD
24/12/2022	K.Kiran Kumar, III CSE-A	Y.Chandu, III CSE-A	Supervised and Unsupervised Learning Algorithm	DWM
24/12/2022	P Ajay, III CSE-A	N.Charitha, III CSE-A	Types of Turing Machines	FLAT
24/12/2022	V.Dinesh, III CSE-A	V.Gnanika, III CSE-A	TCP/IP Layers	Computer Networks

Proof:



Signature of Facilitator

Signature of Coordinator

HEAD
Dept. of Computer Science & Engg
Annamacnarya Institute of
Technology & Sciences, Tirupati-517 520

Signature of the Chairman, Steering Committee
(PRINCIPAL)

PRINCIPAL
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
(Effective for the batches admitted in 2020-21)

Team: Mark Zuckerberg

Student Quality Circle Meeting UG of Computer Science and Engineering III year
Dated on 8th Dec' 2022 at 4:30pm in Room no:C404

Agenda for Student Quality Circle:

i. Flaws related to teaching-learning process.
ii. Discussion related to slow learners improvement.

Members of Student Quality Circle 'Mark Zuckerberg'

S.NO.	Name	Designation in SQC
1	Dr. S. ATHINARAYANAN, Faculty & Class Teacher	Facilitator
2	KULADEEP CHOWDARY P, III CSE '2'	Leader
3	T.RAJASEKHAR, Programmer in CSE	Secretarial Assistant
4	LIKITH SAI G, III CSE '2'	Fast learner
5	MADHAVI M, III CSE '2'	Fast learner
6	MANUVARDHINI A, III CSE 2'	Fast learner
7	MEGHANA P, III CSE '2'	Fast learner
8	MEGHANA REDDY K, III CSE '2'	Fast learner
9	MONIKA M, III CSE '2'	Fast learner
10	MUKESH D, III CSE '2'	Fast learner
11	LAVANYA G, III CSE '2'	Fast learner
12	LALITH KUMAR K, III CSE '2'	Fast learner
13	LOKESWAR REDDY B, III CSE '2'	Slow learner
14	MADHUSUDHAN G, III CSE '2'	Slow learner
15	NAVEEN P, III CSE '2'	Slow learner
16	PREM KUMAR M, III CSE '2'	Slow learner
17	RANJITH NAIK V, III CSE '2'	Slow learner

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
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Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
(Effective for the batches admitted in 2020-21)

i. *Flaws related to teaching-learning process.*

Subject Name	Problems Identified	Corrective Action
Deterministic & Stochastic Statistical Methods	Conducting Exam at every day. Taking Class very less time. Not able to complete the portion in time.	Discussed and sorted with the concerned faculty.
Computer Networks	Good	-
Formal Language and Automata Theory	Very Good.	-
Data Warehousing and Mining	Good	-
Software Engineering	Good	-
Biology for Engineers	Good	-
Software Engineering Lab	Good	-
Computer Networks Lab	Good	-
Mobile Application Development	Cant able to understand the lab programs.	Discussed and sorted with the concerned faculty.

ii. *Discussion related to slow learners improvement: Discussion has been done for the improvement of the slow learners on the subjects of Computer Networks, Software Engineering, and FLAT & DWM.*

More than one Fast Learners are appointed for every slow learner to teach the important topics from the above specified subjects and in this regard slow learners are asked to submit the assignments for the same to the corresponding subject faculty before the next SQC meeting.

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
(Effective for the batches admitted in 2020-21)

Time Table for the Improvement of Slow Learner

Date, Time & Venue	Name of the Slow Learner	Name of the Fast Learner	Topic	Subject
19/12/2022	Madhusudhan G, III Cse '2'	Madhavi M, III Cse '2'	OSI Layers	Computer Networks
21/12/2022	Naveen P, III Cse '2'	Manuvardhini A, III Cse '2'	Types of Grammar	FLAT
21/12/2022	Madhusudhan G, III Cse '2'	Meghana P, III Cse '2'	Life Cycle model Comparison	Software Engineering
24/12/2022	Madhusudhan G, III Cse '2'	Mukesh D, III Cse '2'	Widget and its types	MAD
24/12/2022	Naveen P, III Cse '2'	Lalith Kumar K, III CSE '2'	Supervised and Unsupervised Learning Algorithm	DWM

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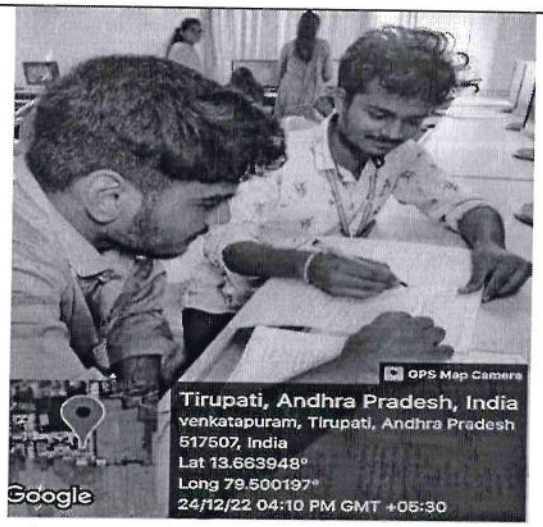

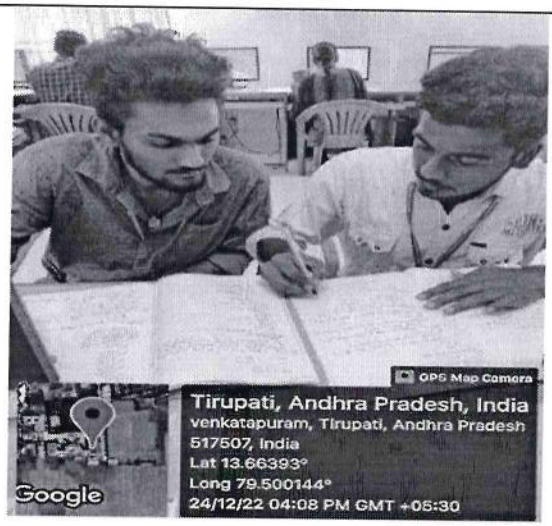

Signature of Facilitator

Signature of Coordinator

Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-517 520

Signature of the Chairman, Steering Committee

PRINCIPAL
ANNAMACHARYA INSTITUTE OF
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VENKATAPURAM (Vill.)
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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
(Effective for the batches admitted in 2020-21)

Team: Charles Babbage

Student Quality Circle Meeting UG of Computer Science and Engineering III year
Dated on 3rd Jan' 2023 at 1:20 pm in Lab-B1:

Agenda for Student Quality Circle:

i. Flaws related to teaching-learning process.
ii. Discussion related to slow learners improvement.

Members of Student Quality Circle 'Charles Babbage'

S.NO	Name	Designation in SQC
1	J.Chandra Babu , Faculty & Class Teacher	Facilitator
2	K Sunil Ganesh, III CSE-C	Leader
3	C. Meena, Programmer in CSE	Secretarial Assistant
4	T Sai Swetha, III CSE-C	Fast learner
5	M Sanjana, III CSE-C	Fast learner
6	A Rohith Sai, III CSE-C	Fast learner
7	K Thanooja, III CSE-C	Fast learner
8	T Tonika, III CSE-C	Fast learner
9	D Sai Sowmya, III CSE-C	Fast learner
10	V Naga Tejashwini, III CSE-C	Fast learner
11	O Siva Krishna, III CSE-C	Slow learner
12	K Sree Nikhita, III CSE-C	Slow learner
13	M Sai Ram, III CSE-C	Slow learner
14	L Neelakanteswar, III CSE-C	Slow learner
15	G Sai Eshmitha, III CSE-C	Slow learner
16	B.Tejaswini, III CSE-C	Slow learner
17	Y Sai Yaswanth, III CSE-C	Slow learner

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
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Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
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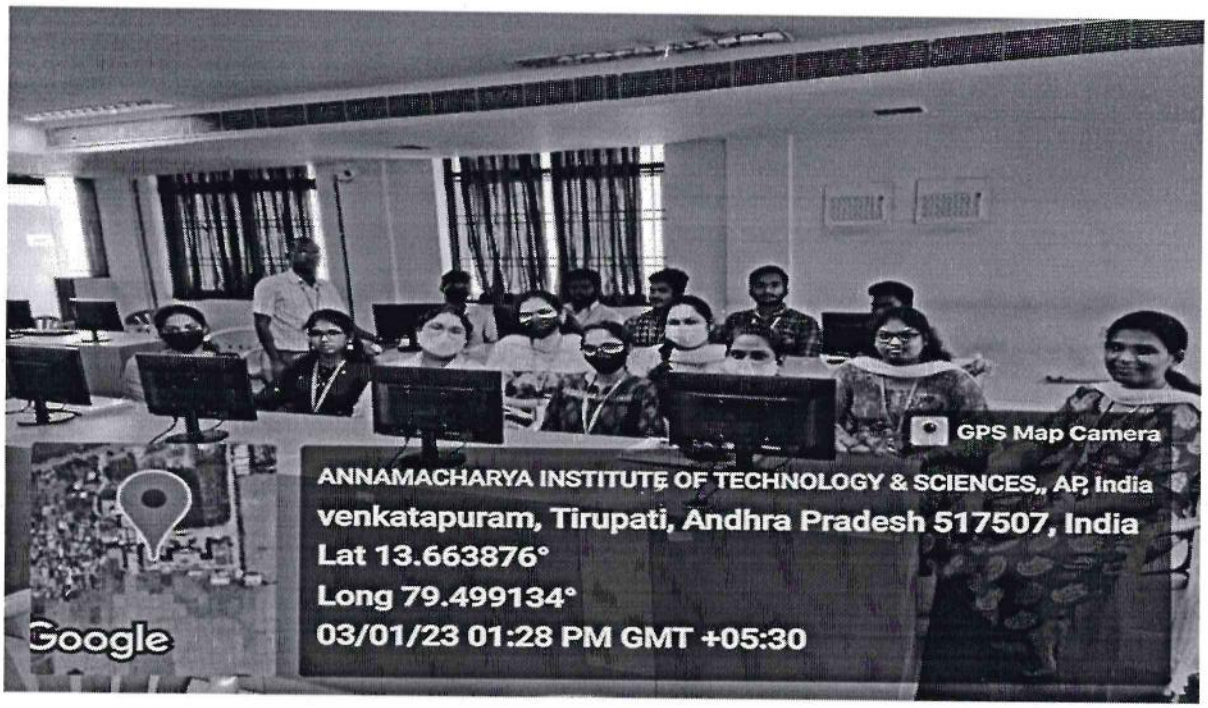

i. Flaws related to teaching-learning process.

Subject Name	Problems Identified	Corrective Action
Deterministic & Stochastic Statistical Methods	Good	-
Computer Networks	Good	-
Formal Language and Automata Theory	Very Good	-
Data Warehousing and Mining	Good	-
Software Engineering	Good	-
Biology for Engineers	Good	-
Software Engineering Lab	Good	-
Computer Networks Lab	Good	-
Mobile Application Development	Good	-

ii. Discussion related to slow learners improvement: Discussion has been done for the improvement of the slow learners on the subjects of Computer Networks, Software Engineering, and FLAT& DWM.

More than one Fast Learners are appointed for every slow learner to teach the important topics from the above specified subjects and in this regard slow learners are asked to submit the assignments for the same to the corresponding subject faculty before the next SQC meeting.

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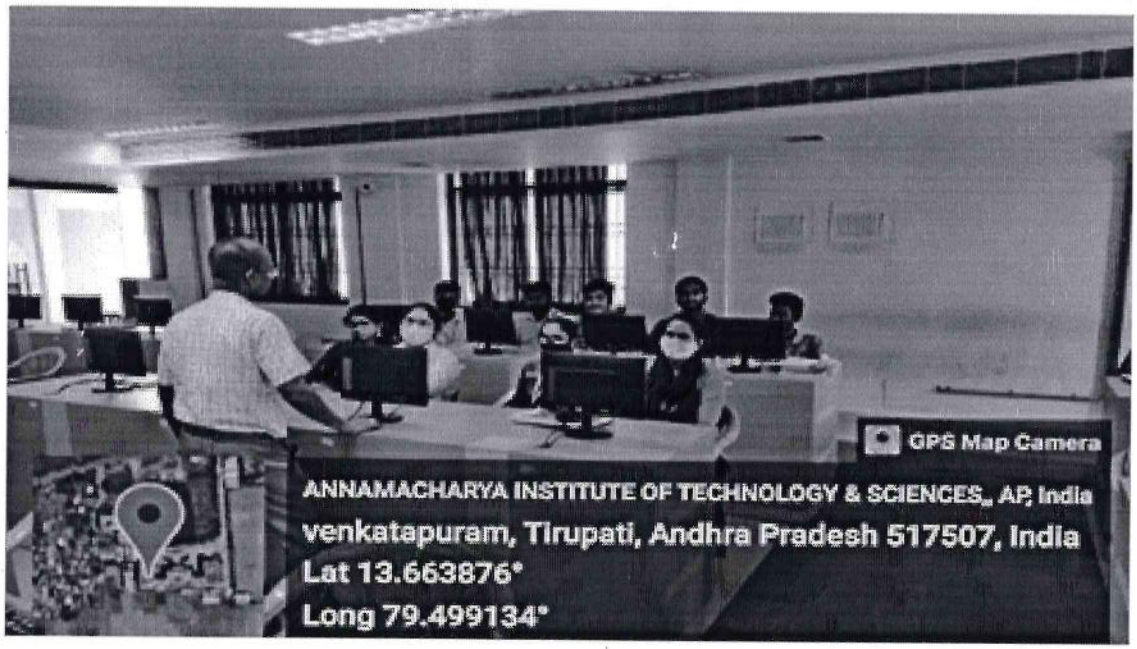
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
(Effective for the batches admitted in 2020-21)

Time Table for the Improvement of Slow Learner

Date, Time & Venue	Name of the Slow Learner	Name of the Fast Learner	Topic	Subject
4/1/2023	O Siva Krishna, III CSE-C	T Sai Swetha, III CSE-C	OSI Layers	Computer Networks
4/1/2023	K Sree Nikhita, III CSE-C	M Sanjana, III CSE-C	Types of Grammar	FLAT
5/1/2023	M Sai Ram, III CSE-C	A Rohith Sai, III CSE-C	Life Cycle model Comparison	Software Engineering
5/1/2023	L Neelakanteswar, III CSE-C	K Thanooja, III CSE-C	Widget and its types	MAD
6/1/2023	G Sai Eshmitha, III CSE-C	T Tonika, III CSE-C	Supervised and Unsupervised Learning Algorithm	DWM
6/1/2023	B.Tejaswini, III CSE-C	D Sai Sowmya III CSE-C	Types of Turing Machines	FLAT
7/1/2023	Y Sai Yaswanth, III CSE-C	V Naga Tejashwini, III CSE-C	TCP/IP Layers	Computer Networks

Proof:



Signature of Facilitator

Signature of Coordinator

HEAD
Dept. of Comp. Science Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-517 520

Signature of the Chairman, Steering Committee
(PRINCIPAL)

PRINCIPAL
ANNAMACHARYA INSTITUTE OF
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VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
Artificial Intelligence and DataScience (AID)
(Effective for the batches admitted in 2022-23)

Team Peter Naur

Student Quality Circle Meeting UG of AID Engineering III year
Dated on 08DEC 2022 at 2:30pm in Room no:AG04

Agenda for Student Quality Circle:

i. Issues pertaining teaching-learning system.
ii. Guiding the slow learners towards improvement
iii. Unacceptable attitudes of the teachers
iv. Maintenance related issues
v. Inadequacy of the tools and materials etc in labs.

Members of Student Quality Circle 'Peter Naur'

S.No	Name of the Person	Designation	Position
1	J.Sivarani	Assistant Professor	Facilitator
2	D.Muni Sreenivas	Student	Leader
3	C.Meena	Programmer	Secretarial Assistant
4	KBoonu Sai	Student	Fast Learner
5	K.Dinseh	Student	Fast Learner
6	J.Naga Lakshmi	Student	Fast Learner
7	C.Dushyanth	Student	Slow Learner
8	C.Harshavardan Reddy	Student	Slow Learner
9	M.Mounith	Student	Slow Learner
10	P.Naveen	Student	Slow Learner
11	K.Roja	Student	Slow Learner
12	A Ganesh Kumar reddy	Student	Slow Learner
13	M.Chaitanya	Student	Slow Learner
14	K.Tirupathaiah	Student	Slow Learner

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
Artificial Intelligence and Data Science (AID)
(Effective for the batches admitted in 2022-23)

i. Subject Analysis and Issues pertaining teaching-learning system.

Subject Name	Problems Identified	Corrective Action
Artificial Intelligence	Good	—
Big Data Technologies	Good	—
Design and Analysis Algorithm	Good	—
Principle of Data Science	Good	—
Biology For Engineers	Good	—
Deterministic and stochastical Methods	Till now one unit completed. Need more explanation on Solving of mathematical methods.	Discussed and sorted with the concerned faculty.
Artificial Intelligence Lab	Good	—
Principle of Data Science Lab	Good	—
Conventional AI	Good	—

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ii. Guiding the slow learners towards improvement: Discussion has been done for the improvement of the slow learners on the subjects Artificial Intelligence.

Name of the Team	Topic Covered	Assignment Submission
Team A	A* (or) Chatbot	
K.Boonu Sai (Leader)		
K.Tirupathaiah	A* (or) Chatbot	YES
M.Mounith	A* (or) Chatbot	YES
P.Naveen	A* (or) Chatbot	YES
Team B	8-puzzle problem or Tower of Hanoi	
K.Dinesh (Leader)	8-puzzle problem or Tower of Hanoi	
C. Harshavardan Reddy	8-puzzle problem or Tower of Hanoi	YES
C.Dushyanth	8-puzzle problem or Tower of Hanoi	YES
A.Ganesh Kumar	8-puzzle problem or Tower of Hanoi	YES
Team C	Agents or A*	
J.Nagalakshmi(Leader)	Agents or A*	YES
K.Roja	Agents or A*	YES

Team A

Team B

Team C

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iii. Unacceptable attitudes of the teachers

As per the students assessment there is no such unacceptable attitudes of the teachers.

iv. Maintenance related issues

S. No.	Problems Identified	Corrective Action
1.	In the class of AID IIIYR Curtains	Discussed and brought in corrections through engineer and management ,staff
2.	Need Projector for explaining subjects	Discussed and brought in corrections through HOD sir

v. Inadequacy of the tools and materials in laboratory.

S. No.	Problems Identified	Corrective Action
1.	PDS, AI Labs are conducting in different labs.	Discussed and brought in corrections through HOD sir
2.	Installation of RStudio and Python softwares in lab	Discussed with Lab Technician

As per the Meeting the overall and Miscellaneous Problems:

S.No	Problems Identified	Corrective Action
1.	Some students from long distance; Koduru and Kalahasthy were facing Attendance loss due to traveling.	
2.	Installation of RStudio and Python softwares in lab	Discussed and brought in corrections through Lab Technician
3.	In the class of AID IIIYR Curtains	Discussed and brought in corrections through HOD sir
4.	Need Projector for explaining subjects	Discussed and brought in corrections through HOD sir.
5.	Deterministic and stochastical Methods Till now one unit completed. Need more explanation on Solving of mathematical methods.	Discussed and sorted with the concerned faculty.

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
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Course structure for Four Year Regular B.Tech. Degree Program
Artificial Intelligence and Data Science (AID)
(Effective for the batches admitted in 2022-23)

J. Sivaram
Signature of Facilitator

Signature of Coordinator

Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-517 520

Signature of the Chairman, Steering Committee
(PRINCIPAL)

PRINCIPAL
ANNAMACHARYA INSTITUTE OF
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VENKATAPURAM (Vill.),
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE ENGINEERING (CSE)
(Effective for the batches admitted in 2022-23)

Team Rasmus Lerdorf

Student Quality Circle Meeting UG of Computer Science Engineering III year
Dated on 7 Dec 2022 at 2: 00 pm in John Mccarthy Lab.

Agenda for Student Quality Circle:

i. Issues pertaining teaching-learning system.
ii. Guiding the slow learners towards improvement
iii. Unacceptable attitudes of the teachers
iv. Maintenance related issues
v. Inadequacy of the tools and materials etc in labs.

***Members of Student Quality Circle* 'Rasmus Lerdorf'**

S. No	Name of the Person	Designation	Position
1	P. Charishma	Assistant Professor	Facilitator
2	P. Sai Teja	Student	Leader
3	C. Meena	Lab Technician	Secretarial Assistant
4	S. Chandana	Student	Fast Learner
5	T. Charan Teja	Student	Fast Learner
6	S. Dileep	Student	Fast Learner
7	G. Navaz	Student	Fast Learner
8	K. Poojitha	Student	Fast Learner
9	V. Rakesh	Student	Fast Learner
10	O. Vasmi Krishna	Student	Fast Learner
11	S. Vignesh	Student	Slow Learner
12	K. Suman Kumar Reddy	Student	Slow Learner
13	B. Karthik	Student	Slow Learner
14	K. Durga Prasad	Student	Slow Learner
15	D. Sravani	Student	Slow Learner
16	S. Harsha Vardhan	Student	Slow Learner
17	A.V. Rajarshi Reddy	Student	Slow Learner

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE ENGINEERING (CSE)
(Effective for the batches admitted in 2022-23)

(i) Subject Analysis and Issues pertaining teaching-learning system

Subject Name	Problems Identified	Corrective Action
Cryptography and Network Security	Good	–
Embedded Systems and Internet of Things	Good	–
Fundamentals of Block chain Technology	Good	–
Mathematical Modeling and Stimulation	Need for the more explanation and practice assignments	Discussed and sorted with the concerned faculty.
Automata Theory and Compiler Design	Good	–
Cryptography and Network Security Lab	Good	–
Embedded Systems and Internet of Things Lab	Good	–
Soft skills	Good	–
Biology for engineers	Good	–

(ii)Guiding the slow learners towards improvement: ***Discussion has been done for the improvement of the slow learners on the subject Mathematical Modeling and Stimulation***

Name of the Team	Topic Covered	Assignment Submission
S. Vignesh	Linear growth and decay models	YES
K. Suman Kumar Reddy	differential equations of first order.	YES
B. Karthik	Mathematical modeling of Planetary motion	YES
K. Durga Prasad	Circular motion and motion of satellites	YES
D. Sravani	linear differential equations of second order	YES
S. Harsha Vardhan	Difference equations and simple models	YES

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(iii) Unacceptable attitudes of the teachers

As per the students' feedback, none of the faculty members show unacceptable attitude towards the students.

(iv) Maintenance related issues

S. No.	Problems Identified	Corrective Action
1.	Need of dustbin in the classroom. Suggested for proper cleaning of the classroom daily.	Discussed and brought in corrections through engineer and maintenance staff.
2.	Need of replacement of tables as few are broken.	Discussed and brought in corrections through engineer and maintenance staff.
3.	Need hygienic maintenance of the restrooms of both boys & girls	Discussed and brought in corrections through engineer and maintenance staff.

(v) Inadequacy of the tools and materials in laboratory:

Students don't have inadequacy of any laboratory resources. They are extremely happy regarding this.

As per the Meeting the overall and Miscellaneous Problems:

S.No	Problems Identified	Corrective Action
1.	Need of a complaint box	Discussed and brought in corrections through engineer and maintenance staff.
2.	Proper cleaning of the classroom and need of a dustbin	Discussed and brought in corrections through engineer and maintenance staff.
3.	Replacement of tables as few are broken.	Discussed and brought in

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		corrections through engineer and maintenance staff.
4.	Hygienic maintenance of the restrooms of both boys & girls need to be improved	Discussed and brought in corrections through engineer and maintenance staff.
5.	Students are stopped for a complete hour if they are late for few minutes. Due to which they are missing the first hour.	Discussed and brought in corrections through engineer and maintenance staff.
6.	Providing lift facility to the students in the morning to reach their classes in the higher floors.	Discussed and brought in corrections through engineer and maintenance staff.

P. Charishma

Signature of Facilitator

Signature of Coordinator

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Annamacharya Institute of Technology & Sciences, Tirupati-5

Signature of the Chairman, Steering Committee
(PRINCIPAL)

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RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
COMPUTER SCIENCE AND ENGINEERING (CSE)

TEAM : LARRY WALL

Student Quality Circle Meeting UG of Computer Science and Engineering II year
Dated on 03-01-2023 at 3:00pm

Agenda for Student Quality Circle:

i. Flaws related to teaching-learning process.
ii. Discussion related to slow learners improvement.

Members of Student Quality Circle 'Larry Wall'

S.NO.	Name	Designation in SQC
1.	K Divya, Faculty & Class Teacher	Facilitator
2.	B.Charitha, II CSE-1, Fast Learner	Leader
3.	C. Meena , Programmer in CSE	Secretarial Assistant
4.	Harshavardhan , II CSE-1	Fast learner
5.	Aseef, II CSE-1	Fast learner
6.	Ajay reddy, II CSE-1	Fast learner
7.	P.Bindu sree, II CSE-1	Fast learner
8.	A.Chandrika, II CSE-1	Fast learner
9.	Anurag, II CSE-1	Fast learner
10.	N.Joshna, II CSE-1	Fast learner
11.	Bhanu Prajwal, II CSE-1	Slow learner
12.	Janaki Ramudu, II CSE-1	Slow learner
13.	K.Y.Dilli Babu, II CSE-1	Slow learner
14.	Bindu Madhavi, II CSE-1	Slow learner
15.	Harshitha, II CSE-1	Slow learner
16.	Earshad, II CSE-1	Slow learner
17.	Ganesh.M, II CSE-1	Slow learner

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(AUTONOMOUS)
COMPUTER SCIENCE AND ENGINEERING (CSE)

i. Flaws related to teaching-learning process.

Subject Name	Problems Identified	Corrective Action
Discrete Mathematical Structures	Good	-
Digital Electronics & Microprocessors	Can't able to understand the topics.	Discussed and sorted with the concerned faculty.
Database Management Systems	Good	-
Basics of Python Programming	Good	-
Basics of Electrical and Electronics Engineering	Good	-
Database Management Systems Lab	Good	-
Basics of Python Programming Lab	Good	-
Basics of Electrical and Electronics Engineering Lab	Good	-
Client Side Scripting	Good	-
Constitution of India	Good	-

ii. Discussion related to slow learners improvement: Discussion has been done for the improvement of the slow learners on the subjects of Discrete mathematics, DEM.

More than one Fast Learners are appointed for every slow learner to teach the important topics from the above specified subjects and in this regard slow learners are asked to submit the assignments for the same to the corresponding subject faculty before the next SQC meeting.

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
COMPUTER SCIENCE AND ENGINEERING (CSE)

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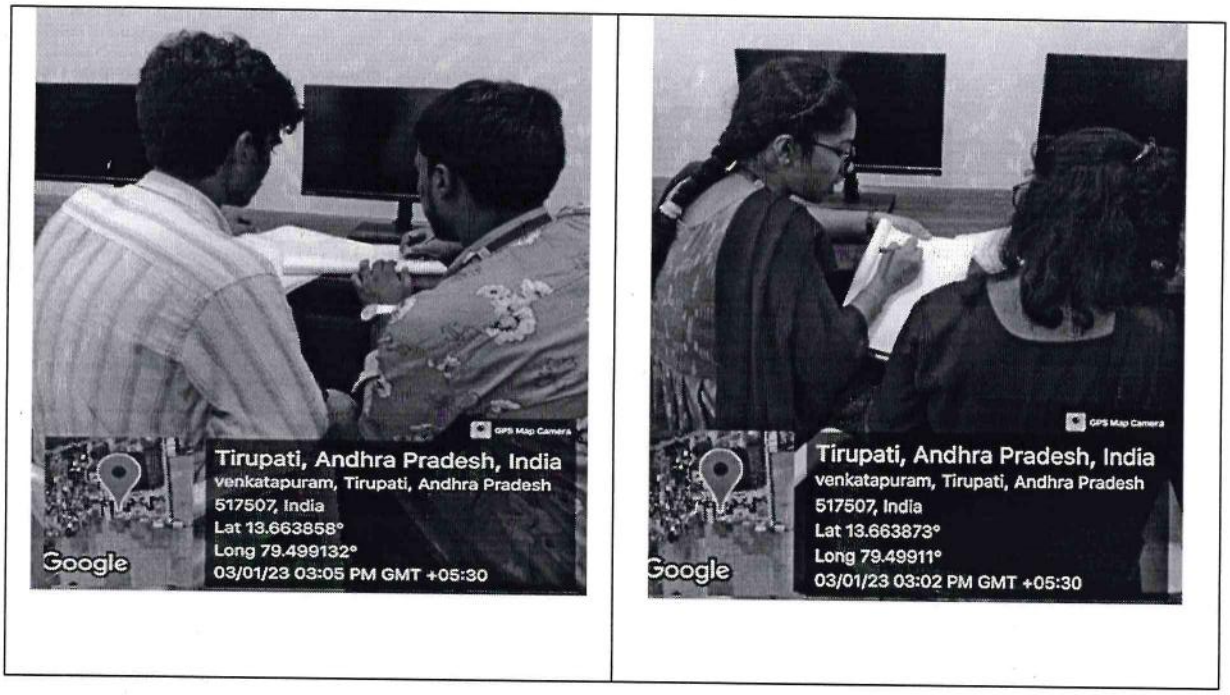

Signature of Facilitator

Signature of Coordinator

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Signature of the Chairman, Steering Committee

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RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
(Effective for the batches admitted in 2020-21)

Team: Raymond Boyce

Student Quality Circle Meeting UG of Computer Science and Engineering II year
Dated on 12th Jan' 2023 at 11:30am

Agenda for Student Quality Circle:

i. Flaws related to teaching-learning process.
ii. Discussion related to slow learners improvement.

