



G.Pullaiah College of Engineering and Technology

(Autonomous)

(Approved by AICTE, New Delhi | NAAC Accreditation with 'A' Grade |

Accredited by NBA (CSE, ECE & EEE) | Affiliated to JNTUA)

Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

DATE: 06-07-2018

To

The Principal,
GPCET,
Kurnool.


Sir,

Sub: Approval of ADD-ON course for III CE & IV CE Students-Regd

The department of CE requests you to accept the proposal for conducting ADD-ON Course on "Engineering Hydrology" for the odd semester of III & IV year CE students scheduled for the duration of 42 hours. Kindly accept the proposal.

Thanking you sir,

Yours Sincerely


HOD-CE
PRINCIPAL

G.Pullaiah College of Engg & Tech.
Nandikotkur Road, VENKAYAPALLI
KURNOOL-518 452 (A.P)



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Nandikotkur Road, Venkayapalli (V), Kurnool - 518452, Andhra Pradesh

Department Circular –ADD-ON Course

DATE: 07-07-2018

The III year & IV year-I semester CE Students are informed to enroll their names for ADD-ON Course on “**Engineering Hydrology**” with their respective class-in-charges on or before 08-07-2018. The course commences from 9th July and the duration of the course is for 42 hours. The course is conducted from 4 pm to 5 pm regularly.

Bus facility is made available soon after the class work.

HOD-CE

SYLLABUS FOR ADD-ON COURSE ON ENGINEERING HYDROLOGY

DAY	TOPICS
1	Basic concept of Hydrology
2	Test for consistency of rainfall records
3	Hydrologic abstractions
4	Blaney Criddle method
5	classification of streams
6	Extension of stage discharge curve
7	selection of site for stream gauging stations
8	Hydrograph Analysis-Rational method
9	Problem Solving
10	linear reservoir model
11	Evaluation of aquifer parameters
12	Electrical resistivity method
13	Pollution of groundwater
14	Ghyben-Herzberg relationship
15	Problems Solving
16	Artificial recharge of groundwater
17	Design flood and their Estimation
18	Flood frequency studies
19	Flood routing through reservoirs
20	Problems Solving
21	Modified Pulse method
22	Flood routing through channels by Muskingum method
23	Flood control methods
24	Flood forecasting and warning
25	Problems Solving



G PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOG
DEPARTMENT OF CIVIL ENGINEERING
ADDON COURSE SCHEDULE

Date: 16/07/2018

III & IV YEAR – I Semester		
Course	Faculty	Duration
Basic concept of Hydrology	Mr S Venkata Mahesh	2 hours
Test for consistency of rainfall records	Mr S Venkata Mahesh	2 hours
Hydrologic abstractions	Mr S Venkata Mahesh	2 hours
Blaney Criddle method	Mr K Mallikarjuna Reddy	3 hours
classification of streams	Mr K Mallikarjuna Reddy	2 hours
Extension of stage discharge curve	Mr S Venkata Mahesh	2 hours
selection of site for stream gauging stations	Mr K Mallikarjuna Reddy	2 hours
Hydrograph Analysis-Rational method	Mr S Venkata Mahesh	2 hours
Problem Solving	Mr K Mallikarjuna Reddy	2 hours
linear reservoir model	Mr S Venkata Mahesh	2 hours
Evaluation of aquifer parameters	Mr K Mallikarjuna Reddy	3 hours
Electrical resistivity method	Mr S Venkata Mahesh	3 hours
Pollution of groundwater	Mr K Mallikarjuna Reddy	2 hours
Ghyben-Herzberg relationship	Mr S Venkata Mahesh	2 hours
Problems Solving	Mr K Mallikarjuna Reddy	2 hours





G PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY: KURNOOL (Autonomous)

Department of Civil Engineering

The following is the list of the students who have registered Add on Course on “Engineering Hydrology”