Members of Student Quality Circle 'Raymond Boyce'

S.NO.	Name	Designation in SQC
1.	L. Charitha, Faculty & Class Teacher	Facilitator
2.	B. Mahathi, II CSE-2	Leader
3.	C. Meena, Programmer in CSE	Secretarial Assistant
4.	Kavya K, II CSE-2	Fast learner
5.	Kavyamrutha P, II CSE-2	Fast learner
6.	Maaz M S, II CSE-2	Fast learner
7.	Poorna Chandra G, II CSE-2	Fast learner
8.	Ramnath K, II CSE-2	Fast learner
9.	Renuka P, II CSE-2	Fast learner
10.	Rohini Deepthi, II CSE-2	Fast learner
11.	Leela Krishna N, II CSE-2	Slow learner
12.	Lakshmi Narayana N, II CSE-2	Slow learner
13.	Nayaz Shaik, II CSE-2	Slow learner
14.	Ramesh M, II CSE-2	Slow learner
15.	Sai Saran U, II CSE-2	Slow learner
16.	Sandeep A, II CSE-2	Slow learner
17.	Manoj Kumar R, II CSE-2	Slow learner
18.	Naveen Kumar P, II CSE-2	Slow learner

i. Flaws related to teaching-learning process.

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Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
(Effective for the batches admitted in 2020-21)

Subject Name	Problems Identified	Corrective Action
Discrete Mathematical Structures	Good. Need to explain the concept properly.	Discussed and sorted with the concerned faculty.
Database Management System	Everything is Good.	-
Digital Electronics and Microprocessors	Very difficult subject Can't able to understand properly. Teaching should be slow with more detailed explanation and want neat notes.	Discussed and sorted with the concerned faculty.
Basics of Python Programming	Everything is Good.	-
Basics of Electrical and Electronics Engineering	Good	-
Database Management System Laboratory	Good	-
Basics of Python Programming Laboratory	Good	-
Basics of Electrical and Electronics Engineering Laboratory	Good	-
Client Side Scripting	Everything is Good.	-
Constitution of India	Explanation should be clear.	Discussed and sorted with the concerned faculty.

ii. Discussion related to slow learners improvement: ***Discussion has been done for the improvement of the slow learners on the subjects of Discrete Mathematical Structures, Digital Electronics and Microprocessors, Basics of Electrical and Electronics Engineering.***

More than one Fast Learners are appointed for every slow learner to teach the important topics from the above specified subjects and in this regard slow learners are asked to submit the assignments for the same to the corresponding subject faculty before the next SQC meeting.

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Course structure for Four Year Regular B.Tech. Degree Program
COMPUTER SCIENCE AND ENGINEERING (CSE)
(Effective for the batches admitted in 2020-21)

Time Table for the Improvement of Slow Learner

Date, Time & Venue	Name of the Slow Learner	Name of the Fast Learner	Topic	Subject
12/01/2023	B. Mahathi, II CSE-2	Leela Krishna N, II CSE-2	Flip-Flops	Digital Electronics and Microprocessors
12/01/2023	Kavya K, II CSE-2	Manoj Kumar R, II CSE-2	SOP and POS methods – Simplification of Boolean functions using K-maps,	Digital Electronics and Microprocessors
13/01/2023	Kavyamrutha P, II CSE-2	Naveen Kumar P, II CSE-2	Multiple Roots	Discrete Mathematical Structures
13/01/2023	Ramnath K, II CSE-2	Ramesh M, II CSE-2	8086 microprocessor	Digital Electronics and Microprocessors
13/01/2023	Maaz M S, II CSE-2	Sandeep A, II CSE-2	EMF equations, JFET and MOSFET construction,	Basics of Electrical and Electronics Engineering

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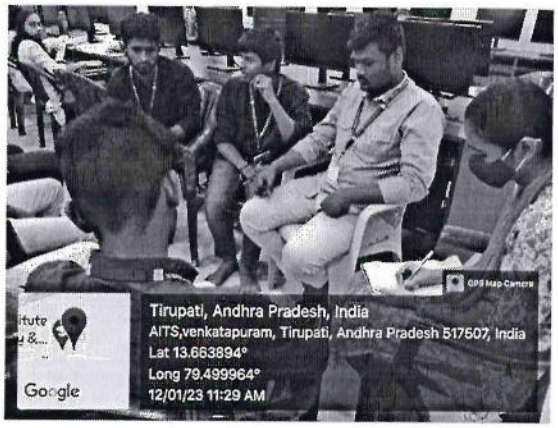

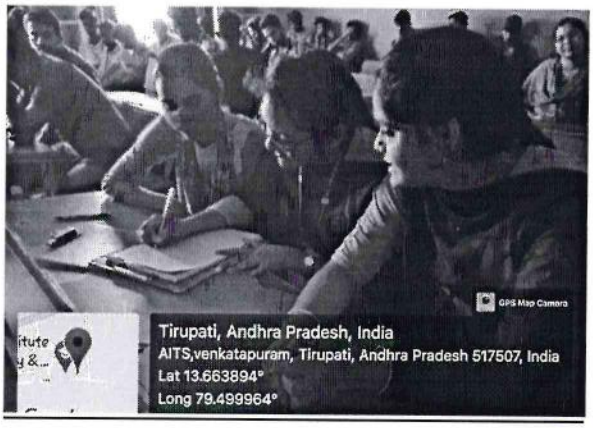

Signature of Facilitator

Signature of Coordinator

Signature of the Chairman, Steering Committee
(PRINCIPAL)

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VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
COMPUTER SCIENCE AND ENGINEERING (CSE)

Team: Brendan Eich

Student Quality Circle Meeting UG of Computer Science and Engineering II year
Dated on 11th Jan' 2023 at 12:30pm

Agenda for Student Quality Circle:

i. Flaws related to teaching-learning process.
ii. Discussion related to slow learners improvement.

Members of Student Quality Circle 'Brendan Eich'

S.NO.	Name	Designation in SQC
1.	G. Kanishka, Faculty & Class Teacher	Facilitator
2.	K Vasudev, II CSE-3	Leader
3.	C. Meena, Programmer in CSE	Secretarial Assistant
4.	G Veeraswapna, II CSE-3	Fast learner
5.	P Vasu, II CSE-3	Fast learner
6.	N Sruthi, II CSE-3	Fast learner
7.	K R Varshitha, II CSE-3	Fast learner
8.	K Srinivas, II CSE-3	Fast learner
9.	K Siva Ganesh, II CSE-3	Fast learner
10.	T Vineetha, II CSE-3	Fast learner
11.	K Subhash, II CSE-3	Slow learner
12.	B Shashi Kumar, II CSE-3	Slow learner
13.	A Sneha, II CSE-3	Slow learner
14.	T Yashwanth, II CSE-3	Slow learner
15.	V Nitheesh Babu, II CSE-3	Slow learner
16.	M Ravindra, II CSE-3	Slow learner
17.	A Sarath Kumar, II CSE-3	Slow learner

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i. *Flaws related to teaching-learning process.*

Subject Name	Problems Identified	Corrective Action
Discrete Mathematical Structures	Good and want unit-1 revision once again.	Discussed and sorted with the concerned faculty.
Database Management System	Good.	-
Digital Electronics and Microprocessors	Very difficult subject Can't able to understand properly. Teaching should be slow with more detailed explanation and want neat notes.	Discussed and sorted with the concerned faculty.
Basics of Python Programming	Good	-
Basics of Electrical and Electronics Engineering	Teaching is fast and want more explanation about topics (ECE). PDF's was difficult to understand want some understandable notes. (EEE)	Discussed and sorted with the concerned faculty.
Database Management System Laboratory	Good	-
Basics of Python Programming Laboratory	Good	-
Basics of Electrical and Electronics Engineering Laboratory	Good	-
Client Side Scripting	Want material for theory topics.	Discussed and sorted with the concerned faculty.
Constitution of India	Want more explanation about topics.	Discussed and sorted with the concerned faculty.

ii. *Discussion related to slow learners improvement: Discussion has been done for the improvement of the slow learners on the subjects of Discrete Mathematical Structures, Digital Electronics and Microprocessors, Basics of Electrical and Electronics Engineering.*

More than one Fast Learners are appointed for every slow learner to teach the important topics from the above specified subjects and in this regard slow learners are asked to submit the assignments for the same to the corresponding subject faculty before the next SQC meeting.

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
COMPUTER SCIENCE AND ENGINEERING (CSE)

Time Table for the Improvement of Slow Learner

Date, Time & Venue	Name of the Slow Learner	Name of the Fast Learner	Topic	Subject
11/01/2023	V. Nitheesh babu, II CSE-3	K. Vasudev, II CSE-3	T Flip-Flops	Digital Electronics and Microprocessors
11/01/2023	A. Sneha, II CSE-3	N. Sruthi, II CSE-3	SOP and POS methods – Simplification of Boolean functions using K-maps,	Digital Electronics and Microprocessors
12/01/2023	A.Sarath Kumar, II CSE-3	P. Vasu, II CSE-3	Normal Forms	Discrete Mathematical Structures
11/01/2023	B.Shashi Kumar, II CSE-3	K. Siva Ganesh, II CSE-3	8086 microprocessor	Digital Electronics and Microprocessors
12/01/2023	A. Sneha, II CSE-3	T.Vineetha, II CSE-3	EMF equations, JFET and MOSFET construction,	Basics of Electrical and Electronics Engineering

Proof:

Signature of Facilitator

Signature of Coordinator

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Dept. of Computer Science & Engg
Annamacharya Institute of
Technology & Sciences, Tirupati-517 520

Signature of the Chairman, Steering Committee

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VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

(PRINCIPAL)

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
Artificial Intelligence and Data Science (AIDS)
(Effective for the batches admitted in 2021-22)

Team Pushpak Bhattacharyya

Student Quality Circle Meeting UG of Computer Science and Engineering III year
Dated on 28 Jan 2023 at 3:30pm in Room no:A306

Agenda for Student Quality Circle:

i. Flaws related to teaching-learning process
ii. Discussion related to slow learners improvement.

Members of Student Quality Circle 'Pushpak Bhattacharyya'

S.No	Name of the Person	Designation	Position
1	M. Reddi Durgasree,	Faculty & Class Teacher	Facilitator
2	M. Moulali Shariff, II AID-1	Student	Leader
3	C.Meena	Programmer	Secretarial Assistant
4	P. Lakshmi Priyanka, II AID-1	Student	Fast Learner
5	B. Harika, II AID-1	Student	Fast Learner
6	P. Dileep Kumar Reddy, II AID-1	Student	Fast Learner
7	P. Bhargav Ram, II AID-1	Student	Slow Learner
8	N. Charan, II AID-1	Student	Slow Learner
9	V. C. Dhurgesh, II AID-1	Student	Slow Learner
10	M. Hema Kumar, II AID-1	Student	Slow Learner
11	M. Mahima Chowdary, II AID-1	Student	Slow Learner
12	B. Mamatha, II AID-1	Student	Slow Learner
13	K. Mounisha, II AID-1	Student	Slow Learner
14	Shaik Mubashar, II AID-1	Student	Slow Learner
15	M. Mukesh Babu, II AID-1	Student	Slow Learner
16	P. Hemesh Babu, II AID-1	Student	Slow Learner
17	B. Babu Kumar, II AID-1	Student	Slow Learner
18	A. Jagan Mohan, II AID-1	Student	Slow Learner

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
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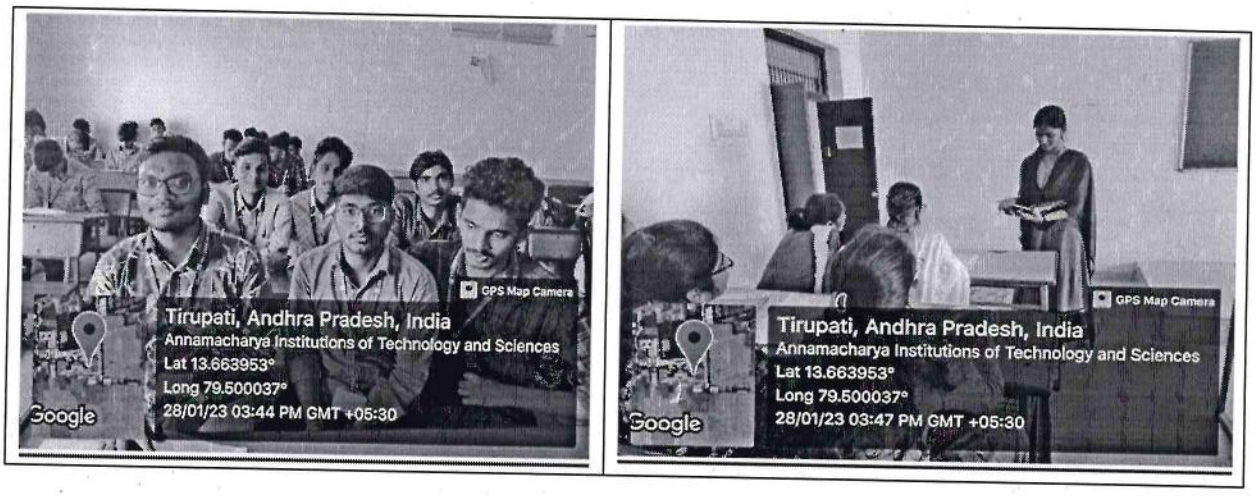
Course structure for Four Year Regular B.Tech. Degree Program
ARTIFICIAL INTELLIGENCE & DATA SCIENCE (AI&DS)
(Effective for the batches admitted in 2021-22)



i. *Flaws related to teaching-learning process.*

Subject Name	Problems Identified	Corrective Action
Discrete Mathematical Structures	Good	-
Digital Electronics and Microprocessors	Good	-
Database Management System	Good.	-
Object Oriented Programming Through JAVA	Good	-
Computer Organization	Good	-
Client Side Scripting	Good	-
Constitution of India	Good	-
Database Management System Laboratory	Good	-
Object Oriented Programming Through JAVA Laboratory	Good	-
Computer Organization Laboratory	Good	-

ii. *Discussion related to slow learners improvement: Discussion has been done for the improvement of the slow learners on the subjects of JAVA, DEM, DMS, DBMS & CO.*

More than one Fast Learners are appointed for every slow learner to teach the important topics from the above specified subjects and in this regard slow learners are asked to submit the assignments for the same to the corresponding subject faculty before the next SQC meeting.

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
ARTIFICIAL INTELLIGENCE & DATA SCIENCE (AI&DS)
(Effective for the batches admitted in 2021-22)

Time Table for the Improvement of Slow Learner

Date, Time & Venue	Name of the Slow Learner	Name of the Fast Learner	Topic	Subject
28/01/2023	N. Charan, II AID-1	P. Dileep kumar reddy, II AID-1	Collections	JAVA
28/01/2023	V. C. Dhurgesh, II AID-1	P. Dileep kumar reddy, II AID-1	Query Processing	DBMS
28/01/2023	Shaik Mubashar, II AID-1	P. Dileep kumar reddy, II AID-1	Homogeneous and non-homogeneous recurrence relation	DMS
28/01/2023	M. Mahima Chowdary, II AID-1	P. Lakshmi Priyanka, II AID-1	8086, 8085 micro processors	DEM
28/01/2023	K. Mounisha, II AID-1	P. Lakshmi Priyanka, II AID-1	Booths Algorithm, Restore & Non-restore division methods	CO

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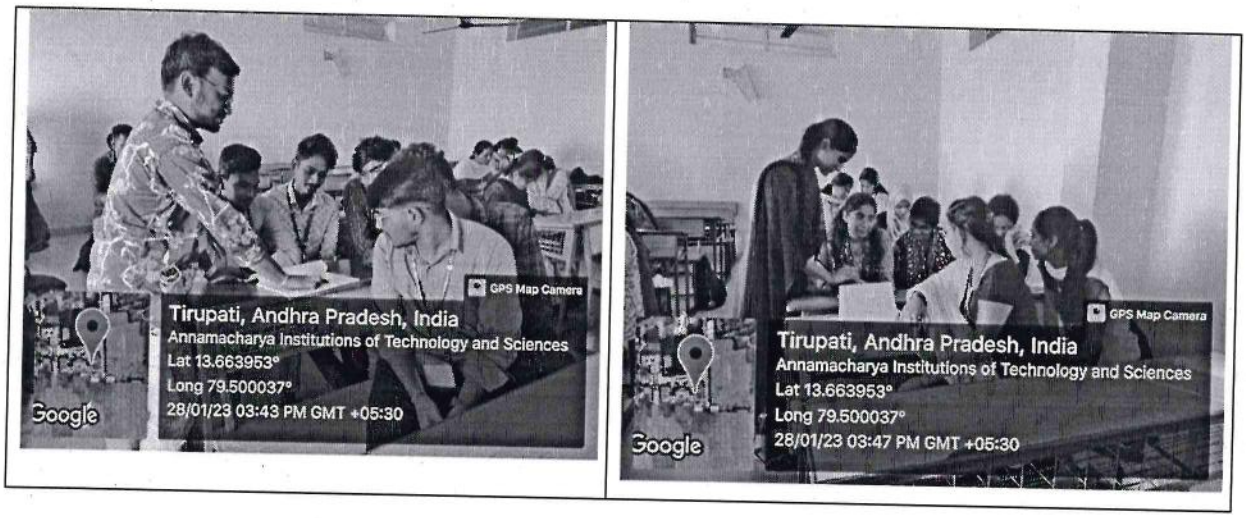

Signature of Facilitator

Signature of Coordinator

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Annamacharya Institute of
Technology & Sciences, Tirupati-5

Signature of the Chairman, Steering Committee
(PRINCIPAL)

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VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
ARTIFICIAL INTELLEGENCE AND DATA STRUCTURE(AIDS)
(Effective for the batches admitted in 2020-21)

Team: GUIDO VAN ROSSUM

Student Quality Circle Meeting UG of Computer Science and Engineering II year
Dated on 8th Dec' 2022 at 12:30 pm

Agenda for Student Quality Circle:

i. Flaws related to teaching-learning process.
ii. Discussion related to slow learners improvement.

Members of Student Quality Circle 'GUIDO VAN ROSSUM'

S.NO	Name	Designation in SQC
1	S.Venkata lakshmi , Faculty & Class Teacher	Facilitator
2	K.Sai Chowdary, II AIDS-B	Leader
3	C. Meena, Programmer in CSE	Secretarial Assistant
4	P.Sravani, II AIDS-B	Fast learner
5	P.Susmitha, II AIDS-B	Fast learner
6	C.Vijayalakhmi, II AIDS-B	Fast learner
7	P.Sai Ganesh Reddy, II AIDS-B	Fast learner
8	R.Pavithra, II AIDS-B	Fast learner
9	V.Satwik, II AIDS-B	Fast learner
10	K.Tharun Kumar, II AIDS-B	Slow learner
11	K.Tej Deep, II AIDS-B	Slow learner
12	Vennela U, II AIDS-B	Slow learner
13	Rakesh J, II AIDS-B	Slow learner
14	C.Sreenu C, II AIDS-B	Slow learner
15	P.Sai Teja, II AIDS-B	Slow learner
16	B.Puneeth, II AIDS-B	Slow learner

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
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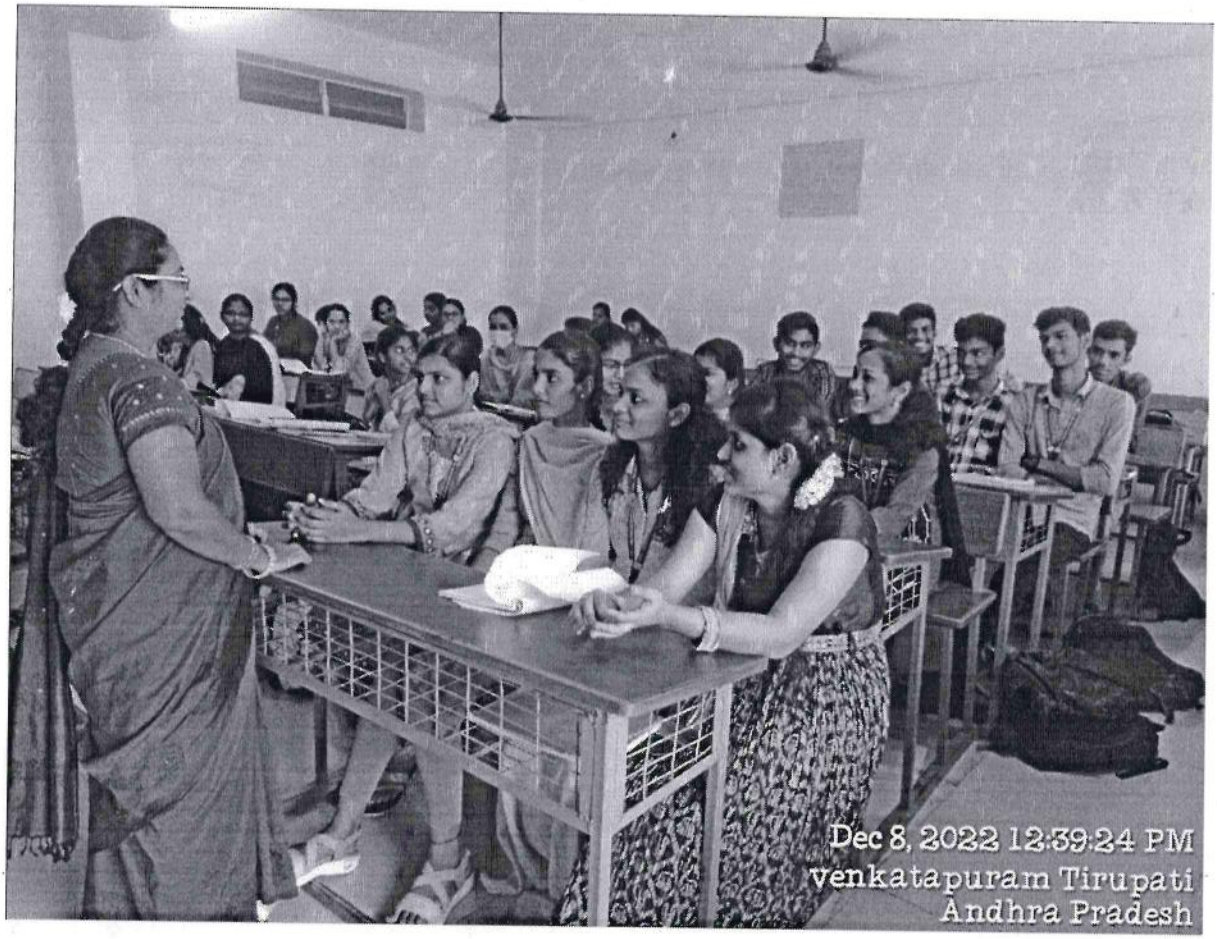
Course structure for Four Year Regular B.Tech. Degree Program
ARTIFICIAL INTELLEGENCE AND DATA STRUCTURE(AIDS)
(Effective for the batches admitted in 2020-21)



i. *Flaws related to teaching-learning process.*

Subject Name	Problems Identified	Corrective Action
Discrete Mathematical Structures	Good	-
Digital Electronics and Microprocessors	Very Good	-
Database Management Systems	Very Good	-
Object oriented Programming Through JAVA	Very Good	-
Computer Organization	Very Good	-
Database Management Systems Lab	Good	-
Object oriented Programming Through JAVA Lab	Good	-
Computer Organization Lab	Good	-
Constitution of India	Very Good	-
Client slide scripting	Good	-

ii. Discussion related to slow learners improvement: ***Discussion has been done for the improvement of the slow learners on the subjects of Computer Networks, Software Engineering, and FLAT& DWM.***

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Course structure for Four Year Regular B.Tech. Degree Program
ARTIFICIAL INTELLEGENCE AND DATA STRUCTURE(AIDS)
(Effective for the batches admitted in 2020-21)

More than one Fast Learners are appointed for every slow learner to teach the important topics from the above specified subjects and in this regard slow learners are asked to submit the assignments for the same to the corresponding subject faculty before the next SQC meeting.

Time Table for the Improvement of Slow Learner

Date, Time & Venue	Name of the Slow Learner	Name of the Fast Learner	Topic	Subject
4/1/2023	K.Tharun Kumar , II AIDS-B	K.Sai Chowdary, II AIDS-B	Homogenious&nonhomogeneous recurrence relation	Discrete Mathematical Structures
4/1/2023	K.Tej Deep, II AIDS-B	P.Susmitha, II AIDS-B	8085,8086 micro processors	Digital Electronics and Microprocessors
5/1/2023	Vennela U, II AIDS-B	C.Vijayalakhmi, II AIDS-B	Normal forms	Database Management Systems
5/1/2023	Rakesh J, II AIDS-B	P.Sai Ganesh Reddy, II AIDS-B	Collections	Object oriented Programming Through JAVA
6/1/2023	Sreenu C, II AIDS-B	R.Pavithra, II AIDS-B	Inter connection network	Computer Organization
6/1/2023	P.Sai Teja, II AIDS-B	V.Satwik, II AIDS-B	Draft the preamble of Indian constitution	Constitution of India
7/1/2023	B.Puneeth, II AIDS-B	P.Sravani, II AIDS-B	Slide show	Client slide scripting

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(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
ARTIFICIAL INTELLEGENCE AND DATA STRUCTURE(AIDS)
(Effective for the batches admitted in 2020-21)

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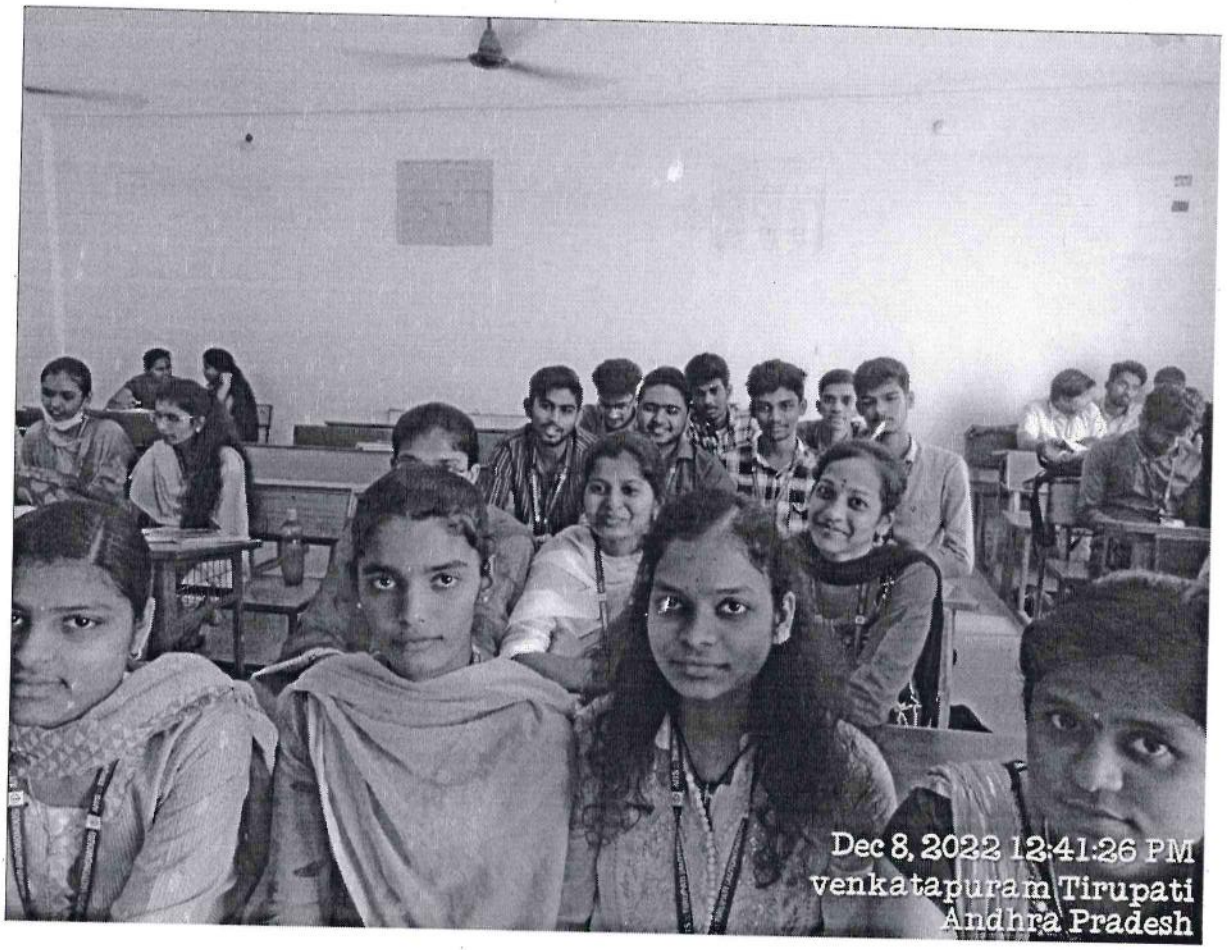

S. Venkata Lakshmi
Signature of Facilitator

Signature of Coordinator

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Annamacharya Institute of
Technology & Sciences, Tirupati-5

Signature of the Chairman, Steering Committee
(PRINCIPAL)

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VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
Artificial Intelligence and Machine Learning (AIML)
(Effective for the batches admitted in 2020-21)

Team Margaret Hamilton

Student Quality Circle Meeting UG of AIML Engineering II year
Dated on 14 DEC 2022 at 12:00pm in Room no:AG04

For Student Quality Circle:

i. Issues pertaining teaching-learning system.
ii. Guiding the slow learners towards improvement
iii. Unacceptable attitudes of the teachers
iv. Maintenance related issues
v. Inadequacy of the tools and materials etc in labs.

Members of Student Quality Circle 'MARGARET HAMILTON'

Composition: II Year AIML

S.NO.	Name	Designation in SQC
1	Y.Saroja, Faculty & Class Teacher	Facilitator
2	T.Kavitha, II AIML	Leader
3	T.Rajasekhar, Programmer in CSE	Secretarial Assistant
4	S.Tasneem, II AIML	Fast learner
5	J.KrupaIssac, II AIML	Fast learner
6	A.Parthasarathi Reddy, II AIML	Fast learner
7	K.Lakshmija, II AIML	Fast learner
8	M.Chandhana, II AIML	Fast learner
9	N.Navyasree, II AIML	Fast learner
10	V.Kishore, II AIML	Fast learner
11	M.Hemanadh, II AIML	Slow learner
12	J.Charan Kumar, II AIML	Slow learner
13	M.Hemanth Reddy, II AIML	Slow learner
14	K.Jayanth, II AIML	Slow learner
15	G.Sahithya, II AIML	Slow learner
16	K.Nagendra Babu, II AIML	Slow learner
17	J.Mamatha, II AIML	Slow learner

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-5

i. *Subject Analysis and Issues pertaining teaching-learning system.*

Subject Name	Problems Identified	Corrective Action
Discrete Mathematics Structure	Good	–
Digital Electronics and Microprocessors	Good	–
Database Management System	Good	–
Object Oriented Programming Through JAVA	Good	–
Computer Organization and Architecture	Good	–
Database Management system laboratory	Good	–
JAVA Lab	Good	–
COA Lab	Good	–
CSS	Good	–
COI	Good	–

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-5

i. ***Guiding the slow learners towards improvement:*** ***Discussion has been done for the improvement of the slow learners on the subjects .***

Team

N=Name of the team	Topic Covered	Assignment Submission
A:JAVA		
J.KrupaIssac(Leader)	About Packages	Yes
M.Hemanth Reddy	About exception handling	Yes
J.Charan Kumar	About Interfaces	Yes
Team B:DEM		
A.Parthasarathi Reddy (Leader)		
K.Jayanth	Encoders & Decoders	Yes
M.Hemanathreddy	Realization of gates: XOR	Yes
Team C:DBMS		
V.Kishore(leader)		
G.Sahitya	Relational Query Languages	Yes
K.Nagendra Babu	About JDBS&ODBC	Yes
Team D		
S.Tasneem(Leader)		
J.Mamatha	About JDBC&ODBC	Yes

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Annamacharya Institute of
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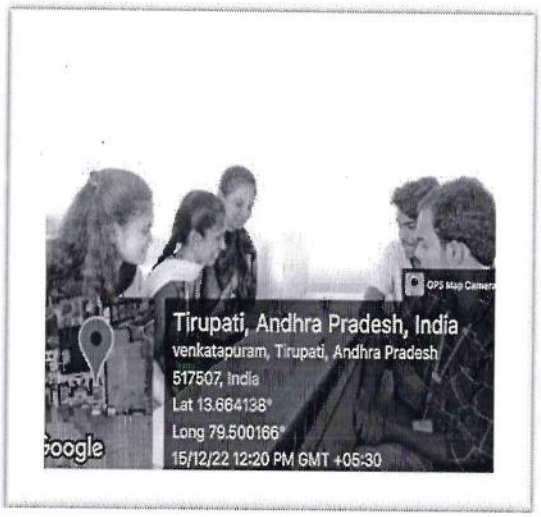
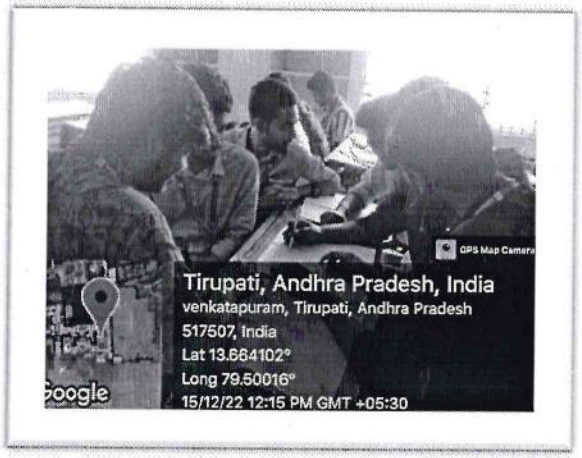
Team A

Team B



Team c



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Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-5

iii. Unacceptable attitudes of the teachers

As per the students assessment there is no such unacceptable attitudes of the teachers.

iv. Maintenance related issues

S. No.	**Problems Identified**	**Corrective Action**
1.	In the class of AIML, Curtains are needed	Discussed with the Engineer.
2.	Need Projector for explaining subjects	Discussed with HOD Sir
3.	Most of the desks in our classroom are broken and need to be replaced with proper new ones	

v. Inadequacy of the tools and materials in laboratory.

S. No.	**Problems Identified**	**Corrective Action**
1.	Installation of SQL and ECLIPSE software in lab	Discussed with Lab Technician

As per the Meeting the overall and Miscellaneous Problems:

S.No	**Problems Identified**	**Corrective Action**
1.	Most of the descks in my classroom are broken and need to be replaced with proper new ones.	
2.	Installation of SQL and Eclipsesoftwares in lab	Discussed with Lab Technician
3.	In the class of AIML IIYR Curtains	Discussed with the HOD sir.
4.	Need Projector for explaining subjects	Discussed with the HOD sir.
5.	Determine DMS and DEM logical Methods in understandable manner. Need more explanation on Solving of mathematical methods.	Discussed and shorted with the concerned faculty.

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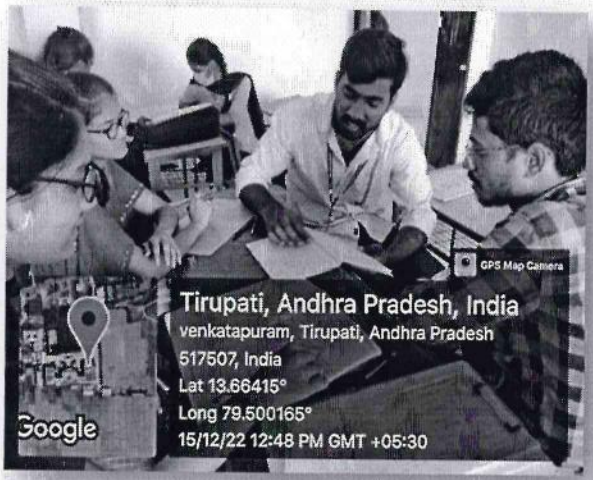

Signature of Facilitator

Signature of Coordinator

Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-517 520

Signature of the Chairman, Steering Committee
(PRINCIPAL)

PRINCIPAL
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
IOT AND CYBER CECURITY INCLUDING BLOCK CHAIN TECHNOLOGY(CIC)
(Effective for the batches admitted in 2021-22)

Team: Donald Chamberlin

Student Quality Circle Meeting UG of IOT And Cyber Cecurity Including Block Chain Technology II year
Dated on 19th Dec' 2022 at 10:00am in Room no:A209

Agenda for Student Quality Circle:

i. Flaws related to teaching-learning process.
ii. Discussion related to slow learners improvement.

Members of Student Quality Circle 'DONALD CHAMBERLIN'

S.NO.	Name	Designation in SQC
1	N.GEETHANJALI, Faculty & Class Teacher	Facilitator
2	P.Samanth Kumar Reddy, II CIC	Leader
3	C.MEENA , Programmer in CSE	Secretarial Assistant
4	V.GaanaSree, II CIC	Fast learner
5	N.Hema , II CIC	Fast learner
6	K.Mohan Reddy, II CIC	Fast learner
7	C.Sai Pavan, II CIC	Fast learner
8	K. Vedha Sree, II CIC	Fast learner
9	P.Teja Reddy, II CIC	Fast learner
10	M.Vinay Kumar Reddy, II CIC	Fast learner
11	K.T.Ajith Kumar, II CIC	Slow learner
12	K.Poojitha, II CIC	Slow learner
13	P.Sai Prathap, II CIC	Slow learner
14	P.Sandeep Kumar Reddy, II CIC	Slow learner
15	G.Thanuja, II CIC	Slow learner
16	B.Pavan Kumar Reddy, II CIC	Slow learner
17	Shaik Manisha, II CIC	Slow learner

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Dept. of Computer Science & Engg.
Annamacharya Institute of
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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
IOT AND CYBER CECURITY INCLUDING BLOCK CHAIN TECHNOLOGY(CIC)
(Effective for the batches admitted in 2021-22)

i. Flaws related to teaching-learning process.

Subject Name	Problems Identified	Corrective Action
Discrete Mathematical Structures	VERY GOOD	-
Database Management Systems	VERY GOOD	-
Digital Electronics and Microprocessors	CAN'T UNDERSTAND THE TOPICS DUE TO LESS TIME	Discussed and sorted with the concerned faculty
Basics of Python Programming	VERY GOOD	-
Basics of Electrical And Electronics Engineering	GOOD	-
Database Management Systems Lab	VERY GOOD	-
Basics of Python Programming Lab	VERY GOOD	-
Basics of Electrical And Electronics Engineering Lab	VERY GOOD	-
Client Side Scripting	VERY GOOD	-
Constitution Of India	GOOD	-

ii. Discussion related to slow learners improvement: Discussion has been done for the improvement of the slow learners on the subjects of Computer Networks, Software Engineering, and FLAT& DWM.

More than one Fast Learners are appointed for every slow learner to teach the important topics from the above specified subjects and in this regard slow learners are asked to submit the assignments for the same to the corresponding subject faculty before the next SQC meeting.

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
IOT AND CYBER CECURITY INCLUDING BLOCK CHAIN TECHNOLOGY(CIC)
(Effective for the batches admitted in 2021-22)

Time Table for the Improvement of Slow Learner

Date, Time & Venue	Name of the Slow Learner	Name of the Fast Learner	Topic	Subject
19/12/2022	P.Sandeep Kumar Reddy, II CIC	P.Samanth Kumar Reddy, II CIC	MUX AND DEMUX	DEM
19/12/2022	G.Thanuja, II CIC	V.Gaana Sree, II CIC	Carry Look Ahead, Ripple Carry Adders	DEM
21/12/2022	Shaik Manisha, II CIC	N.Hema , II CIC	MOSFET,FET&Tunnel Diode	BEEE
21/12/2022	P.Sai Prathap, II CIC	M.Vinay Kumar Reddy, II CIC	MUX AND DEMUX	DEM
24/12/2022	B.Pavan Kumar Reddy, II CIC	P.Teja Reddy, II CIC	Logical Gate's	DEM
24/12/2022	K.Poojitha CIC, II	K. Vedha Sree, II CIC	Clauses	DBMS
26/12/2022	K.T.Ajith Kumar, II CIC	K.Mohan Reddy, II CIC	Gates & Adders	DEM

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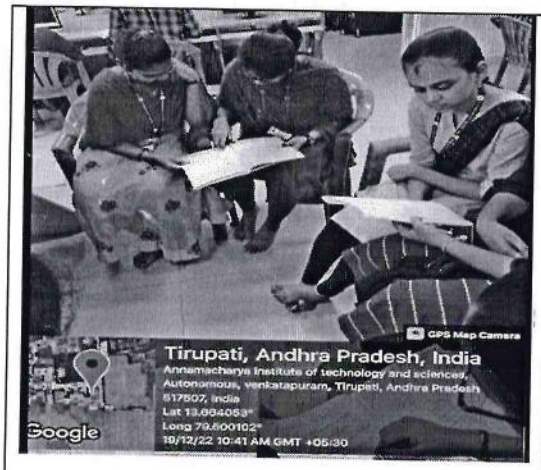

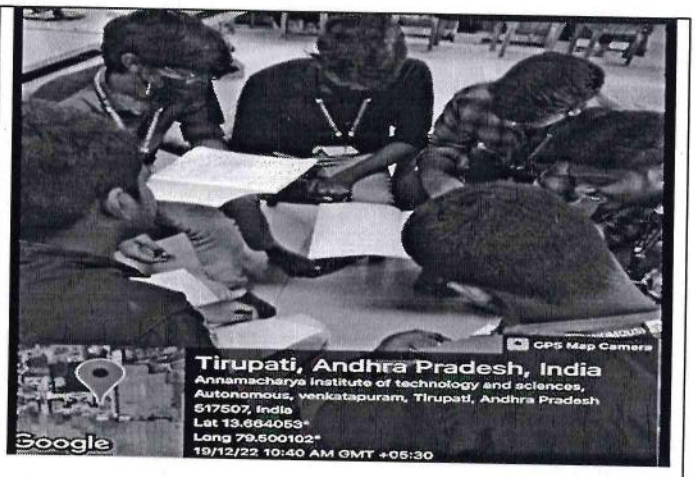

Signature of Facilitator

Signature of Coordinator

HEAD
Dept. of Computer Science & Engg.
Annamacharya Institute of
Technology & Sciences, Tirupati-5

Signature of the Chairman, Steering Committee
(PRINCIPAL)

PRINCIPAL
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of Mechanical Engineering

Student Quality Circle: Henry Ford

Composition: III B. Tech Sec – A

S.NO.	Name	Designation in SQC
1.	S Lakshmi	Facilitator
2.	LEELA CHANDU S	Leader
3.	N Megha Sai	Secretarial Assistant
4.	BHARATH KUMAR B	Fast learner
5.	NITHIN KUMAR	Fast learner
6.	CHANDU B	Slow learner
7.	DHEERAJ V A	Slow learner
8.	HARISH S	Slow learner
9.	MAHENDRA E	Slow learner
10.	KUSHAL A	Slow learner
11.	NARASIMHA MOHITH N	Slow learner
12.	NIVAS T M	Slow learner
13.	HARISH T	Slow learner

Signature of the Facilitator

Signature of the Coordinator

HEAD
DEPT. OF MECHANICAL ENGG
AITS., TIRUPATI-517 502.

Signature of the Chairman, Steering Committee

(PRINCIPAL)

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
MECHANICAL ENGINEERING (ME)
(Effective for the batches admitted in 2022-23)

Team : Henry Ford

Student Quality Circle Meeting UG of MECHANICAL Engineering III year
Dated on 14 DECEMBER 2022 at 12.15pm in Room no:AG01

Agenda for Student Quality Circle:

i. Issues pertaining teaching-learning system.
ii. Guiding the slow learners towards improvement
iii. Unacceptable attitudes of the teachers
iv. Maintenance related issues
v. Inadequacy of the tools and materials etc in labs.

Members of Student Quality Circle

S.No	Name of the Person	Designation	Position
1	S. Lakshmi	Assistant Professor	Facilitator
2	Leela chandu S	Student	Leader
3	N Megha Sai	Lab Technician	Secretarial Assistant
4	Bharath Kumar B	Student	Fast Learner
5	Nithin kumar	Student	Fast Learner
6	Chandu B	Student	Slow Learner
7	Dheeraj V A	Student	Slow Learner
8	Harish S	Student	Slow Learner
9	Mahendra E	Student	Slow Learner
10	Kushal A	Student	Slow Learner
11	Narishma mohith N	Student	Slow Learner
12	Nivas T M	Student	Slow Learner
13	Harish T	Student	Slow Learner

MBehis

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of Mechanical Engineering

Student Quality Circle: Henry Ford

Composition: III B. Tech Sec – A

S.NO.	Name	Designation in SQC
1.	S Lakshmi	Facilitator
2.	LEELA CHANDU S	Leader
3.	N Megha Sai	Secretarial Assistant
4.	BHARATH KUMAR B	Fast learner
5.	NITHIN KUMAR	Fast learner
6.	CHANDU B	Slow learner
7.	DHEERAJ V A	Slow learner
8.	HARISH S	Slow learner
9.	MAHENDRA E	Slow learner
10.	KUSHAL A	Slow learner
11.	NARASIMHA MOHITH N	Slow learner
12.	NIVAS T M	Slow learner
13.	HARISH T	Slow learner

Signature of the Facilitator

Signature of the Coordinator

HEAD
DEPT. OF MECHANICAL ENGG
AITS., TIRUPATI-517 520.

Signature of the Chairman, Steering Committee

(PRINCIPAL)

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
MECHANICAL ENGINEERING (ME)
(Effective for the batches admitted in 2022-23)

Team : Henry Ford

Student Quality Circle Meeting UG of MECHANICAL Engineering III year
Dated on 14 DECEMBER 2022 at 12.15pm in Room no:AG01

Agenda for Student Quality Circle:

i. Issues pertaining teaching-learning system.
ii. Guiding the slow learners towards improvement
iii. Unacceptable attitudes of the teachers
iv. Maintenance related issues
v. Inadequacy of the tools and materials etc in labs.

Members of Student Quality Circle

S.No	Name of the Person	Designation	Position
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3	N Megha Sai	Lab Technician	Secretarial Assistant
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5	Nithin kumar	Student	Fast Learner
6	Chandu B	Student	Slow Learner
7	Dheeraj V A	Student	Slow Learner
8	Harish S	Student	Slow Learner
9	Mahendra E	Student	Slow Learner
10	Kushal A	Student	Slow Learner
11	Narishma mohith N	Student	Slow Learner
12	Nivas T M	Student	Slow Learner
13	Harish T	Student	Slow Learner

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DEPT. OF MECHANICAL ENGG
AITS., TIRUPATI - 517 520

i. Subject Analysis and Issues pertaining teaching-learning system.

i.

Subject Name	Problems Identified	Corrective Action
Machine Tools	Good	
Kinematics Of Machinery	Good	
Fluid mechanics & Hydraulic Machinery	Need of more and effective hours of teaching.	Discussed and sorted out with the concerned faculty.
Introduction to CAD/CAM	Good.	
Fluid mechanics & Hydraulic Machinery Lab	Lab experiment have been completed and not getting the adequate results due to the rust in the system, in need of paintings.	Discussed and sorted out with the concerned technician.
Machine Tools Lab	Need the service for machines.	Discussed and sorted out with the concerned technician.
Soft Skills Lab	Good	
Professional Ethics & Human values	Good	

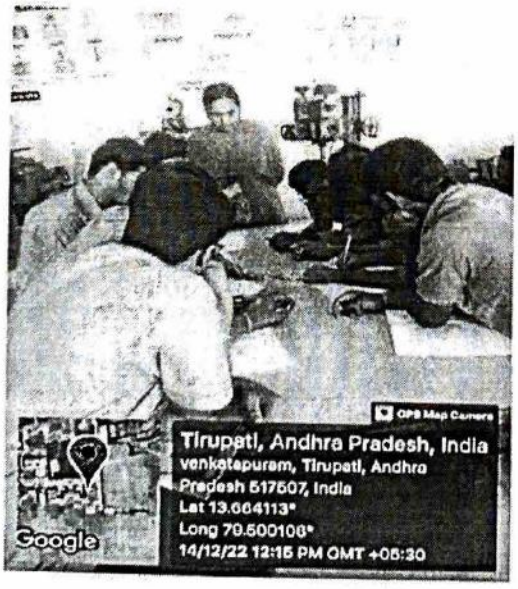
HEAD
DEPT. OF MECHANICAL ENGG
AITS.. TIRUPATI - 517 520

ii. Guiding the slow learners towards improvement: Discussion has been done for the improvement of the slow learners on the subjects Fluid Mechanics & hydraulic machinery.

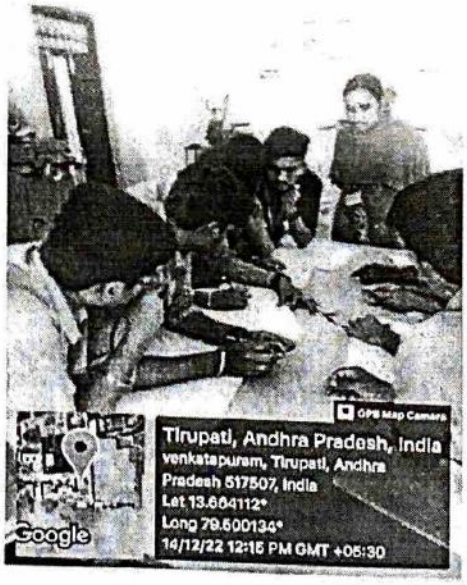
Name of the student	SL1	SL2	SL3	SL4	Topic covered
FL1 Bharath Kumar B (Leader)	Dheeraj V A	Harish S	Mahendra E	Leela chandu B	Concept of pelton turbine
Assignment Submission	YES	YES	YES	YES	
FL2 Nithin kumar (Leader)	Nivas T M	Harish T	Narsimha Mohith N	Kushal A	Concept of manometers
Assignment Submission	YES	YES	YES	YES	

NOTE: FL: Fast learner, SL: Slow Learner

Team A



Team B



M. Babu
HEAD
DEPT. OF MECHANICAL ENGG.
AITS., TIRUPATI - 517 520

iii. Unacceptable attitudes of the teachers

As per the students assessment there is no such unacceptable attitudes of the teachers.

iv.Maintenance related issues

S. No.	Problems Identified	Corrective Action
1.	In the class of Mechanical IIIYR A SEC dust bins are not available	Discussed with the engineer.
2.	Need proper curtains for windows because of this blackboard is not visible.	Discussed with the engineer.

v. Inadequacy of the tools and materials in laboratory.

S. No.	Problems Identified	Corrective Action
1.	In Fluid mechanics lab not getting the adequate results due to the rust in the system and in need of paintings.	Discussed and sorted out with the concerned lab technician.

As per the Meeting the overall and Miscellaneous Problems:

S.No	Problems Identified	Corrective Action
1.	In the class of Mechanical IIIYR A SEC dustbins are not available.	Discussed with the engineer.
2.	In Fluid mechanics lab not getting the adequate results due to the rust in the system and in need of paintings.	Discussed with the technician.
3.	Need of replacement of tables as the finishing harms the students due to nails out.	Discussed with the engineer.
4.	Need the service for machines.	Discussed and sorted out with the concerned lab technician.

Signature of Facilitator

Signature of Coordinator

HEAD
DEPT. OF MECHANICAL ENGG
AITS., TIRUPATI - 517 520

Signature of the Chairman, Steering Committee
(PRINCIPAL)

Assignment

S. Harish
URMKA0313

* Explain about pelton turbine and working principle

The pelton turbine is a tangential flow impulse turbine. The water strikes the buc-ket along the tangent of the runner. The energy available at the inlet of the turbine is only kinetic energy the pressure at the inlet and out-let of the turbine is atmospheric this turbine is used for high heads.

The water flow from the reservoir flows through the penstocks at the penstocks at the out-let of which a nozzle is fitted The nozzle increa-ses the kinetic energy of the water flowing thro-ugh the penstock At the outlet of the nozzle the water comes out in the form of a jet and strikes the buckets of the runner. The main parts of pleton turbine are

1. Nozzle and flow regulating arrangement
2. Runner and buckets
3. casing
4. Breaking jet

1. Nozzle and flow regulating arrangement:-

The amount of water striking the buckets of the runner is controlled by providing a spear in the nozzle as shown in figure The spear is a conical needle which is operated either by hand wheel or automati-cally in an axial direction depending on the size of unit when the spear is pushed forward into the nozzle the amount of water striking the runner is reduced. on the other hand if the spear is pushed back, the amount of water striking the runner increases

runner is reduced. on the other hand, if the spear is pushed back, the amount of water striking

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of Mechanical Engineering

Student Quality Circle: George Stephenson

Composition: III B. Tech Sec – B

S.NO.	Name	Designation in SQC
1.	S Praveena	Facilitator
2.	MUNI SREENIVASULU P	Leader
3.	T Nagaraj	Secretarial Assistant
4.	THARUN Y	Fast learner
5.	MANOJ E	Fast learner
6.	SAI KARTHEEK S	Slow learner
7.	SAI MAHESH P	Slow learner
8.	SAIKRISHNA D	Slow learner
9.	SHAMEER N	Slow learner
10.	TEJA T	Slow learner
11.	SHIVAJI L	Slow learner
12.	SATHVIK N	Slow learner
13.	VISHNU G	Slow learner

S. Praveena

Signature of the Facilitator

M. Balu

Signature of the Coordinator

HEAD
DEPT. OF MECHANICAL ENGG.
AITS., TIRUPATI-517 520.

Signature of the Chairman, Steering Committee

(PRINCIPAL)

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
MECHANICAL ENGINEERING (ME)
(Effective for the batches admitted in 2022-23)

Team George Stephenson

Student Quality Circle Meeting UG of Mechanical Engineering III year
Dated on 14 DEC 2022 at 3:30pm in Room no:AG01

Agenda for Student Quality Circle:

i. Issues pertaining teaching-learning system.
ii. Guiding the slow learners towards improvement
iii. Unacceptable attitudes of the teachers
iv. Maintenance related issues
v. Inadequacy of the tools and materials etc in labs.

Members of Student Quality Circle 'George Stephenson'

S.No	Name of the Person	Designation	Position
1	S. Praveena	Assistant Professor	Facilitator
2	P. Munisreenivasulu	Student	Leader
3	T. Nagaraju	Lab Technician	Secretarial Assistant
4	Y. Tharun	Student	Fast Learner
5	E. Manoj	Student	Fast Learner
6	S. Saikartheek	Student	Slow Learner
7	P. Sai Mahesh	Student	Slow Learner
8	D. Sai krishna	Student	Slow Learner
9	N. Shameer	Student	Slow Learner
10	T. Teja	Student	Slow Learner
11	L. Shivaji	Student	Slow Learner
12	N. Sathvik	Student	Slow Learner
13	G. Vishnu	Student	Slow Learner

HEAD
DEPT. OF MECHANICAL ENGG
AITS.. TIRUPATI - 517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
MECHANICAL ENGINEERING (ME)
(Effective for the batches admitted in 2022-23)

i. Subject Analysis and Issues pertaining teaching-learning system.

Subject Name	Problems Identified	Corrective Action
Machine tools	Good	
Kinematics of Machines	Good	
Fluid Mechanics & Hydraulic Machinery	Need of more and effective hours for teaching which have to reach all the student levels	Discussed and sorted with the concerned faculty.
Entrepreneurship Development	Good	
Introduction to CADCAM	Good	
Fluid Mechanics & Hydraulic Machinery lab	Need of more hours for lab and effective calculations for labs which have to reach all the student levels	Discussed and sorted with the concerned lab technician.
Machine Tools Lab	Need regular maintenance for machines	Discussed and sorted with the concerned lab technician.
Soft skills lab	Good	
Professional ethics and Human values	Good	

M. Babu
HEAD
DEPT. OF MECHANICAL EN...
AITS.., TIRUPATI - 517 52...

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
MECHANICAL ENGINEERING (ME)
(Effective for the batches admitted in 2022-23)

ii. ***Guiding the slow learners towards improvement: Discussion has been done for the improvement of the slow learners on the subjects Fluid Mechanics & Hydraulic Machinery***

Name of the student	SL1	SL2	SL3	SL4	Topic covered
FL1 Y. Tharun (Leader)	S. Saikartheek	P. Sai Mahesh	D. Sai krishna	N. Shameer	Concept of Power Plant System
Assignment Submission	YES	YES	YES	YES	
FL2 E.Manoj (Leader)	T. Teja	L. Shivaji	N. Sathvik	G. Vishnu	Concept of Power Plant System
Assignment Submission	YES	YES	YES	YES	

NOTE: FL: Fast learner, SL: Slow Learner

Team A

Team B

HEAD
DEPT. OF MECHANICAL ENGG
AITS.. TIRUPATI - 517

iii. *Unacceptable attitudes of the teachers*

As per the students assessment there is no such unacceptable attitudes of the teachers.

iv. *Maintenance related issues*

S. No.	Problems Identified	Corrective Action
1.	In the class of MECHANICAL IIIYR B SEC fans are not working properly.	Discussed with the Engineer.
2.	Need proper curtains for windows because of this blackboard is not visible.	Discussed with the Engineer.

v. *Inadequacy of the tools and materials in laboratory.*

S. No.	Problems Identified	Corrective Action
1.	Need of more hours for lab and effective calculations for labs which have to reach all the student levels	Discussed with the lab technician.

As per the Meeting the overall and Miscellaneous Problems:

S.No	Problems Identified	Corrective Action
1.	Need of more hours for lab and effective calculations for labs which have to reach all the student levels	Discussed with the concerned faculty and HOD.
2.	In the class of MECHANICAL IIIYR B SEC fans are not working properly.	Discussed with the Engineer.
3.	Need proper curtains for windows because of this blackboard is not visible.	Discussed with the Engineer.
4.	Kinematics of machinery, need of more and effective teaching which have to reach all the student levels.	Discussed and sorted with the concerned faculty.
5.	Machine Tools Lab, Need for the explanation of the operating and understanding the equipment.	Discussed and sorted with the concerned lab technician.

Signature of Facilitator

Signature of Coordinator

HEAD
DEPT. OF MECHANICAL ENGG
AITS., TIRUPATI - 517 520

Signature of the Chairman, Steering Committee
(PRINCIPAL)

T. Teja
20AK1A0346

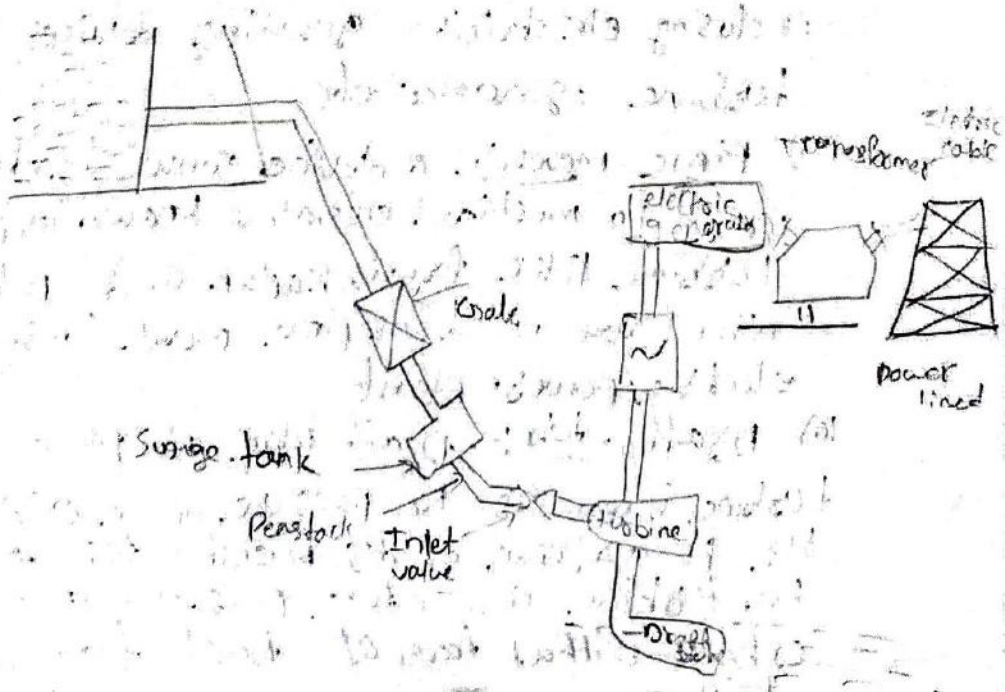
Explain about power plant system and working Elements of hydro electric power station - types. concept of pumped storage plats - storage requirements.