IV CE students

S.No	Roll No	Name of the Candidate
1	15AT1A0101	KATTUBADI ABDUL RAHIMAN
2	15AT1A0102	VADDE ANJALI
3	15AT1A0103	AREKANTI BHARATHI
4	15AT1A0104	C.BINDU LEELA
5	15AT1A0105	K CHANDRASEKHAR
6	15AT1A0106	MUGUTHI CHARITHA
7	15AT1A0107	DADI DASTAGIRI
8	15AT1A0108	MALAPALLI DHAMENDRA REDDY
9	15AT1A0109	BARKY HARISH
10	15AT1A0110	MADUGUNDU HEMA
11	15AT1A0112	GOSULA JASWANTH SYAM SUNDAR
12	15AT1A0113	BIJJEM JAYANTH KUMAR
13	15AT1A0114	LAKSHMI MANASA S
14	15AT1A0116	KURUVA LOKESH
15	15AT1A0118	MEDASARI MAHESH
16	15AT1A0119	KOTTUR MANOJ SAI KUMAR
17	15AT1A0120	CHENCHIREDDYGARI MANOJA
18	15AT1A0121	BELUM MANVITH
19	15AT1A0122	SHAIK MOHAMMAD AAFAQ
20	15AT1A0123	GORLA NARMADA
21	15AT1A0125	GOLLA NIKHIL YADAV
22	15AT1A0126	BENCHAPPAGARI PAVAN
23	15AT1A0127	JAWARI POTHIVAL KALYAN
24	15AT1A0128	EDIGA RAJESH GOUD
25	15AT1A0129	GURAJALA RAMA HEMANTH
26	15AT1A0130	BOYA RAMESH
27	15AT1A0131	DUMAVATH SAI KIRAN NAIK
28	15AT1A0132	BALLA SAI PRAVEEN
29	15AT1A0133	POOSALA SAIPRASANNA
30	15AT1A0134	S SAKSHI JAIN
31	15AT1A0135	SHAIK SHAFI AHMED
32	15AT1A0136	SYED SHAGUFTA NAVEED
33	15AT1A0137	SHAIK SHAHID AFRIDI
34	15AT1A0138	G SHIRISHA

35	15AT1A0140	ARAVA SRISAILAM
36	15AT1A0141	D SUNEEL KUMAR
37	15AT1A0142	BANNUR THARUN KUMAR
38	15AT1A0143	GANGANAPALLI THARUN KUMAR
39	15AT1A0144	S T VENKAT SAI
40	15AT1A0145	A V S KRISHNASWAMY SETTY
41	15AT1A0146	KASTURI VENKATESH
42	15AT1A0148	G VINUTHA
43	15AT1A0149	V KALYAN
44	15AT1A0150	C SIVA KUMAR
45	16AT5A0101	MASAPOGU ASHOK
46	16AT5A0102	JEEREDDY LAKSHMI PADMAVATHI
47	16AT5A0103	BANDARI MAHESH
48	16AT5A0105	M PRAVEEN KUMAR
49	16AT5A0106	K RAVITEJA
50	16AT5A0107	GUNDA SAI ANUDEEP
51	16AT5A0109	PARADESI SHAMBHAVI
52	16AT5A0110	CHAKALI SUNIL KUMAR
53	16AT5A0111	ATTALURU SURYA
54	16AT5A0112	MADDUBAIGARI UMMAR BASHA
55	16AT5A0113	CHAKALI URUKUNDU
56	16AT5A0114	PUSALA VENKATA NAGARJUNA
57	16AT5A0115	G VENKATESH
58	16AT5A0116	SUNKESULA VIJAY KUMAR

III CE students

S.No	Roll No	Name of the Candidate
1	16AT1A0101	SHAIK ABDULLAH
2	16AT1A0102	ABRAR BAIG
3	16AT1A0103	KATI AJAY PRASANTH
4	16AT1A0104	PATAN ATHAULLA KHAN
5	16AT1A0105	GOKULAPADU AZMATHULLA
6	16AT1A0106	KATTA BALAJI
7	16AT1A0107	K CHARAN SRI RAM
8	16AT1A0108	NASARI CHARAN TEJA
9	16AT1A0109	GADUMURI CHENCHU NAGANNA

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12	16AT1A0112	G GOVARDHANA CHOWDARY
13	16AT1A0114	B HARINATH REDDY
14	16AT1A0115	K HEMANTH KUMAR REDDY
15	16AT1A0116	S IMTHIYAS BASHA
16	16AT1A0117	M JASLIN
17	16AT1A0118	H KARAN KUMAR
18	16AT1A0119	S KARTHIK
19	16AT1A0120	U LEELA PRASANTH
20	16AT1A0121	BOYINI LOKESH YADAV
21	16AT1A0122	DANDUGALA MADHU KRISHNA
22	16AT1A0123	J MANOJ KUMAR
23	16AT1A0124	G K MARUTHI
24	16AT1A0125	SHAIK MOHAMMED ISMAIL
25	16AT1A0126	SHAIK MOHAMMED TANVEER
26	16AT1A0127	BATEGERI MOHAMMED WASEEM
27	16AT1A0128	PINJARI NABISA
28	16AT1A0129	KHALEEL NASHRA MARIAM KHAN
29	16AT1A0130	DAMAGATLA NAVEEN BABU
30	16AT1A0131	VEERAPURAM NAVEEN
31	16AT1A0132	AKEPOGU NIVYA
32	16AT1A0133	PITCHIGUNTLA PRASANNA KUMAR
33	16AT1A0134	M PRASANNA KUMARI