* Hydro electric power station (Introduction) :-
* Hydroelectric power station (hydropower) is convert the kinetic energy in flowing water into electrical energy
* falling or flowing a water shaft in an electric generat which produces electricity

Advantages :- 1. NO fuel requirements
2. No air pollution
3. can easily work during high peak daily loads
4. prevents flood

Disadvantages :- 1) Disruption the equatic ecosystems
2) Disruption of surrounding area
3) Requires large areas
4) Large scale human displacement

* Elements of hydro electric power station :-



S. SAI KARTHIK
20AK1A0331

3. EXPLAIN ABOUT POWER PLANT SYSTEM AND WORKING.

A. elements of hydro electric power station - types - concept of pumped storage plants - storage requirement.

HYDRO ELECTRIC POWER STATION

* hydro electric power station (hydro power) is convert the kinetic energy in flowing water into electrical energy.
* falling or flowing water turns a propeller like piece called a turbine
* the turbine turns a metal shaft in a electric generator which provides electricity

ADVANTAGES:

* NO fuel requirement
* NO air pollution
* can easily work during high peak daily loads
* prevents floods.

DISADVANTAGES

* disrupts the aquatic ecosystem
* disruption of surrounding areas
* requires large areas
* large scale human displacement.

elements of hydro electric power stations:

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES::TIRUPATI
(AUTONOMOUS)

Date: 19-11-202

Quality Circle Meeting

Agenda :

1. Any equipment is associated with operational flaws in the laboratorie Concerned – fault finding solutions for the problems encountered in th lab equipments.
2. Identifying the critical topics not followed by slow learners.
3. Assignment of fast learners to slow learners to guide them and tim schedule given for teaching by fast learner to slow learners and fo assignment submission by slow learners.
4. Discussion on transparency issues if any in the internal lab assessment and CIE assessments.

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(AUTONOMOUS)

Department of Civil Engineering

Student Quality Circle: Vishwakarma

Composition: II B.Tech A Section

S.NO.	Name	Designation in SQC
1.	K Sunnavalli	Facilitator
2.	B Pavan Kumar	Leader
3.	B Ravi Sankar	Secretarial Assistant
4.	K Akshaya	Fast learner
5.	L Lokesh Reddy	Fast learner
6.	V Dinesh Kumar	Slow learner
7.	P Hemasri Sai Varma	Slow learner
8.	K Sujit Kumar	Slow learner
9.	T Sagar	Slow learner
10.	C Hemanth	Slow learner
11.	G Vishal	Slow learner
12.	Shaik Fayaz	Slow learner
13.	C Venu	Slow learner

Signature of the Facilitator

Signature of the Coordinator

Signature of the Chairman, Steering Committee

(PRINCIPAL)

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RENIGUNTA (M), TIRUPA

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of CIVIL ENGINEERING

Student Quality Circle: Vardhaman

Composition: II B.Tech B Section

S.NO.	Name	Designation in SQC
1.	P.Dhanabal	Facilitator
2.	Wasim Akram	Leader
3.	E. Chandra Chari	Secretarial Assistant
4.	A. Praveen Kumar	Fast learner
5.	B. Naveen Kumar	Fast learner
6.	S. Sowjanya	Slow learner
7.	K. Renuga Devi	Slow learner
8.	C. Harshini	Slow learner
9.	G. Deedipya	Slow learner
10.	P. Rupesh	Slow learner
11.	K. Raja rajeswari	Slow learner
12.	R. Pavni Bai	Slow learner
13.	S. Omkar	Slow learner

Signature of the Facilitator

Signature of the Coordinator

Signature of the Chairman, Steering Committee

(PRINCIPAL)

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(AUTONOMOUS)

Department of CIVIL ENGINEERING

Student Quality Circle: Bageeratha

Composition: III B.Tech A Section

S.NO.	Name	Designation in SQC
1.	P.Narendra Reddy	Facilitator
2.	K.U.Ajay Kumar	Leader
3.	E.Chandra Chari-Secretarial Assistant	Secretarial Assistant
4.	S.Mohammad Rafi	Fast learner
5.	M.Gnana Priya	Fast learner
6.	B.Bhogesh	Slow learner
7.	C.Karthik	Slow learner
8.	B.Babu Reddy	Slow learner
9.	N.Dinesh	Slow learner
10.	V.Chinmaya	Slow learner
11.	Chakradhar Reddy	Slow learner
12.	G.Naveen	Slow learner
13.	C Masthan	Slow learner

Signature of the Facilitator

Signature of the Coordinator

Signature of the Chairman, Steering Committee

(PRINCIPAL)

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RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of Civil Engineering

Student Quality Circle: Agasthya

Composition: III B.Tech B Section

S.NO.	Name	Designation in SQC
1.	**Meenu Sri Priya**	Facilitator
2.	J Rama Krishna	Leader
3.	B Ravi Sankar	Secretarial Assistant
4.	B Vinay Kumar	Fast learner
5.	G Reddy Thanuja	Fast learner
6.	R Ramana Naik	Slow learner
7.	N Sai Ram	Slow learner
8.	Y Vamsi	Slow learner
9.	M John Moses	Slow learner
10.	E Venkata Dinesh	Slow learner
11.	K Sai Bhavan	Slow learner
12.	T Praveen Kumar	Slow learner
13.	N Siddeswar	Slow learner

Signature of the Facilitator

Signature of the Coordinator

Signature of the Chairman, Steering Committee

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of Civil Engineering

Student Quality Circle: Sir MV

Composition: III B.Tech C Section

S.NO.	Name	Designation in SQC
1.	E Narasimhulu	Facilitator
2.	K Lalusab	Leader
3.	E Chandrachari	Secretarial Assistant
4.	P Chandana	Fast learner
5.	O Bhavani	Fast learner
6.	M Madhuritha	Slow learner
7.	G Gunasai	Slow learner
8.	P Lahiri sai teja	Slow learner
9.	P Bhakti Krishna	Slow learner
10.	T S Girish	Slow learner
11.	C Prashant	Slow learner
12.	G Sai Pradeep	Slow learner
13.	B Sai Mallik	Slow learner

Signature of the Facilitator

Signature of the Coordinator

Signature of the Chairman, Steering Committee

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VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Course structure for Four Year Regular B.Tech. Degree Program
CIVIL ENGINEERING (CE)
(Effective for the batches admitted in 2022-23)

Team Viswakarma

Student Quality Circle Meeting UG of CIVIL Engineering II year
Dated on 22 NOV 2022 at 3:30pm in Room no:AG04

Agenda for Student Quality Circle Meeting:

i. Issues pertaining teaching-learning system.
ii. Guiding the slow learners towards improvement
iii. Unacceptable attitudes of the teachers
iv. Maintenance related issues
v. Inadequacy of the tools and materials etc in labs.

Members of Student Quality Circle 'Viswakarma'

S.No	Name of the Person	Designation	Position	Signature
1	K Sumavalli	Assistant Professor	Facilitator	
2	B Pavan Kumar	Student	Leader	
3	B Ravi Shankar	Lab Technician	Secretarial Assistant	
4	K Akshaya	Student	Fast Learner	
5	L Lokesh Reddy	Student	Fast Learner	
6	V Dinesh Kumar	Student	Slow Learner	
7	P Hema Sri Sai Varma	Student	Slow Learner	
8	K Sujit Kumar	Student	Slow Learner	
9	T Sagar	Student	Slow Learner	
10	C Hemanth	Student	Slow Learner	
11	G Vishal	Student	Slow Learner	
12	K Uday Aditya	Student	Slow Learner	
13	C Venu	Student	Slow Learner	

i. *Subject Analysis and Issues pertaining teaching-learning system.*

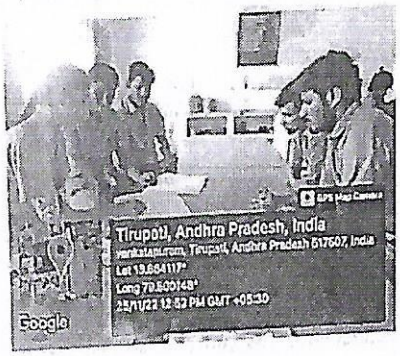
Subject Name	Problems Identified	Corrective Action
Fluid Mechanics	Good	
Survey	Good	
Probability and Statics	Need of more and effective teaching which have to reach all the student levels.	Discussed and sorted out with the concerned faculty.
Mechanics of Materials	Good	
Environmental Science	Good	
Strength of Material Lab	Need for the explanation of the operating and understanding the equipment.	Discussed and sorted out with the concerned faculty.
Fluid Mechanics Lab	Till now only one lab experiment have been completed and not getting the adequate results due to the rust in the system, in need of paintings.	Discussed and sorted out with the concerned faculty. Discussed with the Engineer.
Survey Field Work	Need of Survey field work lab in a vast area for effective learning.	Discussed and sorted out with the concerned faculty.
CAD LAB	Need to be on regular. Only the commands have been completed.	Discussed and sorted out with the concerned faculty.

ii. *Guiding the slow learners towards improvement: Discussion has been done for the improvement of the slow learners on the subjects Fluid Mechanics & Probability and Statistics.*

Name of the students	*SL1*	*SL2*	*SL3*	*SL4*	*SL5*	*Topic covered*
FL1 Akshaya (Leader)	V Dinesh Kumar	P Hema Sri Sai Varma	B Pavan Kumar	K Uday Aditya	—	Hydrostat c law (or) Variation of pressure
Assignment Submission	YES	YES	YES	YES	—	
FL2 Lokesh Reddy(Leader)	K Sujit Kumar	T Sagar	C Hemanth	G Vishal	C Venu	Variation of the binomial distribution
Assignment Submission	YES	YES	YES	YES	YES	

NOTE: FL: Fast learner, SL: Slow Learner

Hydrostatic law (or) Variation of pressure



Variation of the binomial distribution

iii. *Unacceptable attitudes of the teachers*

As per the students assessment there is no such unacceptable attitudes of the teachers.

iv. *Maintenance related issues*

S. No.	Problems Identified	Corrective Action
1.	In the class of CIVIL IIYR A SEC fans are not working properly.	Discussed with the Engineer.
2.	Need of replacement of tables as the finishing harms the students due to nails out.	Discussed with the Engineer.

v. *Inadequacy of the tools and materials in laboratory.*

S. No.	Problems Identified	Corrective Action
1.	In Fluid mechanics lab not getting the adequate results due to the rust in the system and in need of paintings.	Discussed with the Engineer.

As per the Meeting the overall and Miscellaneous Problems:

S.No	Problems Identified	Corrective Action
1.	Some students from long distance; Koduru and Kalahasthy were facing Attendance loss due to traveling.	
2.	Need of Survey field work lab in a vast area for effective learning.	Discussed and sorted out with the concerned faculty.
3.	In Fluid mechanics lab not getting the adequate results due to the rust in the system and in need of paintings.	Discussed with the Engineer.
4.	In the class of CIVIL IIYR A SEC fans are not working properly.	Discussed with the Engineer.
5.	Need of replacement of tables as the finishing harms the students due to nails out.	Discussed with the Engineer.
6.	Probability and Statics need of more and effective teaching which have to reach all the student levels.	Discussed and sorted out with the concerned faculty.
7.	Strength of Material Lab, Need for the explanation of the operating and understanding the equipment.	Discussed and sorted out with the concerned faculty.
8.	CAD LAB, Need to be on regular. Only the commands have been completed.	Discussed and sorted out with the concerned faculty.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
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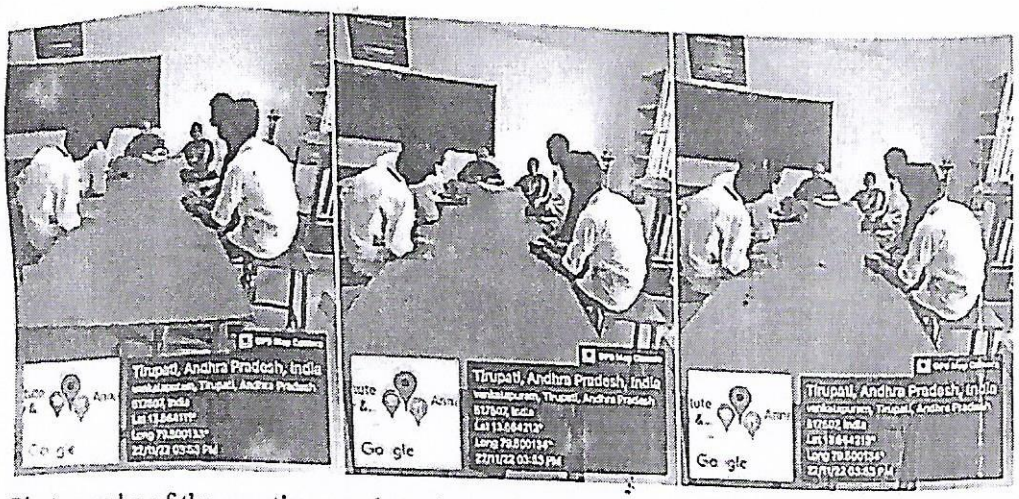
(Effective for the batches admitted in 2022-23)



Photographs of the meeting conducted with the Viswakarma Team.

Signature of Facilitator

Signature of Coordinator

HEAD
Dept. of Civil Engg.
AITS, Tirupati-517 520

Signature of the Chairman, Steering Committee
(PRINCIPAL)

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VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

2.2.1 - ECE - File No.2

Annamacharya Institute of Technology and Sciences, Tirupati
Department of Electronics and Communication Engineering

Students Quality Circle
(SQC)
Team Fourier

Jean-Baptiste Joseph Fourier
(21 March 1768 – 16 May 1830)
French mathematician and physicist

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES::TIRUPATI
(AUTONOMOUS)

Date: 19-11-2022

Quality Circle Meeting

Agenda :

1. Any equipment is associated with operational flaws in the laboratories Concerned – fault finding solutions for the problems encountered in the lab equipments.
2. Identifying the critical topics not followed by slow learners.
3. Assignment of fast learners to slow learners to guide them and time schedule given for teaching by fast learner to slow learners and for assignment submission by slow learners.
4. Discussion on transparency issues if any in the internal lab assessments and CIE assessments.

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RENIGUNTA (M), TIRUPATI-517 520

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Department of Electronics and communication Engineering
Student Quality Circle (SQC)
Team Fourier

Composition: II Year ECE-2

S.No	Name of the Person	Designation	Position
1	Dr.I.Suneetha	Professor	Facilitator
2	B.Poojitha	Student	Leader
3	A.Vimala Rani	Lab Technician	Secretarial Assistant
4	D.Nandini	Student	Fast Learner
5	K.Nandhini	Student	Fast Learner
6	K.Lokesh	Student	Slow Learner
7	G.Manoj Kumar	Student	Slow Learner
8	T.Mohith Reddy	Student	Slow Learner
9	K.Muni Charan	Student	Slow Learner
10	M.Parasuramudu	Student	Slow Learner
11	K.Pavan Kumar	Student	Slow Learner
12	B.Priya	Student	Slow Learner
13	K.Sampath Kumar	Student	Slow Learner
14	K.Shabrin	Student	Slow Learner

Signature of the Facilitator

Professor
Dept. of Electronics & Communication Engg
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES, TIRUPATI-517 520

HEAD
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Technology & Sciences, TIRUPATI-517 520

Signature of the Coordinator

HEAD
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Technology & Sciences, TIRUPATI-517 520

Signature of the Chairman, Steering Committee (PRINCIPAL)

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VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Electronics and Communication Engineering (ECE)

Team Fourier

Student Quality Circle (SQC) Meeting
UG of Electronics and Communication Engineering II Year Section-2
Dated on 2 December 2022 at 11:30 AM in Room No: C 110

Agenda for Student Quality Circle:

1. Issues pertaining Teaching-Learning system.
2. Guiding the Slow Learners towards improvement
3. Unacceptable attitudes of the Teachers
4. Maintenance related issues
5. Inadequacy of the equipment in labs.

Members of Student Quality Circle (SQC) 'Fourier'

S.No	Name of the Person	Designation	Position	Signature
1	Dr.I.Suneetha	Professor	Facilitator	I.Suneetha
2	B.Poojitha	Student	Leader	B. Poojitha
3	A.Vimala Rani	Lab Technician	Secretarial Assistant	A.Vimala Rani
4	D.Nandini	Student	Fast Learner	D.Nandini
5	K.Nandhini	Student	Fast Learner	Nandhini.K
6	K.Lokesh	Student	Slow Learner	K. Lokesh 14/12/22
7	G.Manoj Kumar	Student	Slow Learner	G.Manoj kumar
8	T.Mohith Reddy	Student	Slow Learner	T.Mohith Reddy
9	K.Muni Charan	Student	Slow Learner	K.Municharan
10	M.Parasuramudu	Student	Slow Learner	M Parasuram
11	K.Pavan Kumar	Student	Slow Learner	K.Pavan kumar
12	B.Priya	Student	Slow Learner	B.Priya
13	K.Sampath Kumar	Student	Slow Learner	K. Sampath Kumar
14	K.Shabrin	Student	Slow Learner	K.Shabrin.

N. Rushyabalaji
HEAD
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Technology & Sciences, TIRUPATI-517 520

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Electronics and Communication Engineering (ECE)

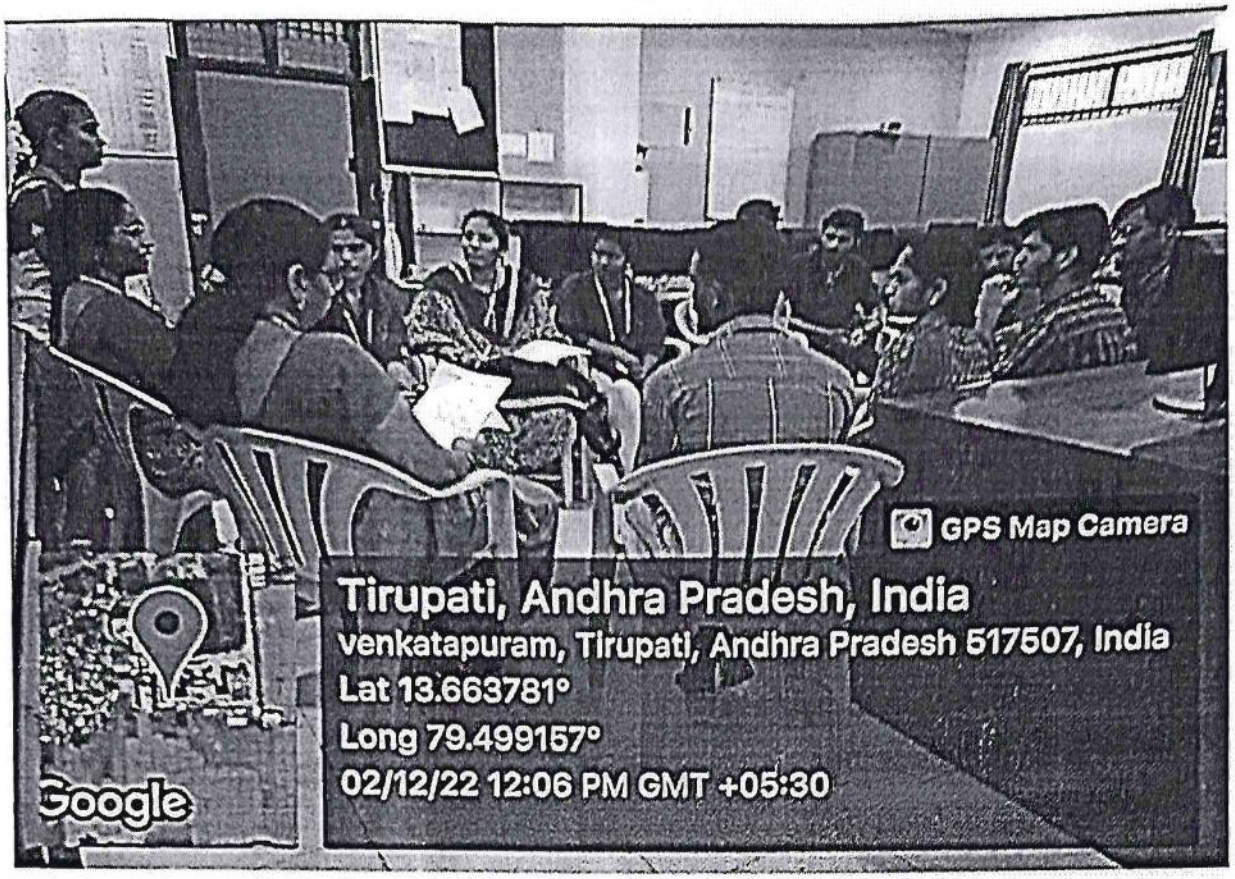
1. Subject Analysis and Issues pertainingTeaching-Learning system

Subject Name	Problems Identified	Corrective Action
Transform Techniques and Complex Variables(TTCV)	Good	-
Electronic Devices and Circuits(EDC)	Good	-
Switching Theory and Logic Design(STLD)	Good	-
Signals and Systems(SS)	God	-
Managerial Economics and Financial Analysis(MEFA)	Good	-
Electronic Devices and Circuits(EDC) Lab	Few Ammeters and Voltmeters are not working properly.	Discussed and to be sorted out with EDC Lab Custodian.
Signals and Systems(SS) Lab	Good	-
Switching Theory and Logic Design(STLD) Lab	Good	-
Electronic Circuit Design	Good	-
Biology for Engineers	Good	-

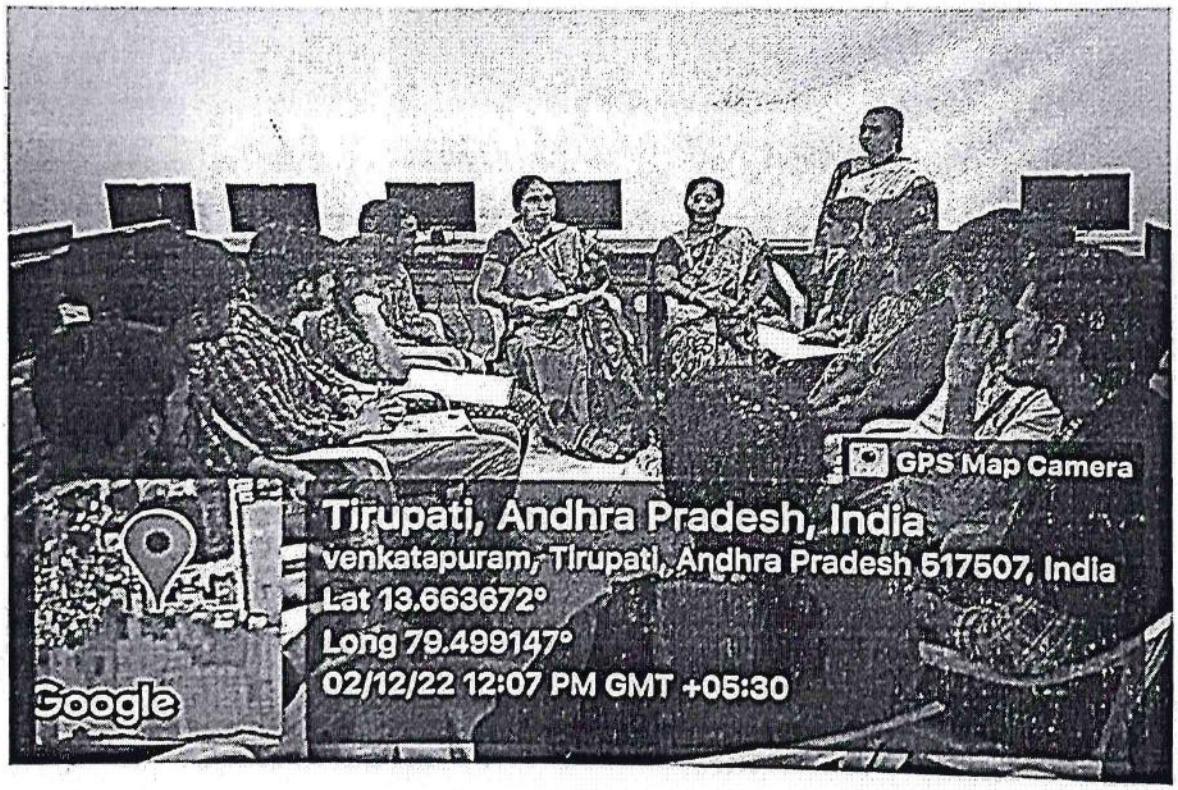
2.Guiding the slow learners towards improvement: Discussion has been done for the improvement of the slow learners on the subject: Electronic Devices and Circuits (EDC)

Fast Learners	Slow Learners	Topic Covered	Assignment Submission
Team A B.Poojitha	K.Lokesh	Half Wave Rectifier (HWR)	Yes
	G.Manoj Kumar		Yes
	T.Mohith Reddy		Yes
Team B D.Nandini	K.MuniCharan	Full Wave Rectifier (FWR)	Yes
	M.Parasuramudu		Yes
	K.Pavan Kumar		Yes
Team C K.Nandhini	B.Priya	Full Wave Bridge Rectifier (FWBR)	Yes
	K.Sampath Kumar		Yes
	K.Shabrin		Yes

N. Rushpalatha
HEAD
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Technology & Sciences, TIRUPATI-517 520



Dr.N.Pushpalatha, HOD-ECE addressing Fourier Student Quality Circle Team



Dr.I.Suneetha, Professor& Facilitator guiding Fast Learners to explain Slow Learners

N. Pushpalatha
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Tech & Sciences, TIRUPATI-517 520

Team A: Half Wave Rectifier (HWR)

Team B: Full Wave Rectifier (FWR)

Team C: Full Wave Bridge Rectifier (FWBR)

N. Rushyendra Babu
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Tirupati-517 520

3. Unacceptable attitudes of the Teachers

As per the students assessment there is no such unacceptable attitudes of the Teachers.

4. Maintenance related issues

S. No.	Problems Identified	Corrective Action
1.	Few Voltmeters, Ammeters and Regulated Power Supplies need to be serviced.	Discussed and to be sorted out with EDC Lab Custodian

5 . Inadequacy of the tools and materials in laboratory.

S. No.	Problems Identified	Corrective Action
1.	Need LCD projector for C 204	Discussed and to be sorted out with HOD-ECE

As per the Meeting the overall and Miscellaneous Problems:

S. No	Problems Identified	Corrective Action
1.	Few Ammeters and Voltmeters are not working properly in Electronic Devices and Circuits(EDC) Lab	Discussed and sorted out with EDC Lab Custodian and HOD-ECE
2.	Few Voltmeters, Ammeters and Regulated Power Supplies need to be serviced in Electronic Devices and Circuits(EDC) Lab	Discussed and sorted out with EDC Lab Custodian and HOD-ECE
3.	Need LCD projector for C 204	Discussed and to be sorted out with HOD-ECE

2/12/2022

Signature of Facilitator
Professor
Dept. of Electronics & Communication Engg.
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES, TIRUPATI-517 520

2/12/2022

Signature of Coordinator
Dept. of Electronics & Communication Engg
Annamacharya Institute of
Technology & Sciences, TIRUPATI-517 520

Signature of the Chairman, Steering Committee
(PRINCIPAL)
PRINCIPAL
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
VENKATAPURAM (VIII.)
RENIGUNTA (M), TIRUPATI-517 520

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(AUTONOMOUS)
Venkatapuram (V), Karakambadi (P), Renigunta (M), Tirupati -517 520.
Chittoor Dist., Andhra Pradesh.

Nyquist Quality Circle (III Year EEE)

NyquistQuality circle (NQC) is formed with the following members for Third year EEE students. This Quality circle is a voluntary group of students from each class who choose areas that need improvement and find simple and practical solutions to solve those. Members of this quality circle shall meet at regular intervals to solve the student's related problems and attend to small and solvable problems and help create the awareness on the importance of maintaining and sustaining quality in all areas and the drives home the relevance of student participation. The primary objectives of NQC shall be:

i) **Identify Issues pertaining teaching-learning system** as like improper handling of class by teachers, unacceptable attitudes of the teachers, violation of code of conduct by the teachers, by the students also, maintenance related issues, Inadequacy of the tools and materials etc in labs.
ii) Guiding the slow learners towards improvement: The fast learners are to get connected to slow learners forupliftment and to give adequate push in the academic.

Furthermore, the NQC is expected to:

- Contribute to the development and improvement of the academic culture and the improvement of the Department.
- Create cheerful learning atmosphere that make life worthwhile and where all individuals are respected.
- Display human capabilities fully and eventually draw out limitless potentials.
- This Quality circle is expected meet regularly once/twice in a week, to discuss about the class-related issues only and works as a suggestive system to the Department.
- Also, it is expected that after every meeting all documentary evidences along with the minutes of the meetings shall be submitted to Head of the Department for further perusal.

S. No	Name of the BQC member	Position in NQC	Designation / Roll number
1	Mr. S. PAUL CLEMENT	Faculty Co-ordinator	Assistant Professor
2	G.MUKUNDA	Group leader	20AK1A0215
3	J.RAVI KISHORE REDDY	Advanced learner	20AK1A0220
4	M.SAI SANKAR		21AK5A0216
5	C. HARSHA VARDHAN	Struggled learner	20AK1A0207
6	G. HEMANTH		20AK1A0209
7	V. RAVIKUMAR		20AK1A0221
8	K. RUPESH		20AK1A0223
9	R.S. TULASI RAM		20AK1A0232
10	K. VAMSI SREENIVAS		20AK1A0233
11	G.S. VIJAYA LAKSHMI		20AK1A0238
12	M. CHANDRIKA		21AK5A0204
13	Mr. R. SUBBURAJU	Ministerial Staff	Lab technician

Head of the Department

HEAD
Dept. of Electrical & Electronics Engg
Annamacharya Institute of Technology & Sciences
TIRUPATI - 517 507

Principal

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RENIGUNTA (M), TIRUPATI-517 520

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1. IQAC
2. PA to Principal
3. Circulated to all members.

Annamacharya Institute of Technology and Sciences, Tirupati
(Autonomous)
Department of Electrical & Electronics Engineering

Nyquist Quality Circle Meeting-1

Minutes of the Nyquist Quality circle meeting held on 06-12-2022 at 1:20 pm in Electrical Machines-1 Laboratory.

Agenda:

1. Any equipment is associated with operational flaws in the laboratories concerned – fault finding solutions for the problems encountered in the lab equipments.

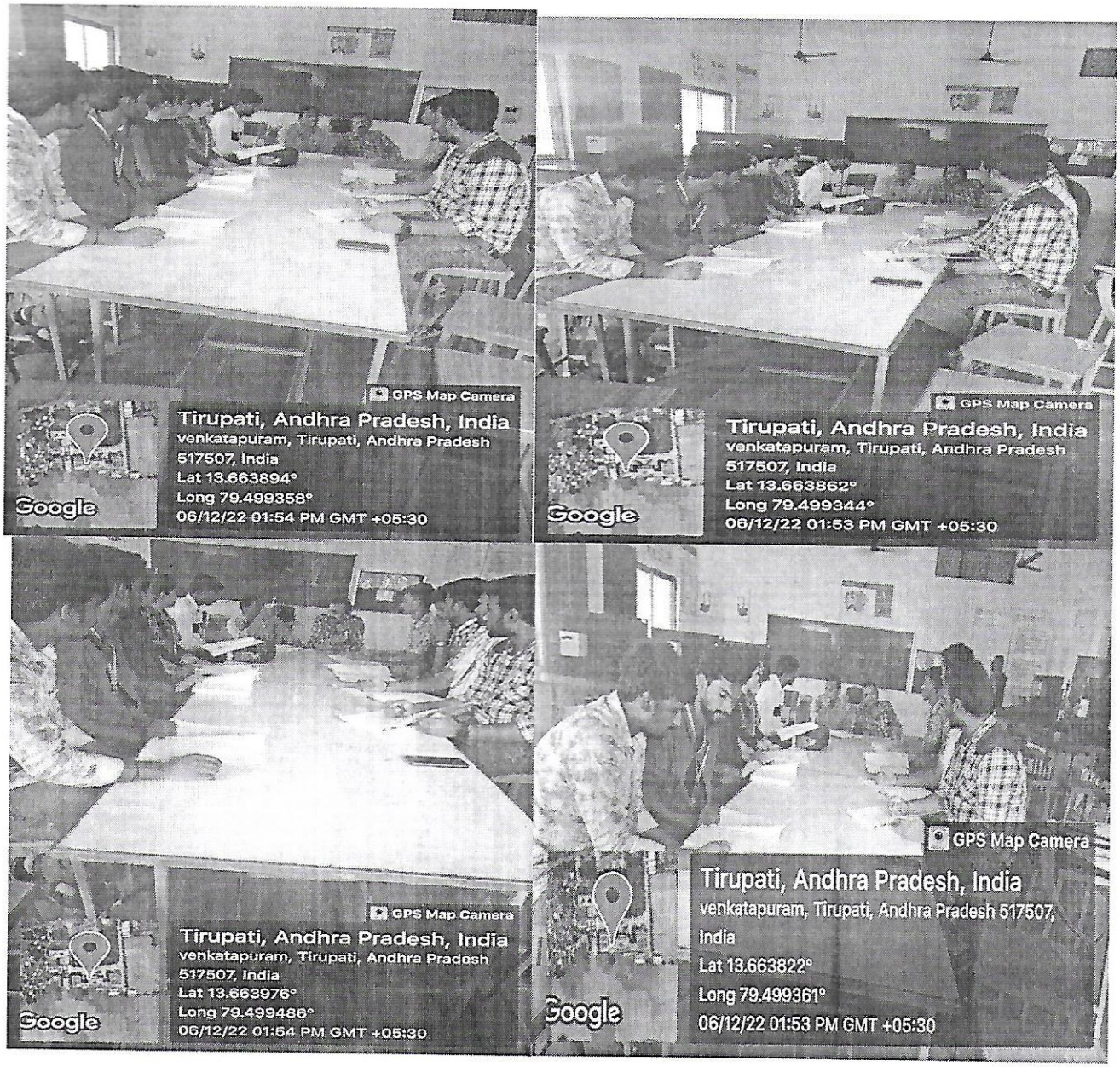
2. Identifying the critical topics not followed by slow learners.

3. Assignment of fast learners to slow learners to guide them and time schedule given for teaching by fast learner to slow learners and for assignment submission by slow learners.

4. Discussion on transparency issues if any in the internal lab assessments and CIE assessments.

Members present:

S.NO	Name of the NQC Member	Position in NQC	Designation/Roll number	Signature
1.	S. PAUL CLEMENT	Faculty Coordinator	Assistant professor	
2.	G. MUKUNDA	Group Leader	20AK1A0215	
3.	J. RAVI KISHORE REDDY	Advanced Learner	20AK1A0220	
4.	M. SAI SANKAR		20AK5A0216	
5.	C.HARSHA VARDHAN	Struggled Learners	20AK1A0207	
6.	G. HEMANTH		20AK1A0209	
7.	V. RAVI KUMAR		20AK1A0221	
8.	K. RUPESH		20AK1A0223	
9.	R.S. TULASI RAM		20AK1A0232	
10.	K. VAMSI SREENIVAS		20AK1A0233	
11.	G.S. VIJAYA LAKSHMI		20AK1A0238	
12.	M. CHANDRIKA		20AK5A0204	
13.	MR. R. SUBBARAJU	Ministerial Staff	Lab Technician	



MINUTES:

Faculty Co-ordinator Mr. S. Paul Clement welcome the members.

1.No difficulties in laboratories.

2. Critical Topics identified by slow learners.

Electrical Machines-III:

1. Derivative Part in the concept of Brushless Motors& Brushless Synchronous motor.

Power Systems -II:

1. ABCD Parameters of Long Transmission Line by using rigorous method

Power Electronics:

1.AC-DC Converters output voltage and current at load Derivation

Control Systems:

1.Signal Flow Graphs

2.R-H Criteria

TEAMS:

Team 1	Team 2	Team 3
20AK1A0215	20AK5A0216	20AK1A0220
20AK1A0207	20AK5A0204	20AK1A0223
20AK1A0209	20AK1A0232	20AK1A0221
20AK1A0238	20AK1A0233	

Action Plan:

1.We will plan to provide materials & online resources &web links to students.

2.We will plan to conduct revision classes for

- R-H Criteria on 12-12-2022 by Mr. S. Paul Clement

3. We will plan to practice the concept "ABCD Parameters of Long Transmission Line by using rigorous method".

4.We will plan to practice the concept "Brushless Motors& Brushless Synchronous motor".

5.We will plan to practice the concept "AC-DC Converters output voltage and current at load"

Signature of Facilitator

Signature of Coordinator

Signature of the Chairman, Steering Committee

(Principal)

PRINCIPAL
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

Annamacharya Institute of Technology and Sciences, Tirupati
(Autonomous)
Department of Electrical & Electronics Engineering

Nyquist Quality Circle Meeting-2

Minutes of the Nyquist Quality circle meeting held on 12-01-2023 at 12:30 pm in Electrical Machines-1 Laboratory.

Agenda:

1. Any equipment is associated with operational flaws in the laboratories concerned – fault finding solutions for the problems encountered in the lab equipments.

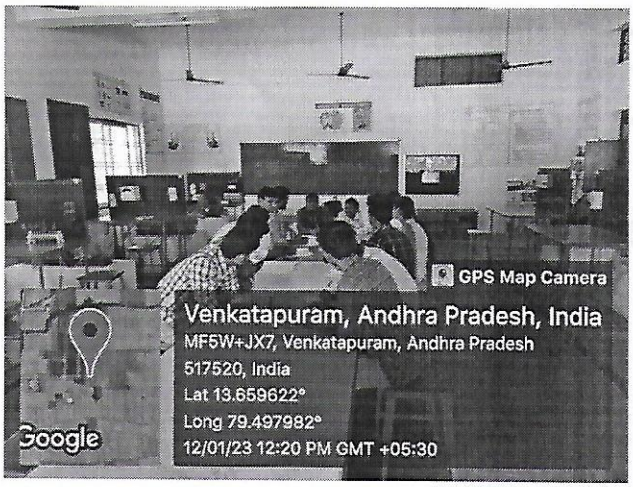
2. Identifying the critical topics not followed by slow learners.

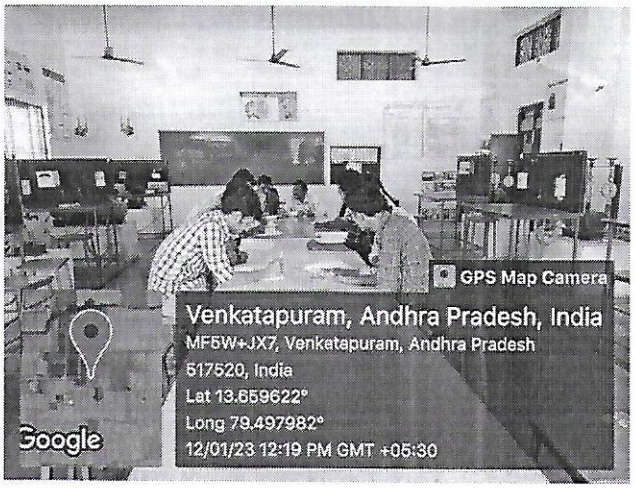
3. Assignment of fast learners to slow learners to guide them and time schedule given for teaching by fast learner to slow learners and for assignment submission by slow learners.

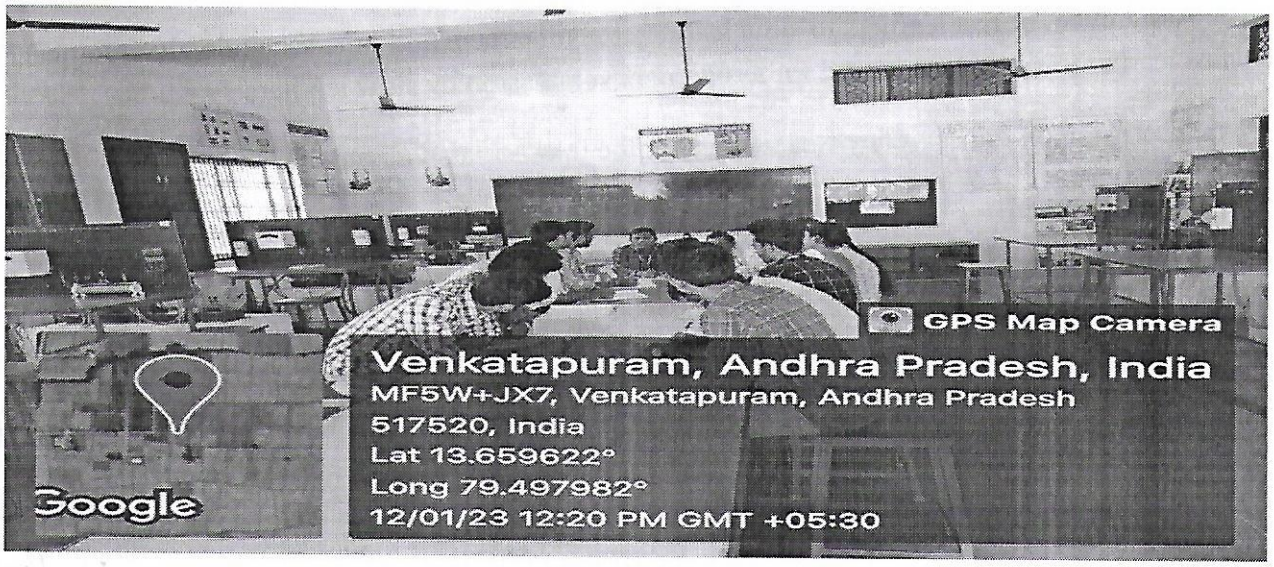
4. Discussion on transparency issues if any in the internal lab assessments and CIE assessments.

Members present:

S.NO	Name of the NQC Member	Position in NQC	Designation/Roll number	Signature
1.	S. PAUL CLEMENT	Faculty Coordinator	Assistant professor	
2.	G. MUKUNDA	Group Leader	20AK1A0215	
3.	J. RAVI KISHORE REDDY	Advanced Learner	20AK1A0220	
4.	M. SAI SANKAR		20AK5A0216	
5.	C.HARSHA VARDHAN	Struggled Learners	20AK1A0207	
6.	G. HEMANTH		20AK1A0209	
7.	V. RAVI KUMAR		20AK1A0221	
8.	K. RUPESH		20AK1A0223	
9.	R.S. TULASI RAM		20AK1A0232	
10.	K. VAMSI SREENIVAS		20AK1A0233	
11.	G.S. VIJAYA LAKSHMI		20AK1A0238	
12.	M. CHANDRIKA		20AK5A0204	
13.	MR. R. SUBBARAJU	Ministerial Staff	Lab Technician	







MINUTES:

Faculty Co-ordinator Mr. S. Paul Clement welcome the members.

1.No difficulties in laboratories.

2. Critical Topics identified by slow learners.

Power Systems -II:

1. Concept of Corona effect

Control Systems:

1. Concept of Bode and Polar plot analysis

TEAMS:

Team 1	Team 2	Team 3
20AK1A0215	20AK5A0216	20AK1A0220
20AK1A0207	20AK5A0204	20AK1A0223
20AK1A0209	20AK1A0232	20AK1A0221
20AK1A0238	20AK1A0233	

Action Plan:

1. We will plan to provide materials & online resources &web links to students.
2. We will plan to practice the "Concept of Corona effect".
4. We will plan to practice the "Concept of Bode and Polar plot analysis".

Signature of Facilitator

Signature of Coordinator

Signature of the Chairman, Steering Committee

(Principal)

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VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

Student Quality Circle (SQC):

1. Quality circle is a group of people connected to the work, meets regularly once/twice in a week, to discuss about the work related issues only and works as a suggestive system to the supervisors.
2. Any problem connected to the quality improvement, will be discussed weekly by the student quality circle, documentary evidences along with the minutes of the meetings shall be submitted to the concerned authority say, Head of the Department.
3. General Composition of SQC shall contain a Coordinator (HOD/ Senior faculty member), a facilitator (Any one of the teacher/Class teacher), Group leader from student achievers, secretarial assistants from the nonteaching staff (1/2 members), few advanced learners (2-3 members) and struggled learners (7-8 members)
4. A few objectives for Student Quality Circle suggested are:

   i) Issues pertaining teaching-learning system:

   Improper handling of class by teachers, unacceptable attitudes of the teachers, violation of code of conduct by the teachers, by the students also, maintenance related issues, Inadequacy of the tools and materials etc in labs.

   ii) Guiding the slow learners towards improvement:

   In such cases, a fast learner (one or two) will be connected to 7-8 slow learners for upliftment and to give adequate push in the academic.
5. Agenda for SQC meeting can be based on the above objectives.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Humanities and Basic Sciences (HBS)
(Effective for the batches admitted in 2022-23)

Team Mendeleev

Student Quality Circle Meeting UG of Humanities and Basic Sciences I year

Dated on 02 FEB 2023 at 12.50pm in Room no:A 410

Agenda for Student Quality Circle:

i. Issues pertaining teaching-learning system.
ii. Guiding the slow learners towards improvement
iii. Unacceptable attitudes of the teachers
iv. Maintenance related issues
v. Inadequacy of the tools and materials etc in labs.

Members of Student Quality Circle 'Mendeleev'

S.No	Name of the Person	Designation	Position	Signature
1	Mrs. P Poornima	Assistant Professor	Facilitator	
2	22AK1A05C5	Student	Leader	Y. Sai Chandrika
3	S. Devi	Lab Attender	Secretarial Assistant	S. Devi
4	22AK1A05H4	Student	Fast Learner	P. V. Mohan Reddy
5	22AK1A05H8	Student	Fast Learner	T. Vishnu Priya
6	22AK1A05G9	Student	Slow Learner	B. Veerendra
7	22AK1A05G1	Student	Slow Learner	Tirumala reddy
8	22AK1A05E3	Student	Slow Learner	Sree Lakshmi
9	22AK1A05C9	Student	Slow Learner	Sai yasaswini
10	22AK1A05I0	Student	Slow Learner	B. Yasmin
11	22AK1A05I9	Student	Slow Learner	Nithesh.
12	22AK1A05J1	Student	Slow Learner	Syama Sai

i. Subject Analysis and Issues pertaining teaching-learning system.

Subject Name	Problems Identified	Corrective Action
Algebra and Calculus	Nil	
Chemistry	Nil	
Problem solving and programming	Nil	
Information Technology	Nil	
Numerical Methods	Syllabus incompletion	Discussed the same with faculty of NM and asked to complete the syllabus as per the lesson plan by taking additional classes.
Engineering Graphics	Nil	
Chemistry Lab	Nil	
Problem solving and programming Lab	Nil	
Information Technology Lab	Nil	
Engineering Graphics Lab	Nil	

ii. **Guiding the slow learners towards improvement:** Discussion has been done for the improvement of the slow learners on the subjects Algebra and Calculus & Chemistry.

Name of the Team	Position	Course- Chemistry, Algebra and calculus Topic Covered	Assignment Submission
Team A			
Sai Chandrika Y (Leader)	Leader (Fast learner)		
Veerendra	Slow learner	1.Pointers and Arrays (Problem Solving & Programming) 2.Parameter Passing Techniques (Problem Solving & Programming) 1.Find a positive root of x^4-x-9=0 by using Newton's raphson method (Numerical Methods)	YES
Sree Krishna Satheesh C	Slow learner	1.Pointers and Arrays (Problem Solving & Programming) 2.Parameter Passing Techniques (Problem Solving & Programming) 1.Find a positive root of x^4-x-9=0 by using Newton's raphson method (Numerical Methods)	YES
Tirumala Reddy Y	Slow learner	1.Pointers and Arrays (Problem Solving & Programming) 2.Parameter Passing Techniques (Problem Solving & Programming) 1.Find a positive root of x^4-x-9=0	YES

		by using Newton's raphson method (Numerical Methods)	
Team B			
Venkata Mohan Reddy P (Leader)	Leader (Fast learner)		
B Yasmin	Slow learner	1.Pointers and Arrays (Problem Solving & Programming) 2.Parameter Passing Techniques (Problem Solving & Programming) 1.Find a positive root of x^4-x-9=0 by using Newton's raphson method (Numerical Methods)	YES
Nithesh	Slow learner	1.Pointers and Arrays (Problem Solving & Programming) 2.Parameter Passing Techniques (Problem Solving & Programming) 1.Find a positive root of x^4-x-9=0 by using Newton's raphson method (Numerical Methods)	YES
Sai Yasaswini T	Slow learner	1.Pointers and Arrays (Problem Solving & Programming) 2.Parameter Passing Techniques (Problem Solving & Programming) 1.Find a positive root of x^4-x-9=0 by using Newton's raphson method (Numerical Methods)	YES
Syama Sai T	Slow learner	1.Pointers and Arrays (Problem Solving & Programming) 2.Parameter Passing Techniques (Problem Solving & Programming) 1.Find a positive root of x^4-x-9=0 by using Newton's raphson method (Numerical Methods)	YES

Team A

Team B

iii. Unacceptable attitudes of the teachers

As per the students assessment there is no such unacceptable attitudes of the teachers.

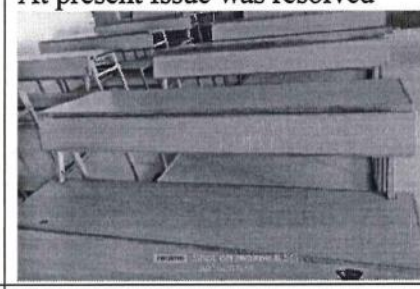
iv. Maintenance related issues

S. No.	Problems Identified	Corrective Action
1.	In the class of CSE I year section 3 window glass was broken.	Discussed with the Engineer.
2.	Received grievance about the damage of student tables in the class room in the previous report.	Issue was brought to the notice of the principal and resolved the same within 7 days by replacing with new tables

v. Inadequacy of the tools and materials in laboratory.

S. No.	Problems Identified	Corrective Action
1.	No Inadequacy of the tools and materials in laboratory witnessed	

A few petty issues subjected in the meeting & corrective steps taken:

S.No	Problems Identified	Corrective Action
1.	In the class of CSE I year section 3 window glass was broken.	Discussed with the Engineer.
2.	Received grievance about the damage of student tables in the class room in the previous report.	Issue was brought to the notice of the principal and resolved the same within 7 days by replacing with new tables. At present Issue was resolved 
3.	Syllabus incompletion	Discussed the same with faculty of NM and asked to complete the syllabus as per the lesson plan by taking additional classes.

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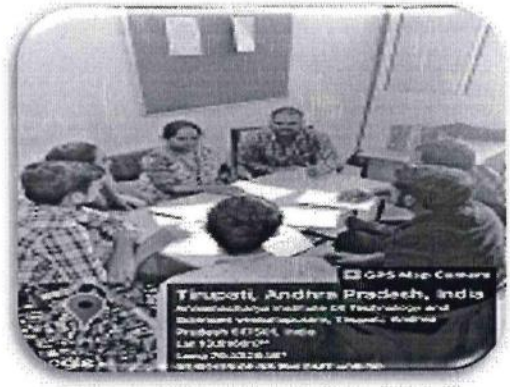

Signature of Facilitator

Signature of Coordinator

HEAD
Dept. of Humanities & Basic Sciences
Annamacharya Institute of
Technology & Sciences, Tirupati-517

Signature of the Chairman, Steering Committee (PRINCIPAL)

PRINCIPAL
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

Student Quality Circle (SQC):

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3. General Composition of SQC shall containa Coordinator (HOD/ Senior faculty member), a facilitator (Any one of the teacher/Class teacher), Group leader from student achievers, secretarial assistants from the nonteaching staff (1/2 members), few advanced learners (2-3 members) and struggled learners (7-8 members)
4. A few objectives for Student Quality Circle suggested are:

   i)Issues pertaining teaching-learning system:

   Improper handling of class by teachers, unacceptable attitudes of the teachers, violation of code of conduct by the teachers, by the students also, maintenance related issues,Inadequacy of the tools and materials etc in labs.

   ii)Guiding the slow learners towards improvement:

   In such cases, a fast learner (one ortwo) will be connected to 7-8 slow learners for upliftment and to give adequate push in theacademic.
5. Agenda for SQC meeting can be based on the above objectives.

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Technology & Sciences, TIRUPATI-517

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI

(AUTONOMOUS)

Department of MBA

Deming Quality Circle: 2022-23

Composition:

S.NO.	Name	Designation in SQC
1.	Mr.Ch.Venkateswarlu	Facilitator
2.	Veeravenkata Gurusai Sharma V, MBA II Year	Leader
3.	Mr.K.Srinivasan	Secretarial Assistant
4.	Hemalatha K, MBA II Year	Fast learner
5.	Pravallika S, MBA II Year	Fast learner
6.	Rakesh B, MBA II Year	Slow learner
7.	Narayana Subham Gupta, MBA II Year	Slow learner
8.	Venkatesh C, MBA II Year	Slow learner
9.	Venkateswarlu A, MBA II Year	Slow learner
10.	Chandu B, MBA II Year	Slow learner
11.	Aishwarya V, MBA II Year	Slow learner
12.	Munibharathi B, MBA II Year	Slow learner

Signature of the Facilitator

Signature of the Coordinator

HEAD
Dept. of Management Studies
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Signature of the Chairman, Steering Committee

(PRINCIPAL)

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Master of Business Administration (MBA)

Deming Quality Circle

Student Quality Circle Meeting of MBA II year
Dated on 12 Dec 2022 at 1:30pm in Room no:410

Agenda for Student Quality Circle:

i. Issues pertaining teaching-learning system.
ii. Guiding the slow learners towards improvement
iii. Unacceptable attitudes of the teachers
iv. Maintenance related issues

Members of Student Quality Circle ''

S.No	Name of the Person	Designation	Position	Signature
1	Mr.Ch.Venkateswarlu Assistant professor, MBA	Assistant Professor	Facilitator	
2	Veeravenkata Gurusai Sharma V, MBA II Year	Student	Leader	
3	Mr.K.Srinivasan Assistant professor, MBA	Assistant Professor	Secretarial Assistant	
4	Hemalatha K, MBA II Year	Student	Fast Learner	
5	Pravallika S, MBA II Year	Student	Fast Learner	
6	Rakesh B, MBA II Year	Student	Slow Learner	
7	Narayana Subham Gupta, MBA II Year	Student	Slow Learner	
8	Venkatesh C, MBA II Year	Student	Slow Learner	
9	Venkateswarlu A, MBA II Year	Student	Slow Learner	
10	Chandu B, MBA II Year	Student	Slow Learner	
11	Aishwarya V, MBA II Year	Student	Slow Learner	
12	Munibharathi B, MBA II Year	Student	Slow Learner	

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, TIRUPATI
(AUTONOMOUS)
Master of Business Administration (MBA)

i. Subject Analysis and Issues pertaining teaching-learning system.

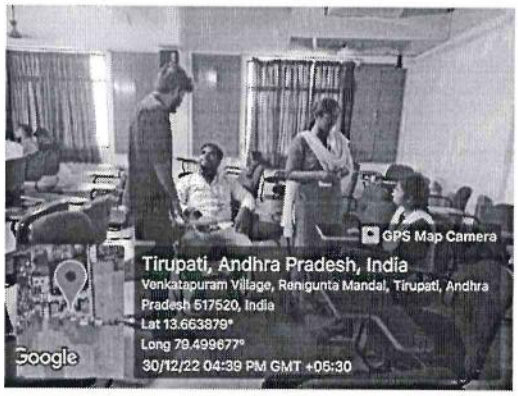
Subject Name	Problems Identified	Corrective Action
ENT-Entrepreneurship	Good	-
ITM-Innovation and Technology Management	Good	-
IAPM-Investment Analysis and Portfolio Management	Need more explanation	Given practical exposure in the lab about share market
FMS-Financial Markets and Services	More explanation required	Taken extra hours by the faculty and given detailed explanation
OCD-Organizational Change and Development	Good	-
RTM-Retail Management	Good	-
CBM-Compensation and Benefits Management	Good	-
PBM-Product and Brand Management	Good	-

ii. Guiding the slow learners towards improvement: Discussion has been done for the improvement of the slow learners on the subjects Investment Analysis and Portfolio Management & Financial markets and Securities.

Name of the Team	Topic Covered	Assignment Submission
Team A		
Hemalatha	Valuation of Securities	
Rakesh B		Yes
Chandu B		Yes
Venkatesh C		Yes
Aishwarya V		Yes
Team B		
Pravalika S	Mutual Funds	
Narayana Subham Gupta		Yes
Venkateswarlu A		Yes
Munibharathi B		Yes

Team A

Team B



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iii. Unacceptable attitudes of the teachers

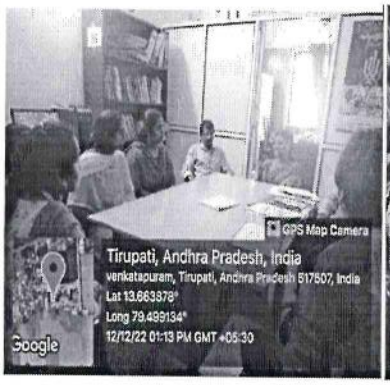
As per the students assessment there is no such unacceptable attitudes of the teachers.

iv. Maintenance related issues

S. No.	Problems Identified	Corrective Action
1.	In the class of MBA II YR fans are not working properly.	Discussed with the Engineer.
2.	Need of replacement of tables as the finishing harms the students due to nails out.	Discussed with the Engineer.

As per the Meeting the overall and Miscellaneous Problems:

S.No	Problems Identified	Corrective Action
1.	Some students from long distance; Koduru and Kalahasthi are facing Attendance loss due to traveling.	Counselled the students to come early to attend I hour.
2.	In the class of MBA II year fans are not working properly.	Discussed with the Engineer.
3.	Need of replacement of tables as the finishing harms the students due to nails out.	Discussed with the Engineer.
4.	There is need of projector for conducting more activities in the class room	Discussed with the Engineer.
5.	Required more hygienic maintenance of wash room and drinking water	Discussed with the Engineer



Signature of Facilitator

Signature of Coordinator

Signature of the Chairman, Steering Committee
(PRINCIPAL)

B. Chandu - Roll NO 21A41E00

1) Share valuation is an integral part of fondamental to analysis. it was benjamin Graham and David Dodda who Pioneered the development of systematic methods of Security evaluation in their book security Analysis Published in 1934. share, valuation deals with the determination of the theoretical or normative price of a share the price that a share should sell for, better known as the intrinsic value of the share. This price that a share should be sell with the actual rate share prevailing in the market to arrive at the appropriate investment decision.

Share valuation, however, is a difficult exercise. Different approaches may be adopted for the purpose, but all of them require forecasts of fondamental data about companies. no valuation model can Produce good results if the forecasting on which it is based are of poor quality.

Example-1

Consider five annual cash flows (the first occurring one year from today)

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year	1	2	3	4	5
cash flow(Rs)	5	8	12	15	16

Given a discount rate of 10 percent, what is the Present value of this stream of cash flow?

Solution :-

Present value of a stream of cash flows can be calculated as follows:

$$PV = \frac{C_1}{(1+K)^1} + \frac{C_2}{(1+K)^2} + \cdots + \frac{C_n}{(1+K)^n}$$

$$= \sum_{t=1}^{n} \frac{C_t}{(1+K)^t}$$

where :-

$C_1, C_2, \ldots C_n$ = future cash flows at time periods $1, 2, 3 \ldots, n$

K = Appropriate discount rate.

Here,

$$PV = \frac{5}{(1+0.1)^1} + \frac{8}{(1+0.1)^2} + \frac{12}{(1+0.1)^3} + \frac{15}{(1+0.1)^4} + \frac{16}{(1+0.1)^5}$$

$$= 4.545 + 6.612 + 9.016 + 10.245 + 9.935$$

$$= 40.353.$$

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2) Example-2 :

A share is currently selling for Rs. 65. The company is expected to pay a dividend of Rs. 2.50 on the share at the end of the year. It is reliably estimated that the share will sell for Rs. 78 at the end of the year.

* Assuming that the dividend and price forecasts are accurate, would you buy the share to hold it for one year, if your required rate of return were 12 percent?

* Given the current price of Rs. 65 and the expected dividend of Rs 2.50 what would the price have to be at the end of one year to justly purchase of the share today if your required rate of return were 15 percent?

Solution :

The share valuation model for one-year holding period is :

$$S_0 = \frac{D_1}{(1+k)^1} + \frac{S_1}{(1+k)^1}$$

Given

$D_1 = Rs.2.50 \quad S_1 = Rs.78 \quad k = 12 \text{ Per Cent}$

Here

$$S_0 = \frac{2.50}{(1+0.12)^1} + \frac{78}{(1+0.12)^1}$$

$= 2.23 + 69.64$

$= 71.87$

Since the current price of the share (Rs. 65) is lower than the intrinsic value of the share (Rs. 71.87), the share is underpriced and can be bought.

Given

Current Price = 65/-

D_1 = Rs 2.50

k = 15 percent

We have to determine the selling price at the end of the year (S_1) which will give the intrinsic value of the share as 65/-

Hence,

$$65 = \frac{2.50}{(1+0.15)^1} + \frac{X}{(1+0.15)^1}$$

$$65 = 2.17 + \frac{X}{(1.15)}$$

$$65 - 2.17 = \frac{X}{(1+15)}$$

Cross multiplying

$$1.15\,(65 - 2.17) = X$$

$$X = 1.15\,(62.83)$$

$$= 72.25$$

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Therefore

A selling price of Rs. 72.25 at the end of the year would justify the purchase of the share at the current price of Rs. 65.

Example : 3

You have decided to buy 500 shares of an IT company with the intention of selling out at the end of five years. You estimate that the company will pay 3.50 per share base dividends for the first two years and 4.50 per share for the first two years and the 4.50 next three years. You further estimate that, at the end of the five year holding period, the shares can be sold for Rs. 85. What would you be willing to pay today for these shares if your require rate of return is 12 percent?

Solution :-

The share valuation model for multi-year holding period is :

$$S_0 = \frac{D_1}{(1+K)^1} + \frac{D_2}{(1+K)^2} + \frac{D_3}{(1+K)^3} + \cdots + \frac{D_n - S_n}{(1+K)^n}$$

Given D_1 and $D_2 = 3.50$.

D_3, D_4 and $D_5 = 4.50$

$S_5 = 85$

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K = 12 Percent

Hence,

$$S_0 = \frac{3.50}{(1+0.12)^1} + \frac{3.50}{(1+0.12)^2} + \frac{4.50}{(1+0.12)^3} + \frac{4.50}{(1+0.12)^4} + \frac{4.50}{(1+0.12)^5} + \frac{85}{(1+0.12)^5}$$

$$= 3.125 + 2.790 + 3.203 + 2.860 + 2.553 + 48.231$$

$$= 62.762.$$

the maximum price to be paid for the shares would be Rs. 62.76 Per share.

Example-4 :-

A company paid a cash dividend of 4 Per share on its stock during the current year. The earnings and dividends of the company are expected to grow at the annual rate of 8 Percent identifinity. investors expect rate of returns of 14 Percent an the econapony's shares. what is a fair price for this company's shares?

Solution :-

The valuation model to be applied in this case is the constant growth model which is.

$$S_0 = \frac{D_0(1+g)}{K-g}$$

Given

$D_0 = 4$ /-

$g = 8$ Percent

$K = 14$ Percent.

Hence

$$S_0 = \frac{4(1+0.08)}{(0.14-0.08)}$$

$$= \frac{4.32}{0.06}$$

$$= 72./-$$

The fair price for the company's shares should be Rs. 72/-.

Example: 5

A company paid dividends amounting to Rs. 0.75 per share during the last year. The company is expected to pay 2 per share during the next year. Investors forecast a dividend of 3 per share in the year after that. Thereafter, it is expected that dividends will grow at 10 percent year into an identity future. would you buy / sell the share if the current price of the share is Rs. 54? Investor's require rate of return is 15 percent.

Solution:-

The valuation model to be applied in this case is the two-stage growth model.

$$S_0 = V_1 + V_2$$

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$$V_1 = \frac{D_1}{(1+K)^1} + \frac{D_2}{(1+K)^2} + \cdots + \frac{D_n}{(1+K)^n}$$

$$V_2 = \frac{D_n(1+g)}{(K-g)(1+K)^n}$$

given

$D_1 = 2/-$

$D_2 = 3/-$

$n = 2$

$g = 10$ percent

$K = 15$ percent.

Hence

$$V_1 = \frac{2}{(1+0.15)^1} + \frac{3}{(1+0.15)^2}$$

$$= 1.74 + 2.27$$

$$= 4.01$$

$$V_2 = \frac{3(1+0.10)}{(0.15-0.10)(1+0.15)^2}$$

$$= \frac{3.3}{(0.05)(1.15)^2}$$

$$= 49.91$$

$$S_0 = 4.01 + 49.91$$

$$= 53.92.$$

The current market price of the share is equal to the intrinsic value (53.92). As the share is fairly priced no trading is recommended.

Example: 6

The chemical company paid a dividend of 2.75 during the current year. forecasts suggest that earnings and dividends of the company are likely to grow at the rate of 8% the next five years and at the rate of 5%. thereafter. Investors have traditionally required a rate of return of 20 percent on these stares. what is the present value of the stock.

Solution :-

The valuation model to be applied in this case is the two-stages growth model given.

$D_0 = 2.75$

$N = 5$

$K = 20\%$.

g (for the first five years) $= 8\%$.

g (after five years) $= 5$ per %.

Hence :

$D_1 = D_0(1+g)^1 = 2.75(1+0.08)^1 = 2.97$

$D_2 = D_0(1+g)^2 = 2.75(1.08)^2 = 3.21$

$D_3 = D_0(1+g)^3 = 2.75(1.08)^3 = 3.46$

$D_4 = D_0(1+g)^4 = 2.75(1.08)^4 = 3.74$

$D_5 = D_0(1+g)^5 = 2.75(1.08)^5 = 4.04$

$$V_1 = \frac{2.97}{(1+0.2)^1} + \frac{3.21}{(1+0.2)^2} + \frac{3.46}{(1+0.2)^3} + \frac{3.74}{(1+0.2)^4} + \frac{4.04}{(1+0.2)^5}$$

$= 2.48 + 2.23 + 2.00 + 1.80 + 1.62$

$= 10.13$

$V_2 = \frac{D_n(1+g)}{(k-g)(1-k)^n}$

$= \frac{4.04(1+0.05)}{(0.20-0.05)(1+0.90)^5}$

$= \frac{4.24}{(0.15)(1.9)^5}$

$= 11.36$

$P_0 = V_1 + V_2$

$= 10.13 + 11.36$

$= 21.49$

The Present value of the stock is Rs 21.49.

Example :-

Cement Products Ltd. currently pays a dividend of 4/- share on its equity share.

* If the company plans to increase its dividend at the rate of 8% year indefinitely, what will be the dividend per share in 10 years?

* If the company's dividend per share is expected 7.05 per share end of the year expected to grow?

Solution :-

1. $D_0 = 4/-$

$g = 8\%$

Hence

$D_{10} = D_0(1+g)^{10}$

$= 4(1+0.08)^{10}$

$= 8.64.$

2. $D_0 = 4\%.$

$D_8 = 7.05$

we have to determine the growth rate, that is g.

$$D_5 = D_0(1+g)^5$$

$$7.05 = 4(1+g)^5$$

$$\frac{7.05}{4} = (1+g)^5$$

$$1.7625 = (1+g)^5$$

$$(1+g) = \sqrt[5]{1.7625}$$

$$1+g = 1.12$$

$$g = 1.12 - 1$$

$$g = 0.12 \text{ (or) } 12\%$$

Hence, dividend growth rate is 12%.

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CIRCULAR

Tutorial Session for the following students in the subject of Engineering Mechanics (20APC0301) in II-I is planned to be conducted on 14/03/2022 from 2:40pm to 4:20pm. The problems as listed below will be taken up for tutoring. The tutorial session faculty in charges are Mrs. M. Sruthi & Mr. P.C. Prakash

S.NO	ROLL.NO	NAME OF THE STUDENT
1.	20AK1A0302	ANJINEYULU N
2.	20AK1A0304	CHANDU B
3.	20AK1A0312	HARI PRASAD K
4.	20AK1A0313	HARISH S
5.	20AK1A0316	JAGAN MOHAN REDDY B
6.	20AK1A0319	KUSHAL A
7.	20AK1A0320	KUSHALKUMAR P
8.	20AK1A0323	MAHENDRA E
9.	20AK1A0327	OM SIVA SANKAR SAI C
10.	21AK5A0331	PAVAN KUMAR L
11.	21AK5A0332	PRABHU ASHEER G
12.	21AK5A0333	PRUDHVI M

Problems for tutorial:

1. State and prove parallel axis theorem
2. Write the equation of D'Alemberts principle in a relation with newton law of motion with suitable example

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ATTENDANCE

S.NO	NAME OF THE STUDENT	ROLL.NO	Signature of the students
1.	20AK1A0302	ANJINEYULU N	Anjineyul
2	20AK1A0304	CHANDU B	ABSENT
3	20AK1A0312	HARI PRASAD K	Hari prasad
4.	20AK1A0313	HARISH S	S. Harish
5.	20AK1A0316	JAGAN MOHAN REDDY B	Jagan. B
6.	20AK1A0319	KUSHAL A	Kushal
7.	20AK1A0320	KUSHALKUMAR P	P. Kushal kumar
8.	20AK1A0323	MAHENDRA E	Mahendra. E
9	20AK1A0327	OM SIVA SANKAR SAI C	ABSENT
10	21AK5A0331	PAVAN KUMAR L	PAVAN. L
11	21AK5A0332	PRABHU ASHEER G	Prabhu Asheer. G
12	21AK5A0333	PRUDHVI M	Prudhvi. M

Faculty In charge:

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ACADEMIC YEAR (2021-2022)

CIRCULAR

Tutorial Session for the following students in the subject of Mechanics of Materials (20APC0302) in II-II is planned to be conducted on 16/06/2022 from 2:40pm to 4:20pm. The problems as listed below will be taken up for tutoring. The tutorial session faculty in charges are Mr. K. Kumar & Dr. J Venumurali

S.NO	ROLL.NO	NAME OF THE STUDENT
1.	20AK1A0320	KUSHALKUMAR P
2	20AK1A0323	MAHENDRA E
3	20AK1A0327	OM SIVA SANKAR SAI C
4.	21AK5A0331	PAVAN KUMAR L
5.	21AK5A0332	PRABHU ASHEER G
6.	21AK5A0333	PRUDHVI M
7.	21AK5A0334	RAJ KUMAR G
8.	21AK5A0336	RAVI KISHORE K
9	21AK5A0340	SHAIK MAHABOOB BASHA
10	21AK5A0342	SHARATH KUMAR R
11	21AK5A0348	TEJESWARA RAO
12	21AK5A0349	VEERA NARAYANA J
13	21AK5A0352	VENKATA VAMSI G
14	21AK5A0354	NRUSIMHA SARASWATHI
15	20AK1A0331	SAI KARTHEEK S
16	20AK1A0335	SANDEEP KUMAR REDDY B

Problems for tutorial:

1. What are the assumptions in theory of simple bending and derive expression for bending equation
2. Establish the relationship between elastic constants

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ATTENDANCE

S.NO	NAME OF THE STUDENT	ROLL.NO	Signature of the students
1.	20AK1A0320	KUSHALKUMAR P	P. Kushal Kumar
2	20AK1A0323	MAHENDRA E	Mahendra. E
3	20AK1A0327	OM SIVA SANKAR SAI C	ABSENT
4.	21AK5A0331	PAVAN KUMAR L	PAVAN. L
5.	21AK5A0332	PRABHU ASHEER G	PrabhuAsheer. G
6.	21AK5A0333	PRUDHVI M	Prudhvi. M
7.	21AK5A0334	RAJ KUMAR G	Rajkumar. G
8.	21AK5A0336	RAVI KISHORE K	RAVI. K
9	21AK5A0340	SHAIK MAHABOOB BASHA	Mahaboob Basha
10	21AK5A0342	SHARATH KUMAR R	R. Sharath
11	21AK5A0348	TEJESWARA RAO	Tejeswara Rao
12	21AK5A0349	VEERA NARAYANA J	Veera Narayana. J
13	21AK5A0352	VENKATA VAMSI G	Venkata Vamsi. G
14	21AK5A0354	NRUSIMHA SARASWATHI	ABSENT
15	20AK1A0331	SAI KARTHEEK S	Sai Karthek. S
16	20AK1A0335	SANDEEP KUMAR REDDY B	B. Sandeep

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ACADEMIC YEAR (2021-2022)

CIRCULAR

Tutorial Session for the following students in the subject of Dynamics of Machinery (19APC0325) in III-I is planned to be conducted on 29/03/2022 from 2:40pm to 4:20pm. The problems as listed below will be taken up for tutoring. The tutorial session faculty in charges are Mr. K. Kumar

S.NO	ROLL.NO	NAME OF THE STUDENT
1.	19AK1A0304	BADRINATH K
2	19AK1A0306	BALU NAVEEN
3	19AK1A0307	BHARATH M
4.	19AK1A0308	BOSE P
5.	19AK1A0309	DARSHAN M
6.	19AK1A0311	GNANA PRASAD A
7.	19AK1A0312	GOUTHAM P M V S
8.	19AK1A0315	HIVANANDA Y
9	19AK1A0316	JAGADEESH T
10	19AK1A0320	KRISHNAREDDY SAGAR

Problems for tutorial:

1.Describe the functions of Hartnell governor and deduce the relation to find the stiffness of the spring

2. Derive the following expressions for an uncoupled two cylinder locomotive Engine.

M. Babu

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ACADEMIC YEAR (2021-2022)

ATTENDANCE

S.NO	NAME OF THE STUDENT	ROLL.NO	Signature of the students
1.	19AK1A0304	BADRINATH K	K. Badrinath
2	19AK1A0306	BALU NAVEEN	Balu Naveen
3	19AK1A0307	BHARATH M	M. Bharath
4.	19AK1A0308	BOSE P	P. Bose
5.	19AK1A0309	DARSHAN M	Darshan. M
6.	19AK1A0311	GNANA PRASAD A	A. G. Prasad
7.	19AK1A0312	GOUTHAM P M V S	Goutham. P
8.	19AK1A0315	SHIVANANDA Y	Y. Shiv
9	19AK1A0316	JAGADEESH T	Jagadeesh
10	19AK1A0320	KRISHNAREDDY SAGAR	Sagar. K

Faculty In charge:

M. Babu
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ACADEMIC YEAR (2021-2022)

CIRCULAR

Tutorial Session for the following students in the subject of Heat Transfer (19APC0317) in III-II is planned to be conducted on 04/07/2022 from 2:40pm to 4:20pm. The problems as listed below will be taken up for tutoring. The tutorial session faculty in charges are Mrs. M Sruthi

S.NO	ROLL.NO	NAME OF THE STUDENT
1.	19AK1A0307	BHARATH M
2	19AK1A0308	BOSE P
3	19AK1A0309	DARSHAN M
4.	19AK1A0310	DILLI PRASAD P
5.	19AK1A0311	GNANA PRASAD A
6.	19AK1A0312	GOUTHAM P M V S
7.	19AK1A0313	HARSHA VARDHAN M
8.	19AK1A0314	HEMASAI R
9	19AK1A0315	SHIVANANDA Y
10	19AK1A0316	JAGADEESH T
11	19AK1A0317	JAYANTH SAI VARMA D

Problems for tutorial:

1.Derive the expression for conduction equation

2. Explain the process of convection by using some examples

M. Bela

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S.NO	NAME OF THE STUDENT	ROLL.NO	Signature of the students
1.	19AK1A0307	BHARATH M	K. Badrinath Bharath
2	19AK1A0308	BOSE P	P. Bose
3	19AK1A0309	DARSHAN M	Darshan M
4.	19AK1A0310	DILLI PRASAD P	P. Dilli
5.	19AK1A0311	GNANA PRASAD A	A. G. Prasad
6.	19AK1A0312	GOUTHAM P M V S	Goutham. P
7.	19AK1A0313	HARSHA VARDHAN M	M. Har
8.	19AK1A0314	HEMASAI R	R. Hemasai
9	19AK1A0315	SHIVANANDA Y	Y. Shiv
10	19AK1A0316	JAGADEESH T	Jagadeesh
11	19AK1A0317	JAYANTH SAI VARMA D	D. Jayant.

Faculty In charge:

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ACADEMIC YEAR (2021-2022)

CIRCULAR

Tutorial Session for the following students in the subject of Automobile Engineering (15A03701) in IV-I is planned to be conducted on 14/03/2022 from 2:40pm to 4:20pm. The problems as listed below will be taken up for tutoring. The tutorial session faculty in charge is Mr. P. Venkatamahesh and Mr. M. Balaji

S.NO	ROLL.NO	NAME OF THE STUDENT
1.	18AK1A0302	KOMIRISETTI AJAY
2	18AK1A0303	KOTHAPALLI AJAYKUMAR
3	18AK1A0305	KARETI CHANDU
4.	18AK1A0306	AMARAPU CHENCHURAMAIAH
5.	18AK1A0307	PAIDIPATI HARIPRAKASH
6.	18AK1A0309	P KHADHAR VALI
7.	19AK5A0308	DUDEKULA ISMAIL
8.	19AK5A0313	KAIPA NANDA KISHORE REDDY
9	19AK5A0320	DUDDELA RAVI VAMSI
10	19AK5A0326	DASARI THARUN
11	19AK5A0327	A THIMMEGOWDA
12	19AK5A0330	AKKEM VENKATA JASWANTH REDDY
13	18AK1A0315	T RAVI TEJA

Problems for tutorial:

1. Explain the various types of Igniton system

2. Explain the types of cooling systems in automobiles

M. Balaji

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ACADEMIC YEAR (2021-2022)

ATTENDANCE

S.NO	NAME OF THE STUDENT	ROLL.NO	Signature of the students
1.	18AK1A0302	KOMIRISETTI AJAY	Ajay . K
2	18AK1A0303	KOTHAPALLI AJAYKUMAR	Ajaykumar . K
3	18AK1A0305	KARETI CHANDU	K. Chandu
4.	18AK1A0306	AMARAPU CHENCHURAMAIAH	A. Chen
5.	18AK1A0307	PAIDIPATI HARIPRAKASH	Hari Prakash. P.
6.	18AK1A0309	P KHADHAR VALI	Kha
7.	19AK5A0308	DUDEKULA ISMAIL	D. Ism
8.	19AK5A0313	KAIPA NANDA KISHORE REDDY	Nanda. K
9	19AK5A0320	DUDDELA RAVI VAMSI	Ravi Vamsi. D
10	19AK5A0326	DASARI THARUN	D. Tharun
11	19AK5A0327	A THIMMEGOWDA	Thim. G
12	19AK5A0330	AKKEM VENKATA JASWANTH REDDY	Joswath. A
13	18AK1A0315	T RAVI TEJA	Ravi. T

M. Belin

Faculty In charge:

M. Belin

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ACADEMIC YEAR (2021-2022)

CIRCULAR

Tutorial Session for the following students in the subject of Fluid Mechanics (20APC0103) in II-I is planned to be conducted on 14/03/2022 from 2:40pm to 4:20pm.The problems as listed below will be taken up for tutoring .The tutorial session faculty incharges are Mr. A.Anil & Mr. P.Narendra

S.NO	ROLL.NO	NAME OF THE STUDENT
1.	20AK1A0104	BABUREDDY B
2	20AK1A0108	CHENCHUSAIKIRAN G
3	20AK1A0119	HARSHITHA A
4.	20AK1A0127	MAHESH E
5.	20AK1A0129	MASTHAN C
6.	20AK1A0145	PRIYAVENI M
7.	20AK1A0149	RAVI TEJA I
8.	20AK1A0155	SAI RAM N
9	20AK1A0164	SREEKANTH Y
10	20AK1A0175	VIGNESH A
11	21AK5A0103	ANUPAMA M
12	21AK5A0115	GUNASAI G
13	21AK5A0136	MUNICHANDU M
14	21AK5A0149	PRAVEEN V

Problems for tutorial:

1. Derive the continuty equation in three dimensional cartesian co-ordinate system?
2. The velocity vector in a fluid flow is given as $V=4x^3i-10x^2yj+2tk$. Find the velocity and acceleration at (2,1,3) and t=1.

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ATTENDANCE:

S.NO	NAME OF THE STUDENT	ROLL.NO	Signature of the students
1.	20AK1A0104	BABUREDDY B	
2	20AK1A0108	CHENCHUSAIKIRAN G	
3	20AK1A0119	HARSHITHA A	
4.	20AK1A0127	MAHESH E	
5.	20AK1A0129	MASTHAN C	
6.	20AK1A0145	PRIYAVENI M	
7.	20AK1A0149	RAVI TEJA I	
8.	20AK1A0155	SAI RAM N	
9	20AK1A0164	SREEKANTH Y	
10	20AK1A0175	VIGNESH A	
11	21AK5A0103	ANUPAMA M	
12	21AK5A0115	GUNASAI G	
13	21AK5A0136	MUNICHANDU M	
14	21AK5A0149	PRAVEEN V	

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STUDENTS MARKS:

S.NO	NAME OF THE STUDENT	ROLL.NO	Students Marks Out of 10
1.	20AK1A0104	BABUREDDY B	8
2	20AK1A0108	CHENCHUSAIKIRAN G	ABSENT
3	20AK1A0119	HARSHITHA A	7
4.	20AK1A0127	MAHESH E	8
5.	20AK1A0129	MASTHAN C	6
6.	20AK1A0145	PRIYAVENI M	7
7.	20AK1A0149	RAVI TEJA I	7
8.	20AK1A0155	SAI RAM N	8
9	20AK1A0164	SREEKANTH Y	10
10	20AK1A0175	VIGNESH A	8
11	21AK5A0103	ANUPAMA M	10
12	21AK5A0115	GUNASAI G	9
13	21AK5A0136	MUNICHANDU M	10
14	21AK5A0149	PRAVEEN V	10

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Name:- E. Mahesh
Roll no:- 20AK1A0127

"Fluid Mechanics"

1. Continuity equation in three dimensions

Consider a fluid element of length dx, dy and dz in the directions of x, y, z.

Let u, v, w are the inlet velocity components in x, y, z directions respectively.

Mass of fluid entering the face A, B, C, D per second;

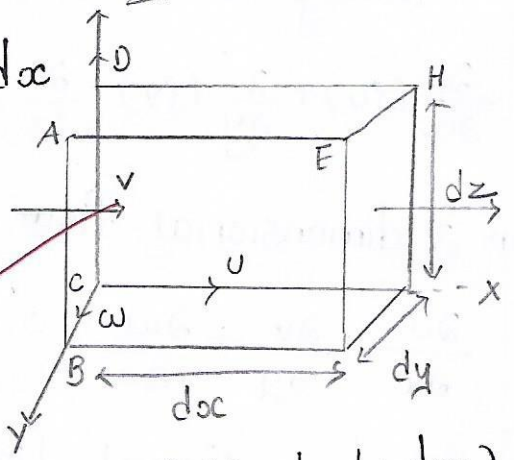
= Density x Volume

= r x velocity in x direction x Area of ABCD

= r x u x dy x dz

Mass of fluid leaving the face EFGH per second

$= \rho u\,dy\,dz + \frac{\partial}{\partial x}(\rho u\,dy\,dz)\,dx$



Gain of mass in x direction

$= -\frac{\partial}{\partial x}(\rho u\,dy\,dz\,dx)$

Similarly;

The net gain of mass in y-direction $= -\frac{\partial}{\partial y}(\rho u\,dy\,dz\,dx)$

The net gain of mass in z-direction $-\frac{\partial}{\partial z}(\rho u\,dy\,dz\,dx)$

But;

The mass of fluid in element is $\rho\,dx\,dy\,dz$ and it's rate of increase with time $= \frac{\partial \rho}{\partial t}dx\,dy\,dz \rightarrow ②$

∴ The net gain of masses

$= \frac{\partial}{\partial x}(\rho u) + \frac{\partial}{\partial y}(\rho v) \cdot \frac{\partial}{\partial z}(\rho w) \rightarrow ①$

equating eq ① and ②

$$\frac{\partial \rho}{\partial t}(dx \cdot dy \cdot dz) = -\left(\frac{\partial}{\partial x}(\rho u) + \frac{\partial}{\partial y}(\rho v) + \frac{\partial}{\partial z}(\rho w)\right)(dx\, dy \cdot dz)$$

$$\frac{\partial \rho}{\partial t} + \frac{\partial}{\partial z}(\rho u) + \frac{\partial}{\partial y}(\rho v) + \frac{\partial}{\partial z}(\rho z) = 0$$

The equation is applicable for;

→ Steady and unsteady flows

→ uniform and non-uniform flows

→ Compressible and Incompressible fluilds

for steady flow;

$$\frac{\partial \rho}{\partial t} = 0$$

for incomprassible fluid;

$$\frac{\partial}{\partial x}(\rho u) + \frac{\partial}{\partial y}(\rho v) + \frac{\partial}{\partial z}(\rho w) = 0$$

for 3 dimensional flow;

$$\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} + \frac{\partial w}{\partial z} = 0$$

for 2 dimensional flow;

$$\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} = 0. \;//$$

2. The velocity vector in a fluid flow is given as;

$V = 4x^3 i - 10xy^2 j + 2t k$ find the velocity and acceleration at $(2, 1, 3)$ and $t = 1$.

$u = 4x^3$,

$v = -10xy^2$

$u = 4(2^3) = 32$ units

$V = -10(2^2) \times 4 = -40$ units

$w = 2(1) = 2$ units

$V = \sqrt{32^2 + 40^2 + 2^2} = 51.26$ units

$$ax = 4x^3 \frac{\partial}{\partial x}(4x^3) + (-10x^2y)\frac{\partial}{\partial y}(4x^3) + \partial t \cdot \frac{\partial}{\partial x}\left(4x^3 + \frac{\partial v}{\partial z}\right)$$

$$ax = 4x^3(12x^2) + 0 + 0 + 0$$

$$= 48x^5$$

$$= 48(2)^5$$

$ax = 1536$ units.

$$ay = 4x^3 \cdot \frac{\partial}{\partial x}(-10x^2y) - 10x^2y\left(\frac{\partial}{\partial y}(-10x^2y)\right) + \partial t \cdot \frac{\partial}{\partial x}\left(-10x^2 \cdot \frac{\partial(-10x^2y)}{2}\right)$$

$$= 4x^3(-20xy) - 10x^2y(-10x^2) + 2t(0) + 0$$

$$= -80x^4y + 10x^4y + 0 + 0$$

$$= 4(2^3)(-20(2)(1) - 10(2)^2(1)(-10(2)^2)$$

$$= 32(-40) - 10(4)(-40)$$

$$= -1280 + 1600$$

$ay = 320.$

$$a_z = 4x^3 \cdot \frac{\partial}{\partial x}(2t) - 10x^2y \cdot \frac{\partial}{\partial y}(2t) + 2t \cdot \frac{\partial}{\partial z}(2t) + \frac{\partial}{\partial t}(2t)$$

$$a_z = 0 + 0 + 0 + 2$$

$a_z = 2$ units.

$$A = \sqrt{ax^2 + ay^2 + az^2}$$

$$= \sqrt{1536^2 + 320^2 + 2^2}$$

$$A = 1568.98 \text{ //}$$

8/10

All

Annamacharya Institute of Technology and Sciences, Tirupati
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Department of Computer Science and Engineering

CIRCULAR

21-01-2022.

Tutorial session of B.Tech II Year I Semester for the subject of DataBase Management Systems is planned to conduct once in a week as per the scheduled time table. Hence the tutorial session faculty Incharge is instructing to improvise student analytical skills in respective subject.

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES:: TIRUPATI
Department of Computer Science & Engineering
CLASS TIME TABLE (2021-22)

II B. Tech I Semester (Section-3)		Room No: A 204
Class Teacher : Ms. Divya		w.e.f: 05-11-2021

DAY	1	2	3	4		5	6	7
	09-30 AM TO 10-20 AM	10-20 AM TO 11-10 AM	11-10 AM TO 12-00 PM	12-00 PM TO 12-50 PM	12-50 PM TO 01-50 PM	01-50 PM TO 02-40 PM	02-40 PM TO 03-30 PM	03-30 PM TO 04-20 PM
MON	BPP	DMS	DEM	DBMS	L	BPP LAB		
TUE	DMS	BEEE	DBMS	COI	U	BPP	BEEE(ECE)	DBMS
WED	DMS	DBMS LAB			N	CSS LAB		
THU	BEEE	COI	DEM	BEEE(ECE)	C	CSS	DMS	DEM
FRI	DEM	DMS	DBMS	BPP	H	DBMS LAB		
SAT	BEEE	BEEE LAB				BEEE(ECE)	DEM	DBMS

Subject Abbreviation	Subject Code	Subject Name	Name of the Faculty	No of Hours
DMS	20ABS9914	Discrete Mathematical Structures	Mr. Y. Masthanaiah	5
DBMS	20APC0502	Database Management System	Ms. M . Reddi Durgasree	5
DEM	20APC0503	Digital Electronics and Microprocessors	Mrs. Shaik Benarjee	5
BPP	20APC0526	Basics of Python Programming	Ms. Divya	3
BEEE	20AES02	Basics of Electrical and Electronics Engineering	Mrs. P B Lavanya	6
DBMS LAB	20APC0505	Database Management System Laboratory	Ms. M . Reddi Durgasree / Ms. T Ramys Sree/Anusha	6
BPP LAB	20APC0527	Basics of Python Programming Laboratory	Ms. Divya / Mrs N Geethanjali	3
BEEE LAB	20AES02	Basics of Electrical and Electronics Engineering Laboratory	EEE / Mrs. P B Lavanya	3
CSS	20ASC0501	Client Side Scripting	Mr. T Sai Kumar/ Ms Kanishka	3
CoI	20AMC9902	Constitution of India	Mrs. M Nirmala Rani	2

Note: Faculty is authorised to conduct 1 period per week as tutorial class in the given number of periods.

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Principal

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TECHNOLOGY & SCIENCES
Karakambadi Road, Venkatapuram (V)

Department Of Computer Science & Engineering

II-I CSE(SEC- 3)

S.No	Roll Number	Name of the student	S.No	Roll Number	Name of the student
1	20AK1A05C1	ROHITH SAI REDDY A	34	20AK1A05F4	VENKATA SOWMYA C
2	20AK1A05C2	RUKHAIAH	35	20AK1A05F5	VENKATA SUVITHA P
3	20AK1A05C3	SADDAM HUSSAIN M	36	20AK1A05F6	VENKATASUBBULU C
4	20AK1A05C4	SAI ESHMITA G	37	20AK1A05F7	VIJAY J S
5	20AK1A05C5	SAI GANESH S	38	20AK1A05F8	VINAY KUMAR REDDY K
6	20AK1A05C6	SAI SOWMYA D	39	20AK1A05F9	VINEELA S
7	20AK1A05C7	SAI SWETHA KRISHNA T	40	20AK1A05G0	VINITHA O
8	20AK1A05C8	SAI VENKATA GANESH M	41	20AK1A05G1	VINUTHNA M
9	20AK1A05C9	SAI YASWANTH Y	42	20AK1A05G2	YASASWINI V
10	20AK1A05D0	SAIKEERTHI V	43	20AK1A05G3	YASWANTH SAI M
11	20AK1A05D1	SAMEER SHAIK	44	20AK1A05G4	YESWANTH K
12	20AK1A05D2	SAMPOORNA S	45	20AK1A05G5	YUGANDHAR L
13	20AK1A05D3	SANJANA M	46	20AK1A05G6	NAGA TEJASHWINI V
14	20AK1A05D4	SANNUTHA V	47	19AK1A05B7	PAVANESH KUMAR REDDY
15	20AK1A05D5	SASIKALA P	48	19AK1A05G3	AEDDULA SRAVANI
16	20AK1A05D6	SINDHU SREE T	49	21AK5A0521	MANOJA V
17	20AK1A05D7	SREE NIKHITHA K	50	21AK5A0522	NEELANTESWARA P
18	20AK1A05D8	SREELEKHA M	51	21AK5A0523	REDDY PASANTH D
19	20AK1A05D9	SREEVARSHA M R	52	21AK5A0524	SAI RAM M
20	20AK1A05E0	SREYA M K	53	21AK5A0525	SHAIK GOUSE BASHA
21	20AK1A05E1	SRUJANA LAKSHMI C	54	21AK5A0526	SIVA KRISHAN O
22	20AK1A05E2	SUDHEER BABU K	55	21AK5A0527	SOMESH K
23	20AK1A05E3	SULAIMAN N	56	21AK5A0528	SUCHARITHA T
24	20AK1A05E4	SUMANTH E	57	21AK5A0529	SUDHEER KUMAR M
25	20AK1A05E5	SUNIL GANESH K	58	21AK5A0530	VENKAT E
26	20AK1A05E6	TEJASWI P	59	21AK5A0531	VENUGOPAL B
27	20AK1A05E7	TEJASWINI B	60	21AK5A0532	VINAY KUMAR G
28	20AK1A05E8	THANOOJA K	61	21AK5A0533	VISHNU C
29	20AK1A05E9	THARUN SAI KUMAR REDDY K	62	21AK5A0534	VISWANADH S
30	20AK1A05F0	TONIKA T	63	21AK5A0535	SAI SURYA I
31	20AK1A05F1	VAISHNAVI S	64	21AK5A0536	DIVAKAR
32	20AK1A05F2	VAMSHI KRISHNA G	65	19AK1A05F1	GUNDRAJU SASI (RJ_22)
33	20AK1A05F3	VARSHITHA G	66	19AK1A05I3	RAVIPATI VENKATA VINAY KUMAR(RJ_22)

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES::TIRUPATI
(Approved by AICTE New Delhi & Permanent Affiliation to JNTUA, Ananthapuramu;
Three B.Tech programmes CSE, ECE & EEE are accredited by National Board of Accreditation (NBA), New Delhi;
Accredited by NAAC, Bangalore; A-grade awarded by AP Knowledge Mission;
Accredited by the Institution of Engineers IE(I), Kolkata;
Recognized under sections 2(f) & 12 (B) of UGC Act 1956)

Department Of Computer Science & Engineering

TUTORIAL SHEET

NAME OF THE SUBJECT: DATABASE MANAGEMENT SYSTEMS

ACADEMIC YEAR: 2021-2022 **YEAR & SEMESTER: II-I**

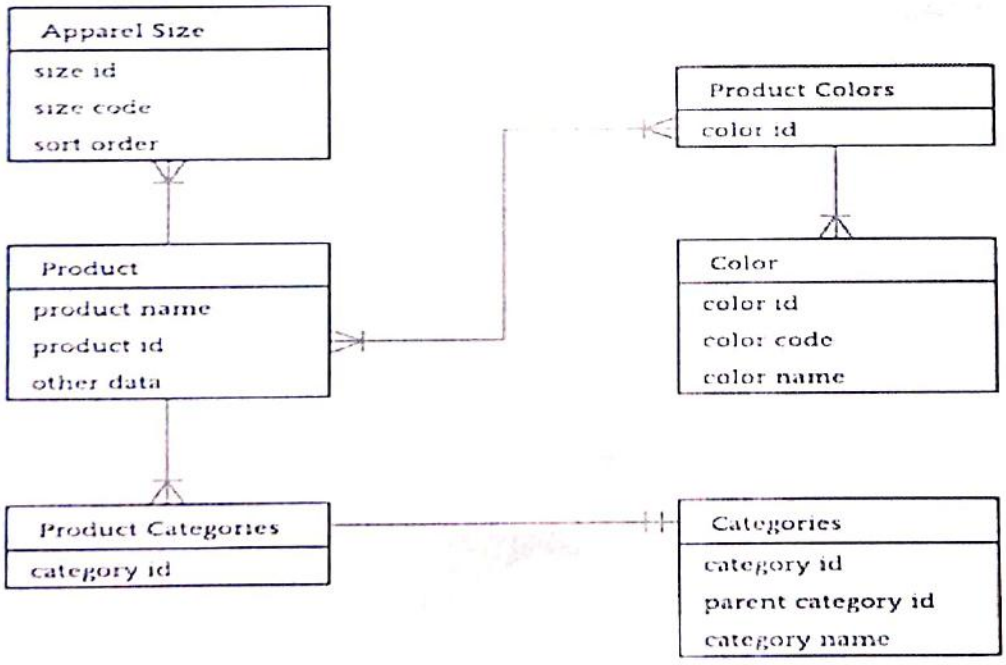
Date: 22-01-2022

ER diagrams in DBMS:

ER Diagram stands for Entity Relationship Diagram, also known as ERD is a diagram that displays the relationship of entity sets stored in a database. In other words, ER diagrams help to explain the logical structure of databases. ER diagrams are created based on three basic concepts: entities, attributes and relationships.

ER Diagrams contain different symbols that use rectangles to represent entities, ovals to define attributes and diamond shapes to represent relationships.

At first look, an ER diagram looks very similar to the flowchart. However, ER Diagram includes many specialized symbols, and its meanings make this model unique. The purpose of ER Diagram is to represent the entity framework infrastructure.



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What is ER Model?

ER Model stands for Entity Relationship Model is a high-level conceptual data model diagram. ER model helps to systematically analyze data requirements to produce a well-designed database. The ER Model represents real-world entities and the relationships between them. Creating an ER Model in DBMS is considered as a best practice before implementing your database.
ER Modeling helps you to analyze data requirements systematically to produce a well-designed database. So, it is considered a best practice to complete ER modeling before implementing your database.

History of ER models

ER diagrams are visual tools that are helpful to represent the ER model. Peter Chen proposed ER Diagram in 1971 to create a uniform convention that can be used for relational databases and networks. He aimed to use an ER model as a conceptual modeling approach.

Why use ER Diagrams?

Here, are prime reasons for using the ER Diagram

- Helps you to define terms related to entity relationship modeling
- Provide a preview of how all your tables should connect, what fields are going to be on each table
- Helps to describe entities, attributes, relationships
- ER diagrams are translatable into relational tables which allows you to build databases quickly
- ER diagrams can be used by database designers as a blueprint for implementing data in specific software applications
- The database designer gains a better understanding of the information to be contained in the database with the help of ERP diagram
- ERD Diagram allows you to communicate with the logical structure of the database to users

Facts about ER Diagram Model

Now in this ERD Diagram Tutorial, let's check out some interesting facts about ER Diagram Model:

- ER model allows you to draw Database Design
- It is an easy to use graphical tool for modeling data
- Widely used in Database Design
- It is a GUI representation of the logical structure of a Database
- It helps you to identifies the entities which exist in a system and the relationships between those entities

ER Diagrams Symbols & Notations

Entity Relationship Diagram Symbols & Notations mainly contains three basic symbols which are rectangle, oval and diamond to represent relationships between elements, entities and attributes. There are some sub-elements which are based on main elements in ERD Diagram. ER Diagram is a visual representation of data that describes how data is related to each other using different ERD Symbols and Notations.

Following are the main components and its symbols in ER Diagrams:

- Rectangles: This Entity Relationship Diagram symbol represents entity types
- Ellipses : Symbol represent attributes
- Diamonds: This symbol represents relationship types
- Lines: It links attributes to entity types and entity types with other relationship types

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- Primary key: attributes are underlined
- Double Ellipses: Represent multi-valued attributes

Components of the ER Diagram

This model is based on three basic concepts:

- Entities
- Attributes
- Relationships

WHAT IS ENTITY?

A real-world thing either living or non-living that is easily recognizable and nonrecognizable. It is anything in the enterprise that is to be represented in our database. It may be a physical thing or simply a fact about the enterprise or an event that happens in the real world.

An entity can be place, person, object, event or a concept, which stores data in the database. The characteristics of entities are must have an attribute, and a unique key. Every entity is made up of some 'attributes' which represent that entity.

Examples of entities:

- Person: Employee, Student, Patient
- Place: Store, Building
- Object: Machine, product, and Car
- Event: Sale, Registration, Renewal
- Concept: Account, Course

Notation of an Entity

Entity set:

Student

An entity set is a group of similar kind of entities. It may contain entities with attribute sharing similar values. Entities are represented by their properties, which also called attributes. All attributes have their separate values. For example, a student entity may have a name, age, class, as attributes.

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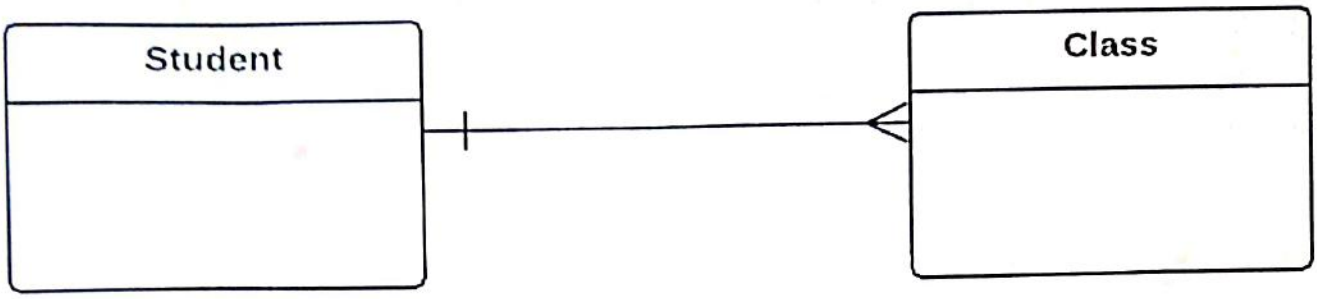

Relationship

Relationship is nothing but an association among two or more entities. E.g., Tom works in the Chemistry department.

Entities take part in relationships. We can often identify relationships with verbs or verb phrases.

Ms. M . Reddi Durgasree

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2.2.1 – ECE – File No.3

Annamacharya Institute of Technology and Sciences (Autonomous)

Department of Electronics and Communication Engineering

Circular

Date: 8/11/22

Tutorial session of B.Tech III year I semester for the subject of Antennas and Wave Propagation is planned to conduct once in a week as per the scheduled timetable. Hence the tutorial session faculty Incharge is instructing to improvise student analytical skills in respective subject.

N Pushpalatha

HOD - ECE

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES: TIRUPATI

Department of Electronics & Communication Engineering

III B.Tech I Semester (Section-2) **Room No: C108**

Class Teacher: V. Vijaya Lakshmi **Academic Year: 2022-2023**

DAY	1 09-30 AM TO 10-20 AM	2 10-20 AM TO 11-10 AM	3 11-10 AM TO 12-00 PM	4 12-00 PM TO 12-50 PM	12-50 PM TO 01-50 PM	5 01-50 PM TO 02-40 PM	6 02-40 PM TO 03-30 PM	7 03-30 PM TO 04-20 PM
MON	CS	AWP	ICA	ICA		VLSID	DCS	PEHV
TUE	DCS	VLSID	VLSID	AWP		ICA	AWP	PEPS
WED	AWP	AWP	DCS	CS		ICA/DCS LAB		
THU	DCS	DCS	ICA	VLSI	LUNCH	PEHV	ICA	CS
FRI	ICA	CS	CS	DCS		AWP (T)	VLSID	COUNSELLING
SAT	VLSID	ICA/DCS LAB				CS	PEPS	PEPS

Subject Abbreviation	Subject Name	Subject Code	Name of the Faculty	Contact Hrs/Week
AWP	Antennas and Wave Propagation	20APC0413	N.Dilip Kumar	6
DCS	Digital Communication Systems	20APC0414	V.Vijaya Lakshmi	6
ICA	Integrated Circuits and Applications	20APC0415	T.Anuradha	6
CS	Control Systems	20APC0213	T.Naveen Kumar	6
VLSID	VLSI Design	20APE0401	J.Haritha	6
DCS LAB	Digital Communication Systems Laboratory	20APC0416	V.Vijaya Lakshmi, J.Gurunadhan, K.S Deveswari	3
ICA LAB	Integrated Circuits and Applications Laboratory	20APC0417	T.Anuradha, A.S.Lavanaya, S.Selvan,G.Anitha Rani	3
PEPS	Principles of Effective Public Speaking	20AHE9902	M.Nirmala Rani	3
PEHV	Professional Ethics and Human Values	20AMC9904	P.Krishna veni	2
	Counselling			1

Note: Faculty is authorised to conduct 1 Period per week as tutorial class in the given number of periods

Head of the Department

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RENIGUNTA (M), TIRUPATI-517 520

Annamacharya Institute of Technology and Sciences
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Department of Electronics and Communication Engineering

B.Tech III year I sem

Tutorial Attendance for Antennas and Wave propagation subject

SNO	ROLL NUMBER	NAME OF THE CANDIDATE
1	20AK1A0401	ABHINAV REDDY B
2	20AK1A0402	ABHIVANDANA A
3	20AK1A0403	AKBAR BASHA T
4	20AK1A0404	AKHILARAM C
5	20AK1A0405	AKSHITHA M
6	20AK1A0406	ANOOSHA M
7	20AK1A0407	ANUSHA N
8	20AK1A0408	APPALANAIDU V
9	20AK1A0409	ASWINI K
10	20AK1A0410	AVINASH J
11	20AK1A0411	AYISHA E
12	20AK1A0412	BAHUDDIN T
13	20AK1A0413	BALAJI B
14	20AK1A0414	BHARATH K
15	20AK1A0415	BHAVITHA B
16	20AK1A0416	BHEEMA B
17	20AK1A0417	BILALDEEN SHAIK M
18	20AK1A0419	CHIRUSAI B
19	20AK1A0420	DEEPTHI B
20	20AK1A0423	DINESH K
21	20AK1A0424	DIVYA K
22	20AK1A0425	DIVYA TEJA N
23	20AK1A0426	DWARAKANATH K
24	20AK1A0427	GANESH M
25	20AK1A0428	GANESH S
26	20AK1A0429	GAYATHRI C
27	20AK1A0430	GAYATHRI V
28	20AK1A0431	GNANA PRASUNA S
29	20AK1A0432	GOWTHAMI C

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30	20AK1A0433	GURUMADHAVI K
31	20AK1A0434	HAREESWAR N
32	20AK1A0435	HARISH KUMAR G
33	20AK1A0436	HARSHITA D
34	20AK1A0437	HIMA TEJA S
35	20AK1A0438	HUSSAIN VALI S
36	20AK1A0439	INDU A
37	20AK1A0441	JAHNAVI C
38	20AK1A0442	JAITHRA Y
39	20AK1A0443	JEEVANA S
40	20AK1A0444	JOSHITH NAG K
41	20AK1A0445	JYOTHI K
42	20AK1A0446	JYOTHI M
43	20AK1A0447	KALYAN SAI T
44	20AK1A0448	KALYANI N
45	20AK1A0451	KAVERI B
46	20AK1A0452	KEERTHI REDDY A
47	20AK1A0453	KIRANMAYEE P
48	20AK1A0454	LAKSHMI SRINIVAS D R
49	20AK1A0455	LALITHA K
50	20AK1A0456	LALITHYA REDDY A
51	20AK1A0457	LOHITHA N
52	20AK1A0458	LOKESH N
53	20AK1A0460	MADHURI K
54	20AK1A0461	MANASA K
55	20AK1A0462	MANOJ M
56	20AK1A0463	MASTAN BI K
57	20AK1A0464	MOHAN KRUSHNA M
58	20AK1A0465	MOUNIKA V
59	20AK1A0466	SHAIK MAHAMMAD SHAREEF
60	20AK1A0467	NANDA KISHORE S
61	20AK1A0468	PAVAN SAI G
62	20AK1A0469	ROHITH REDDY K
63	20AK1A0470	PAUL MAHESH REDDY K
64	20AK1A0471	NANDHITHA REDDY G
65	20AK1A0472	NANDINI K

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66	20AK1A0473	NIKHIL B
67	20AK1A0474	NIKHIL C
68	20AK1A0475	PRADEEP KUMAR B
69	20AK1A0476	PRANEETHA G
70	20AK1A0478	PRIYANKA M
71	20AK1A0479	PRUDVI A
72	20AK1A0480	RAGHUNATH M
73	20AK1A0482	RAJASEKHAR N
74	20AK1A0483	RAJU C
75	20AK1A0484	RAKESH S
76	20AK1A0485	REDDY YAMINI P
77	20AK1A0486	SADA G
78	20AK1A0487	SAHITYA G
79	20AK1A0488	SAI CHARAN T
80	20AK1A0489	SAI KIRAN Y
81	20AK1A0490	SAI MEGHANA P
82	20AK1A0491	SAI SUDEEP K
83	20AK1A0492	SAI VARSHITH K
84	20AK1A0494	SANDEEP KUMAR P
85	20AK1A0495	SANGEETHA N
86	20AK1A0496	SANTHIPRIYA K
87	20AK1A0497	SANTHOSH RAJ P
88	20AK1A0498	SARATH B
89	20AK1A0499	SASI VARDHAN REDDY K
90	20AK1A04A0	SESHIDHAR S
91	20AK1A04A1	SHAIK SAMEER
92	20AK1A04A2	SHASHANKA P
93	20AK1A04A3	SIVARAMAKRISHNA N
94	20AK1A04A4	SNEHITHA T
95	20AK1A04A5	SRAVANI B
96	20AK1A04A6	SRAVANI K
97	20AK1A04A7	SRILEKHA V
98	20AK1A04A8	SUDHEER G
99	20AK1A04A9	SUMANTH K
100	20AK1A04B0	SUPRIYA C
101	20AK1A04B1	SURYA THEJ T

N. Rajpalalka

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Dept. of Electronics & Communication Engg

Annamacharya Institute of

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102	20AK1A04B2	TEJA B
103	20AK1A04B3	TEJA SREE N
104	20AK1A04B4	VAISHNAVI N
105	20AK1A04B5	VAMSI D
106	20AK1A04B6	VAMSI K
107	20AK1A04B7	VAMSI KRISHNA T
108	20AK1A04B8	VANDANA T
109	20AK1A04B9	VARSHINI N
110	20AK1A04C0	VASANTHI A
111	20AK1A04C1	VELUGONDA REDDY M
112	20AK1A04C2	VEMABINDU P
113	20AK1A04C3	VENKATA BALA SATHISH P
114	20AK1A04C4	VENKATA MOHANA PRIYA P
115	20AK1A04C5	VENKATA SAI SUKUMAR B
116	20AK1A04C6	VENKATA SIVA CHAITANYA M
117	20AK1A04C7	VENKATAKALYAN R
118	20AK1A04C8	VIDYA SAGAR M
119	20AK1A04C9	VIJAY KUMAR A
120	20AK1A04D0	VIJITHA P
121	20AK1A04D1	VIKINDRA REDDY P
122	20AK1A04D2	VINAY KUMAR REDDY P
123	20AK1A04D3	VINUHYA S
124	20AK1A04D4	YAMINI M
125	20AK1A04D5	YASHASWINI MURTHY K
126	20AK1A04D6	YASWANTH REDDY R
127	20AK1A04D7	YASWANTHI G
128	20AK1A04D8	YASWITHA V
129	21AK5A0401	ARUN KUMAR A
130	21AK5A0402	BHANU PRAKASH M
131	21AK5A0403	BHARATH T
132	21AK5A0404	BHAVANA B
133	21AK5A0405	BOBBY G
134	21AK5A0406	DEVI CHAND P
135	21AK5A0407	DILEEP M
136	21AK5A0408	DILIP S
137	21AK5A0409	DIVYA N

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138	21AK5A0410	GOVARDHAN V
139	21AK5A0411	GOVARDHANA B
140	21AK5A0412	GOWTHAMI M
141	21AK5A0413	GURU PRASAD A
142	21AK5A0414	HARSHITHA A
143	21AK5A0415	HARSHITHA K R
144	21AK5A0416	HARSHITHA V
145	21AK5A0417	KALPANA V
146	21AK5A0418	MUVAN TEJA E
147	21AK5A0419	Nageswar raju K
148	21AK5A0420	SAI DINESH R
149	21AK5A0421	PRADEEP KUMAR REDDY S
150	21AK5A0422	Pradeep S
151	21AK5A0423	RAGHAVA ROYAL L
152	21AK5A0424	SAI SWARUPA P
153	21AK5A0425	SAI THANUSREE P
154	21AK5A0426	SAILAJA N
155	21AK5A0427	SANJEEV M
156	21AK5A0428	SATVIKA P
157	21AK5A0429	SHAIK ZAFFERUDDIN
158	21AK5A0430	SIVA KUMAR K
159	21AK5A0431	SUCHARITHA M
160	21AK5A0433	TARUN KUMAR M
161	21AK5A0434	THANUSH T
162	21AK5A0435	USHASRI V
163	21AK5A0436	Veera Babu R
164	21AK5A0437	VENKATA AKHIL D
165	21AK5A0438	VENKATRAMANAN G
166	21AK5A0439	VISHNUVARDHAN A
167	21AK5A0440	YASHASWINI A
168	21AK5A0441	VIKRAM N
169	21AK5A0442	MAHITH C
170	21AK5A0443	BALAJI M
171	21AK5A0444	MADHURI N
172	21AK5A0445	CHARAN KUMAR G
173	17AK1A0449	MEGHANA B (RJ_21)

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138	21AK5A0410	GOVARDHAN V
139	21AK5A0411	GOVARDHANA B
140	21AK5A0412	GOWTHAMI M
141	21AK5A0413	GURU PRASAD A
142	21AK5A0414	HARSHITHA A
143	21AK5A0415	HARSHITHA K R
144	21AK5A0416	HARSHITHA V
145	21AK5A0417	KALPANA V
146	21AK5A0418	MUVAN TEJA E
147	21AK5A0419	Nageswar raju K
148	21AK5A0420	SAI DINESH R
149	21AK5A0421	PRADEEP KUMAR REDDY S
150	21AK5A0422	Pradeep S
151	21AK5A0423	RAGHAVA ROYAL L
152	21AK5A0424	SAI SWARUPA P
153	21AK5A0425	SAI THANUSREE P
154	21AK5A0426	SAILAJA N
155	21AK5A0427	SANJEEV M
156	21AK5A0428	SATVIKA P
157	21AK5A0429	SHAIK ZAFFERUDDIN
158	21AK5A0430	SIVA KUMAR K
159	21AK5A0431	SUCHARITHA M
160	21AK5A0433	TARUN KUMAR M
161	21AK5A0434	THANUSH T
162	21AK5A0435	USHASRI V
163	21AK5A0436	Veera Babu R
164	21AK5A0437	VENKATA AKHIL D
165	21AK5A0438	VENKATRAMANAN G
166	21AK5A0439	VISHNUVARDHAN A
167	21AK5A0440	YASHASWINI A
168	21AK5A0441	VIKRAM N
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170	21AK5A0443	BALAJI M
171	21AK5A0444	MADHURI N
172	21AK5A0445	CHARAN KUMAR G
173	17AK1A0449	MEGHANA B (RJ_21)

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2.2.1 - ECE - File No. 3.

Name :- k. Gurumadhavi

Roll No :- 20AK1A0433

Sub :- AWP

Sec :- ECE, I

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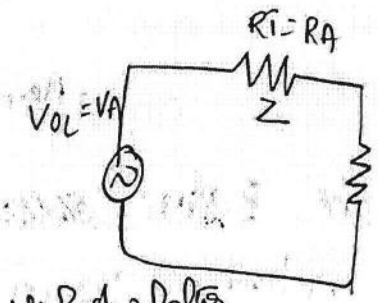
↳ Different types of Antenna Apertures

There are four types of Antenna Aperture

1) Scattering Aperture (A_s)
2) Loss Aperture (A_L)
3) Collecting Aperture (A_c)
4) physical Aperture (A_p)

1) Scattering Aperture (A_s): It is defined as ratio received by radiation resistance to average power produced at point

Let $A_s = \frac{I^2_{rms} R_{rad}}{P_{avg}}$ — (1)



From circuit

$$I_{rms} = \frac{V_A}{\sqrt{(R_L+R_A)+(X_L+X_A)^2}} \quad \text{— (2)}$$

Apply (2) in (1)

$$(1) \Rightarrow A_s = \left(\frac{V_A}{\sqrt{(R_L+R_A)+(X_L+X_A)^2}}\right)^2 \frac{R_{rad}}{P_{avg}}$$

$$A_s = \frac{V_A^2 \cdot R_{rad}}{((R_L+R_A)^2+(X_L+X_A)^2) \times P_{av}}$$

maximum power transfer condition

(i) $R_L = R_A = R_{rad}$.

(ii) $R_{loss} = 0$, $X_L = -X_A$

$$D = G_{Dmax} = \frac{P_{dmax}}{\frac{P_{rad}}{4\pi r^2}}$$

the directivity can alternatively defined as

$$D = G_{Dmax} = \frac{U_{max}}{U_{avg}} = \frac{4\pi U_{max}}{P_{rad}}$$

$$D = \frac{41253^{\circ}}{\phi^{\circ}_{1p}\theta^{\circ}_{1p}}$$

Directive Gain is defined as the ratio of the power ansity $P_a(\theta,\phi)$ to the average radiated power or isotropic antenna, directive gain is unity.

$$G_D(\theta,\phi) = \frac{U(\theta,\phi)}{U_{avg}} = \frac{4\pi U(\theta,\phi)}{P_{rad}}.$$

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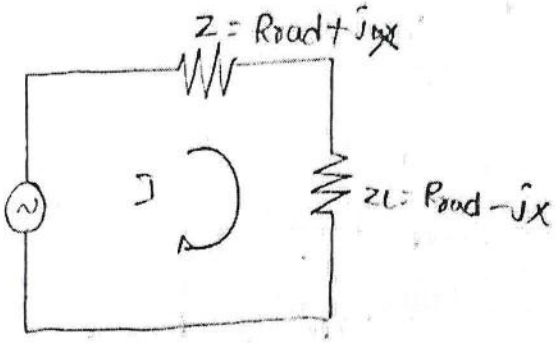
Effective Apperture (or) effective Area (Ae):

Circuit diagram



It is defined as the ratio of power received in the load to average power density produced at the point

$$\text{Let } Ae = \frac{P_{received}}{P_{avg}} \ m^2 \quad \text{---} (1)$$

voltage induced,

$$V_{OC} = EdL \quad \text{---} (2)$$

also current

$$I = \frac{V_{OC}}{Z+Z_L} \quad [\because \text{using ohms law}] \rightarrow (3)$$

Sub, $Z = R_{rad} + jX$

$Z_L = R_{rad} - jX$

$$(3) \rightarrow I = \frac{V_{OC}}{[R_{rad}+jX] + [R_{rad}-jX]}$$

$$I = \frac{V_{OC}}{2R_{rad} + jX - jX}$$

$$I = \frac{V_{OC}}{2R_{rad}} \quad \text{---} (4)$$

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(3) Collecting Aperture (Ac): the collecting Apperture is sum of effective apperture scattering apperture and apperture.

Let $A_C = A_e + A_s + A_L$

$$A_C = \left[\frac{I^2_{rms} \cdot R_L}{P_{avg}} \right] + \left[\frac{I^2_{rms} R_{oad}}{P_{avg}} \right] + \left[\frac{I^2_{rms}}{R} \right.$$

$$A_C = \frac{I^2_{rms} \left[R_L + R_{oad} + R_{coss} \right]}{P_{avg}} \quad -(e)$$

(4) physical Apperture (Ap):- It is defined as the physical cross section of an antenna Normal to direction of propagation of electro magnetic wa towards an antenna which is set for maximum response.

i.e., $A_p = A_e$.

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* Define Beam Area:-

↳ Beam area or Beam solid angle is expressed in steradian

↳ Beam area denoted by Ω_A

↳ It is defined as the integral of normalized po pattern over a sphere

↳ It is denoted by

$$\Omega_A = \int_{\phi=0}^{2\pi} \int_{\theta=0}^{\pi} P_{dn}(\theta, \phi) \sin\theta \, d\theta \, d\phi$$

But $d\Omega = \sin\theta \, d\theta \, d\phi$

↳ Beam area $\Omega_A = \int_{\phi=0}^{2\pi} \int_{\theta=0}^{\pi} P_{dn}(\theta, \phi) \, d\Omega$ steradian

7) Antenna input impedance
8) Effective length
9) Effective Aperture
10) Antenna Temperature
11) Antenna polarization

↳ Define Antenna effective height:-

The term effective height or effective length of antenna represents the effectiveness of an antenna radiator or collector of electromagnetic wave. In other words, effective length indicates how antenna is effective in transmitting or receiving the for practical antenna.

$$L_{eff} = \frac{1}{I_m} \int_{-l/2}^{l/2} I(z)\, dz$$

for Receiving antenna   N. Pushpalatha

~~$L_{eff} = 1/I_m$~~

$$L_{eff} = \frac{\text{open circuited voltage}}{\text{Incident electric field intensity}} = \frac{V_{oc}}{E_i}$$

$$l_e = V/E \text{ m (or) } \lambda$$

↳ Define Directivity and Gain of an Antenna:-

↳ The ratio of the maximum power density to the average power radiated is called maximum directive gain (or) "directivity of the antenna"

↳ It is denoted as G_{Dmax} (or) D

$\eta_0 = 120\pi$

$R_{rad} = 80\pi^2 \left(\frac{dl}{\lambda}\right)^2$

(7) $\Rightarrow A_{em} = \frac{dl^2 (120\pi)}{4\left[80\pi^2 \left(\frac{dl}{\lambda}\right)^2\right]}$

$A_{em} = \frac{dl^2 \times 120\pi}{320\pi^2 \frac{dl^2}{\lambda^2}}$

$A_{em} = 3/8 \left(\frac{\lambda^2}{\pi}\right) (or) = 0.375 \left(\frac{\lambda^2}{\pi}\right) \rightarrow (8)$

(or)

$A_{em} \cdot G_{Dmax} \frac{\lambda^2}{\pi} \rightarrow (9)$

Define Beam ~~area~~ width?

↳ Antenna Beam width is measure of the directivity of the Antenna

↳ It is defined as the angular width in degrees b/w two points on major of a radiation pattern where radiated power decreases to half of its max value

$D = \frac{4\pi}{\Omega_A} \rightarrow (1)$

(or)

$D = \frac{4\pi}{B} \rightarrow (2)$

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where

$B = \theta_E \theta_H$

W.K.T

$1\,rad = \frac{180^\circ}{\pi} \cong 57.3^\circ$

$\Rightarrow D = \frac{4\pi (57.3^\circ)^2}{\theta E^\circ \times \theta H^\circ}$

In General

$P_R = I^2_{rms} R_{load}$

$$P_R = \left(\frac{\left(\frac{V_{oc}}{R_{load}} \right)}{\sqrt{2}} \right)^2_{R_{load}}$$

$$P_R = \left(\frac{V_{oc}^2}{4 \times 2 \times R^2_{load}} \right) R_{load}$$

$$P_R = \frac{V_{oc}^2}{8 R^2_{load}} \times R_{load}$$

$$P_R = \frac{V_{oc}^2}{8 R_{load}} \quad -(5)$$

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Sub value of V_{oc} in (5)

(5) $\rightarrow$ $P_R = \frac{|\epsilon|^2 dL^2}{8 R_{load}}$ [$\because$ using (1)] $-(6)$

max effective Aperture.

$$\eta_{em} = \frac{P_{R_{max}}}{P_{avg}}$$

$$\eta_{em} = \frac{\left(\frac{\epsilon^2 dL^2}{8 R_{load}} \right)}{\frac{1}{2} \epsilon^2 / \eta_0}$$

Since $P_{avg} = \frac{1}{2} \epsilon^2 / \eta_0$

$$\eta_{em} = \frac{dL^2 \eta_0}{4 R_{load}} \quad -(7)$$

Sub η_0, R_{load} value in (7)

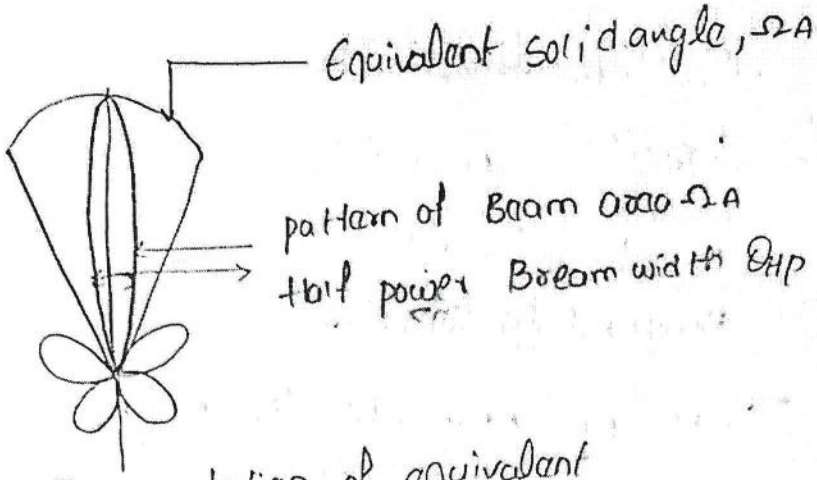

fig:- Representation of equivalent solid angle

The Beam area can be defined as

$$\text{Beam area} = \Omega_A$$

$$\boxed{\Omega_A = \theta_{HP}\, \phi_{HP} \text{ steradian}}$$

where

θ_{HP} - } Half power Beam width.
ϕ_{HP} - }

what are the Antenna parameters:-

> An antenna is the basic fundamental component of the Communication system

> Typical parameters of Antenna are-

1) Radiation pattern
   a) field radiation pattern
   b) power radiation pattern
2) Radiation intensity
3) Directive Gain and Directivity
4) power Gain.
5) Antenna Beam width.
6) Antenna Band width.

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(3) $\Rightarrow$ $A_S = \dfrac{V_A^2 \, R_{oad}}{[[R_{oad} + R_{oad}]^2) P_{avg}}$

$$A_S = \frac{V_A^2 \cdot R_{oad}}{4 R_{oad}^2 \cdot P_{avg}}$$

$$A_S = \frac{V_A^2}{4 \cdot R_{oad} \cdot P_{avg}} \quad \text{---(4)}$$

Also

$$\beta = \frac{A_S}{A_L} \rightarrow (5) \quad [\because \beta = \text{Scattering ratio}]$$

i) Loss Apperture (A_L) :- It is defined as power dissipated by the loss resistance of an Antenna to avg power density at the point of an antenna

$$A_L = \frac{I_{rms}^2 \cdot R_{loss}}{R_{avg}} \quad \text{---(1)}$$

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$$I_{rms} = \frac{V_A}{\sqrt{(R_L + R_A)^2 + (X_L + X_A)^2}} \quad \text{---(2)}$$

Apply (2) in (1)

$$A_L = \frac{V_A^2 \, R_{loss}}{\left[\sqrt{(R_L + R_A)^2 + (X_L + X_A)}\right]^2 \times P_{avg}}$$

Here

$$R_A = R_{oad} + R_{loss}$$

$\Rightarrow$

$$A_L = \frac{V_A^2 \cdot R_{loss}}{[(R_L + R_{oad} + R_{loss}]^2 + (X_L + X_A)^2] P_{avg}} \quad \text{---(3)}$$

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Department of Electrical & Electronics Engineering

20.10.22

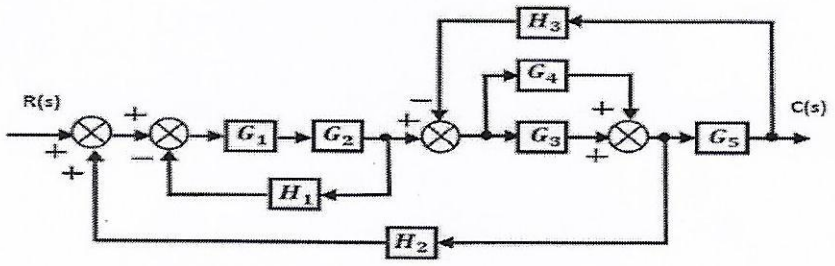
CIRCULAR

Tutorial Session for the following slow learners in the subject of Control Systems (20APC0213) is planned to be conducted on 29/10/2022 from 2:40pm to 4:20pm.The problems as listed below will be taken up for tutoring .The tutorial session faculty incharges are Mr. S. Paul Clement & Mrs. R. Madhavi

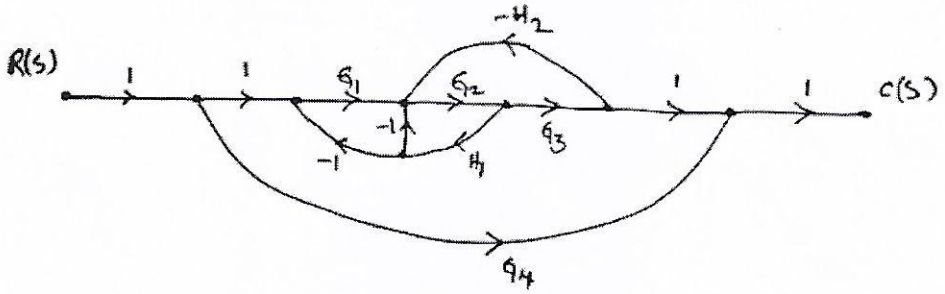
S.No	Name of the Student	Roll.No
1.	C.HARSHA VARDHAN	20AK1A0207
2.	G. HEMANTH	20AK1A0209
3.	V. RAVI KUMAR	20AK1A0221
4.	K. RUPESH	20AK1A0223
5.	R.S. TULASI RAM	20AK1A0232
6.	K. VAMSI SREENIVAS	20AK1A0233
7.	G.S. VIJAYA LAKSHMI	20AK1A0238
8.	M. CHANDRIKA	20AK5A0204

Problems for tutorial:

1. Using block diagram reduction technique, find the transfer function for the system shown below.



2. Find the overall gain C(S)/R(S) for the signal flow graph shown in figure.



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S.No	Roll.No	Name of the Student	Performance of the Tutorial	Signature of the Student
1.	20AK1A0207	C.HARSHA VARDHAN	Redo	C.Harsha Vardhan
2.	20AK1A0209	G. HEMANTH	Redo	G. Hemanth
3.	20AK1A0221	V. RAVI KUMAR	Average	V. Ravi Kumar
4.	20AK1A0223	K. RUPESH	Good	K. Rupesh
5.	20AK1A0232	R.S. TULASI RAM	Average	Tulasi Ram
6.	20AK1A0233	K. VAMSI SREENIVAS	Good	Vamsi Sreenivas
7.	20AK1A0238	G.S. VIJAYA LAKSHMI	Good	G.S. Vijaya Lakshmi
8.	20AK5A0204	M. CHANDRIKA	Good	Chandrika

S. Paul Clement
(S. Paul Clement)

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Department of Electrical & Electronics Engineering

Date: 26-11-2022

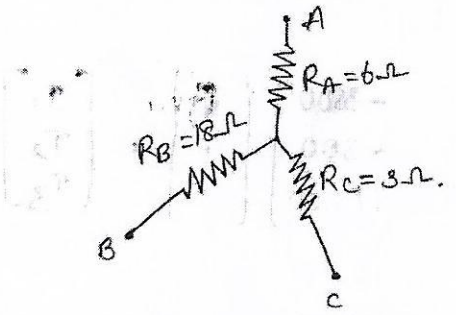
CIRCULAR

Tutorial Session for the following slow learners in the subject of Electrical Circuits-I (20APC0201) is planned to be conducted on 26/11/2022 from 2:40pm to 4:20pm.The problems as listed below will be taken up for tutoring .The tutorial session faculty incharges are Mr. T. Naveen Kumar & Mr.S.Siva Prasad

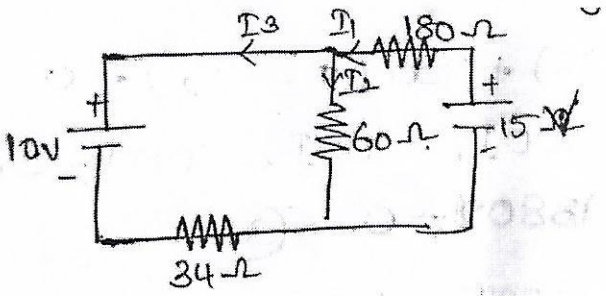
S.No	Name of the Student	Roll.No
1.	P.ANIL	21AK1A0203
2.	P.HARIKA	21AK1A0211
3.	N.MOHINISH REDDY	21AK1A0223
4.	B.MOHITH	21AK1A0224
5.	K.NAGAMUNI VENKATA SAI	21AK1A0225
6.	RAMU MADHAN	21AK1A0231
7.	D.SIVA PRASAD	21AK1A0239
8.	K.SREEJA	21AK1A0242

Problems for tutorial:

1. Convert Star To Equivalent Delta For The Network Shown In Below.



2.Find the currents I_1 ,I_2 and I_3 for the below circuit by using nodal analysis.



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2.	21AK1A0211	P.HARIKA	Average	P. Harika
3.	21AK1A0223	N.MOHINISH REDDY	Average	
4.	21AK1A0224	B.MOHITH	Good	B Mohith
5.	21AK1A0225	K.NAGAMUNI VENKATA SAI	Good	K.N.M.V.Sai
6.	21AK1A0231	RAMU MADHAN	Redo	Ramumadhan
7.	21AK1A0239	D.SIVA PRASAD	Average	D.Sivaprasad
8.	21AK1A0242	K.SREEJA	Good.	K.Sreeja

T.Naveen Kumar

Faculty In charge:

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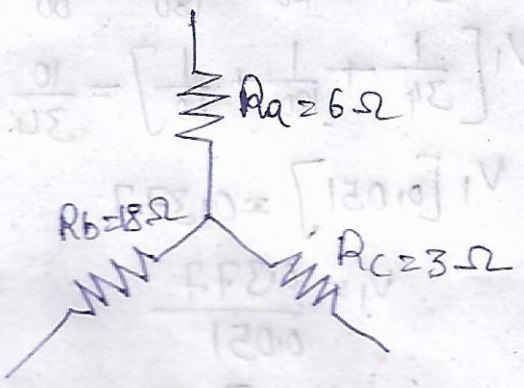
EC-1 P. Anil
21AKIA0203

① Convert star to delta ?



$$R_1 = \frac{R_A R_B + R_B R_C + R_C R_A}{R_C}$$

Here $R_A = 6\Omega$, $R_B = 18\Omega$, $R_C = 3\Omega$

$$R_1 = \frac{6\times18 + 18\times3 + 3\times6}{3}$$

$$\boxed{R_1 = 60\Omega}$$

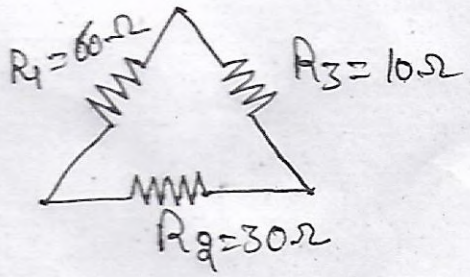
$$R_2 = \frac{R_A R_B + R_B R_C + R_C R_A}{R_A}$$

$$= \frac{6\times18 + 18\times3 + 3\times6}{6}$$

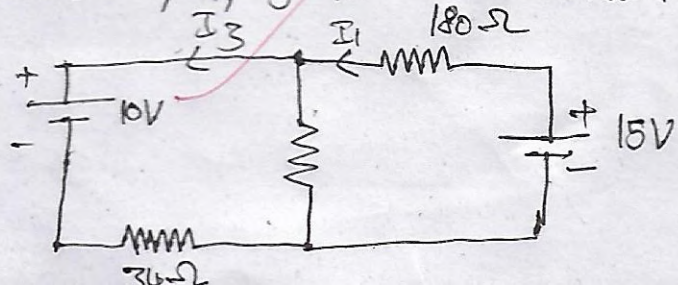
$$\boxed{R_2 = 30\Omega}$$

$$R_3 = \frac{R_A R_B + R_B R_C + R_C R_A}{R_B} = \frac{6\times18 + 18\times3 + 3\times6}{18}$$

$$\boxed{R_3 = 10\Omega}$$



② Find the currents i_1, i_2, i_3 for the circuit shown in below



A) Apply KCL at Node (1)

$$\frac{V_1-10}{34}+\frac{V_1-15}{180}+\frac{V_1}{60}=0$$

$$\frac{V_1}{34}-\frac{10}{34}+\frac{V_1}{180}-\frac{15}{180}+\frac{V_1}{60}=0$$

$$V_1\left[\frac{1}{34}+\frac{1}{180}+\frac{1}{60}\right]=\frac{10}{34}+\frac{15}{180}$$

$$V_1[0.051]=0.377$$

$$V_1=\frac{0.377}{0.051}$$

$$V_1=7.39V$$

$$I_1=\frac{15-V_1}{180}=\frac{15-7.39}{180}=0.042 \text{ Amps}$$

$$I_2=\frac{V_1}{60}=\frac{7.39}{60}=0.123 \text{ Amps}$$

$$I_3=\frac{V_1-10}{34}=\frac{7.39-10}{34}=-0.07 \text{ Amps}$$

Good
Thank You

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Department of Humanities and Basic Sciences

CIRCULAR

Tutorial Session for the following slow learners of I EEE in the subject of Differential Equations and Vector Calculus(20ABS9906) is planned to be conducted on 16/06/2022 from 2:40pm to 4:20pm.The problems as listed below will be taken up for tutoring .The tutorial session faculty incharges are Dr V.K.S.Srinivas, Dr B.Aruna Kumari and Dr P.Krishnaveni

S.No	Name of the Student	Roll.No
1.	P.GURUSH	21AK1A0210
2.	C.MOHAN KUMAR	21AK1A0218
3.	N.MOHINISH REDDY	21AK1A0223
4.	B.MOHITH	21AK1A0224
5.	S.PREM SAI	21AK1A0228
6.	G. RAMU MADHAN	21AK1A0231
7.	G.SRAVANI	21AK1A0240
8.	K.SRAVANI	21AK1A0241

Problems for tutorial:

1.Find the complementary function for the following Differential equation.

(a). $(4D^2+4D+1)Y=0$

(b). $(D^2-4D-7)Y=0$

2.Find the general solution of the following

(a) .$(D^2+6D+4)Y=0$

(b). $(D^2-D+8)=0$

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ATTENDANCE:

S.No	Roll.No	Name of the Student	Performance of the Tutorial	Signature of the Student
1.	21AK1A0210	P.GURUSH	Average	P. GURUSH.
2.	21AK1A0218	C.MOHAN KUMAR	good	C. mohan kumar
3.	21AK1A0223	N.MOHINISH REDDY	good	
4.	21AK1A0224	B.MOHITH	below average	B. Mohith.
5.	21AK1A0228	S.PREM SAI	Average.	S. PREM SAI
6.	21AK1A0231	G. RAMU MADHAN	good	G. Ramu
7.	21AK1A0240	G.SRAVANI	very good	G. Sravani
8.	21AK1A0241	K.SRAVANI	below average.	K. Sravani

B. Aruna kumari
P. Kishori

Faculty In charge:

HOD

HEAD
Dept. of Humanities & Basic Sciences
Annamacharya Institute of
Technology & Sciences, Tirupati-517

P. Gurush
Roll NO: 21AK1A0210
Branch: I EEE
Date : 16/06/22
Sub : DEVC.

1. Find complementary function for the following differential equation

a) $(4D^2+4D+1)y=0$

Given equation is

$(4D^2+4D+1)y=0$

Let $f(D) = (4D^2+4D+1)y$

A.E is $f(m) = 4m^2+4m+1=0$

Performance Average

$$= \frac{-b \pm \sqrt{b^2-4ac}}{2a}$$

$$= \frac{-4 \pm \sqrt{(4)^2-4(4)(1)}}{2(4)}$$

$$= \frac{-4 \pm \sqrt{16-16}}{8}$$

$$= \frac{-4 \pm \sqrt{0}}{8}$$

$$= \frac{-4}{8}, \frac{-4}{8}$$

$$m = -\frac{1}{2}, -\frac{1}{2}$$

Complementary function $y_c = e^{-x/2}(C_1+C_2x)$

b. $(D^2-4D-7)y=0$

Given equation is

$(D^2-4D-7)y=0$

Let $f(D) = (D^2-4D-7)$

A.E is $f(m) = m^2-4m-7=0$

$$m = \frac{4 \pm 2\sqrt{11}}{2}$$

$$m = 2 \pm \sqrt{11}$$

$$m = 2 - \sqrt{11}, \quad m = 2 + \sqrt{11}$$

complementary function $= c_1 e^{(2-\sqrt{11})x} + c_2 e^{(2+\sqrt{11})x}$

2. Find G.S of the following

a $(D^2 + 6D + 4)y = e^{3x}$

Given equation is

$(D^2 + 6D + 4)y = e^{3x}$

$f(D) = (D^2 + 6D + 4) = 0$

A.E is $f(m) = m^2 + 6m + 4 = 0$

$$m = \frac{-6 \pm \sqrt{20}}{2}$$

$$m = \frac{-6 \pm 2\sqrt{5}}{2}$$

$$m = \frac{-3 \pm \sqrt{5}}{2}$$

$$m = \frac{-3 + \sqrt{5}}{2}, \quad m = \frac{-3 - \sqrt{5}}{2}$$

complementary function $= c_1 e^{\left(\frac{-3+\sqrt{5}}{2}\right)x} + c_2 e^{\left(\frac{-3-\sqrt{5}}{2}\right)x}$

$$P.I = \frac{e^{ax}}{f(D)} = \frac{e^{3x}}{D^2 + 6D + 4}$$

put $D = 4$

$D = 3$

$$= \frac{e^{3x}}{9 + 18 + 4} = \frac{e^{3x}}{31}$$

General solution is

$$y = y_c + y_p = c_1 e^{\left(\frac{-3+\sqrt{5}}{2}\right)x} + c_2 e^{\left(\frac{-3-\sqrt{5}}{2}\right)x} + \frac{e^{3x}}{81}$$

b. $(D^2-D+8)y = \cos 3x$

Given equation is

$(D^2-D+8)y = \cos 3x$

$f(D) = f(m) = 0$

$f(D) = (D^2-D+8) = 0$

A.E is $f(m) = m^2-m+8 = 0$

$$m = \frac{1 \pm \sqrt{1-32}}{2(a)}$$

$$m = \frac{1 \pm \sqrt{31}i}{2}$$

$$m = \frac{1+\sqrt{31}i}{2}, \quad m = \frac{1-\sqrt{31}i}{2}$$

Complementary function $= e^{x/2}(C_1 \cos \sqrt{3}/2 + C_2 \sin \sqrt{3}/2)$

$$P.I = \frac{\cos ax}{f(D)} = \frac{\cos 3x}{D^2-D+8} \qquad D^2 = -9 = -a^2$$

$$\frac{\cos 3x}{-9-D+8} = \frac{\cos 3x}{-D-1}$$

$$= \frac{-\cos 3x}{(D+1)} \cdot \frac{(D-1)}{(D-1)}$$

$$= \frac{-\cos 3x}{(D^2-1)} (D-1)$$

$$= \frac{3 \sin 3x + \cos 3x}{-9-1}$$

$$= \frac{(3 \sin 3x + \cos 3x)}{10}$$

$$P.I = -1\left(\frac{3 \sin 3x + \cos 3x}{10}\right)$$

General solution $y = y_c + y_p$

$$= e^{x/2}(C_1 \cos \sqrt{3}/2 + C_2 \sin \sqrt{3}/2) - \left(\frac{3 \sin 3x + \cos 3x}{10}\right)$$

3. Find General solution of

$(D^2+3D+2)y = e^{-x}+x^2+\cos 3x$

Given equation is

$(D^2+3D+2)y = e^{-x}+x^2+\cos 3x$

$f(D) = (D^2+3D+2)y = e^{-x}+x^2+\cos 3x$

A.E is $f(m) = m^2+3m+2$

$= m^2+2m+m+2=0$

$= m(m+2)+1(m+2)=0$

$m = -1, -2$

complementary function $= C_1e^{-x}+C_2e^{-2x}$

$P.I = \dfrac{e^{-x}+x^2+\cos 3x}{(D^2+3D+2)}$

$= \dfrac{e^{-x}}{D^2+3D+2} + \dfrac{x^2}{(D^2+3D+2)} + \dfrac{\cos 3x}{D^2+3D+2}$

y_{P_1} y_{P_2} y_{P_3}

$y_{P_1} = \dfrac{e^{-x}}{D^2+3D+2} = \dfrac{e^{-x}}{(D+2)(D+1)}$

$= \dfrac{e^{-x}}{(D+2)(-1+1)}$ $D=-1=a$

$= \dfrac{e^{-x}}{0}$ case 1 failure

Case :- 2

$\phi D = D-2$

$\phi(D) = 1$

$\dfrac{e^{-x}}{1} \times \dfrac{x}{1}$

2.2.1 – MBA – Files

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES, TIRUPATI
(Autonomous)
Department of MBA

CIRCULAR

Tutorial Session for the following in the subject of ACCOUNTING FOR MANAGERS (19MBA0104) is planned to be conducted on 04/02/2022 from 2:40pm to 4:20pm.The problems as listed below will be taken up for tutoring .The tutorial session faculty incharges are Ch.Venkateswarlu.

S.No	Name of the Student	Roll.No
1.	BALAIAH G	21AK1E0003
2.	MUNIBHARATHI B	21AK1E0027
3.	SURYA VAMSI M	21AK1E0043
4.	UMAMAHESH C	21AK1E0048
5.	VENKATADRI P	21AK1E0052
6.	VENKATESH C	21AK1E0054
7.	VENKATESH C	21AK1E0055
8.	VENKATESH P	21AK1E0056
9	VENKATESWARLU A	21AK1E0057
10	CHANDU B	21AK1E0062
11	AISHWARYA V	21AK1E0063
12	SAIKIRAN A	21AK1E0064

Problems for tutorial:

1) Prepare Journal from the following transactions:2019
   Nov.01 Govind commenced business with Rs.30,000 incash,furniture Rs.8,000
   Nov.03 Cash deposited into bank Rs.5,200
   Nov.05 Goods purchased from Narayan Rs.16,500
   Nov.08 Sold goods to Mohan for cash Rs.4,800
   Nov.12 Cash borrowed from Mukund Rs.6,000 for office use
   Nov.16 Goods purchased from Hareesh Rs.5,000, trade discount 2%

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Nov.20 Cash from bank for office use Rs.1,300
Nov.22 Goods returned to Narayan Rs.500
Nov.26 Goods purchased for cash Rs.5,000 from Raju.
Nov.30 Paid for salaries Rs.2,000, Rent Rs.1,000, Insurance premiumRs.450

2) 2. From the following Trial Balance of **Nasir & Co.** as on 31st December 2014, you are required toprepare final accounts.

Debit balances:		*Credit Balances:*	
General expenses	5,400	Capital	60,000
Manufacturing expenses	1,500	Provision for doubtful debts	1,000
Manufacturing wages	21,500	Bills payable	4,200
Office rent	2,000	Sundry creditors	14,300
Machinery	28,000	Sales	1,40,500
Furniture	10,000		
Insurance	1,200		
Bills receivable	3,300		
Factory rent	4,000		
Salaries	16,000		
Carriage inward	1,500		
Carriage outward	1,700		
Cash at Bank	4,700		
Sundry debtors	23,500		
Purchases	68,000		
Stock (1st Jan, 2014)	20,500		
Drawings	7,200		
	2,20,000		2,20,000

The following adjustments are required:

- Stock on 31st December 2014 amounted to Rs.27,000.
- Write off Rs.500 as bad debts and maintain the provision for doubtful debts at Rs.1,150.
- Unexpired insurance amounted to Rs.300.
- Sales include Rs.500 worth of goods which were taken by the Proprietor.
- Depreciate machinery by 10% and furniture by 5%.

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ATTENDANCE:

S.No	Roll.No	Name of the Student	Performance of the Tutorial	Signature of the Student
1.	21AK1E0003	BALAIAH G	Avg.	BALAIAH
2.	21AK1E0027	MUNIBHARATHI B	Avg	Munibharathi
3.	21AK1E0043	SURYA VAMSI M	Good	Surya
4.	21AK1E0048	UMAMAHESH C	good	Umamahesh. C
5.	21AK1E0052	VENKATADRI P	Good	Venkatadri
6.	21AK1E0054	VENKATESH C	good	C.Ve Sh
7.	21AK1E0055	VENKATESH C	good	Venkatesh.
8.	21AK1E0056	VENKATESH P	good	Venkat
9	21AK1E0057	VENKATESWARLU A	Good	Venkat
10	21AK1E0062	CHANDU B	Good	B. Chandu
11	21AK1E0063	AISHWARYA V	Good	Aishwa
12	21AK1E0064	SAIKIRAN A	Good	SAIKiran.

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Technology & Sciences, TIRUPATI-517

21AKIE0063
Aishwarya. V
1st Year 1st sem

Date	Particulars	L/F	Debit ₹	Credit ₹
2019 NOV-1	cash a/c ——Dr		30,000	
	furniture a/c ——Dr		8000	
	To Govind capital a/c			38000
	(Govind commenced business)			
NOV-3	Bank a/c ——Dr		52000	
	To cash a/c			52000
	(Being deposited into the bank)			
NOV-5	Narayana a/c ——Dr		1,65,000	
	To purchase a/c			1,65,000
	(Being goods are purchased from narayana)			
NOV-8	sales a/c ——Dr		4800	
	To cash a/c			4800
	(Being goods are sold for cash to mohan)			
NOV-12	Cash a/c ——Dr		6000	
	To mukund a/c			6000
	(Being cash is borrowed from mukund for office use)			
NOV-16	Hareesh a/c ——Dr		4000	
	Discount a/c ——Dr		1000	
	To purchase a/c			5000
	(Being goods are purchased from hareesh & taken the discount			

NOV-20	cash a/c ——Dr	1300	
	To Bank a/c		1300
	(Being received cash from Bank)		
NOV-22	purchase returns a/c ——Dr	500	
	To narayana a/c		500
	(Being goods are returned)		
NOV-26	cash a/c ——Dr	5000	
	To purchases a/c		5000
	(Being goods are purchased on cash)		
NOV-30	salaries a/c ——Dr	2000	
	Rent a/c ——Dr	1000	
	Insurance premium a/c ——Dr	450	
	To cash a/c		3450
	(Being paid salaries, Rent & Insurance premium)		

Nasir & co. Trading and Profit & loss a/c for the year ending 31 December 2014.

Dr | Cr

Particulars		Rs	Particulars	Rs
		20500	By sales 140500	
To stock		68000	(-) Drawings 500	
To purchases				140000
To manufacturing Expenses		1500	By closing stock	27000
To manufacturing wages		21500		
To factory Rent		4000		
To carriage inwards		1500		
To Gross profit		50,000		
		167000		167000
			By Gross profit	50,000
To General Expenses		5400		1000
To office rent		2000	By P & L a/c	
To Insurance	1200			
(-) un expired	300	900		
To salaries		16000		
To dep on machinery		2800		
To Dep on furniture		800		
To Bad debts		500		
To doubtful debts		1150		
		21750		
To net profit				
		51000		51000

Nasir & co Balance sheet for the year ending 31 December 2014

Liabilities		Rs	Assets		As
capital	60000		machinery	28000	
- Drawings 7200			(-) Dep	2800	25200
(+) " 800					
	7700		furniture	10000	
	52300		(-) Depr 5%	800	9500
(+) net profit	21750				
		74050	cash at bank		4700
			Debtors	23500	
Bills payable		4200	(-) Bad debts	500	21850
creditors		14300	(-) doubtful debts	23000	3300
				1150	
			Bills Receivable		300
			unexpired Insurance		
			closing stock		27000
		92800			92500

Good