34	16AT1A0135	YARABAM PRAVALLIKA
35	16AT1A0136	KUNA PRAVEEN KUMAR
36	16AT1A0137	GITTA RAJU
37	16AT1A0138	KURUVA RAMESH
38	16AT1A0139	K REVANTH KUMAR REDDY
39	16AT1A0140	BOYA SAI VARDHAN
40	16AT1A0141	PULLA SAINIKHILA
41	16AT1A0143	SHAIK SHAHBAAZ
42	16AT1A0144	VELDURTHI SRI TEJA REDDY
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44	16AT1A0146	DEVALAPURAM UMADEVI
45	16AT1A0147	TATIKONDA VIJAY KUMAR
46	16AT1A0148	TOPI VINOD KUMAR
47	16AT1A0149	ERRAMANANE YAMINI
48	16AT1A0151	Y YUVARANI YADAV
49	17AT5A0101	BHEEMANAPALLI LAKSHMI DUSHANTH KUMAR
50	17AT5A0102	KAMIREDDY JYOSHNA
51	17AT5A0103	M MADHAN GOPAL REDDY
52	17AT5A0104	B MALLIKARJUNA REDDY
53	17AT5A0105	MANJULA NAGENDRA BABU
54	17AT5A0106	U RANJITH KUMAR
55	17AT5A0107	YERUKULA SAIKIRAN
56	17AT5A0108	DANDU SATYANARAYANA SWAMY
57	17AT5A0109	JAGGAPURAM SHAFIVULLA



58	17AT5A0110	B SIVA PRASAD
59	17AT5A0111	PAKANTI SREEDEVI YADAV
60	17AT5A0112	KURUVA NANNOORU SURESH
61	17AT5A0113	NUKALA ADARSHA KUMAR
62	17AT5A0114	UPPARI CHANDRA
63	17AT5A0116	SHAIK ERAMULLAH





G. PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

Department Of Civil Engineering

ADD ON PROGRAM



Topic : Engineering Hydrology
Target audience : II and III Year Students
Total Courses hrs : 42 hrs
**Selection Procedure : Registration on First
come First serve basis**
Venue : Seminar Hall

FREE

Register
Now

**Date of commencement the course : 09 July,2018. End of
Course : 01 Nov, 2018. Exam Date: 08 Nov,2018.**



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1. How does Hydro power plays important in development of a country?
a) Shows the amount of water power in a country b) Providing abundant amount of power c) **Providing power at cheap rate** d) Power production by hydro power plant is easier ()
2. How much of the total amount of power developed world wide consists of hydro power plant?
a) 10% b) **20%** c) 30% d) 40% ()
3. Which two countries have vast hydro resources?
a) Hungary and Luxemburg b) India and china c) **Russia and Nepal** d) Japan and Georgia ()
4. What type of energy does rain falling holds relative to the oceans?
a) **Potential energy** b) Kinematic energy c) Electrical energy d) Motion energy ()
5. On what does generation of Hydro power depends? ()
a) **Quantity of water available** b) On capacity of turbine c) Height of head d) Storage capacity
6. On what does the Quantity of water available at selected site depends? ()
a) Temperature at the selected site b) Humidity at selected site c) Vegetation of the area
d) **Hydrological cycle of area** ()
7. Capacity of hydraulic plant is dependent on _____ ()
a) **Minimum quantity of water available** b) Vegetation of the selected area c) Maximum quantity of water available d) Available head
8. What are used to store water during peak periods?
a) Storage drums b) Canals c) Sews d) **Storage Reservoirs** ()
9. The evaporation of water from the surfaces and its precipitation is known as _____
a) Science b) Infiltration c) **Hydrological cycle** d) Vegetation ()
10. Water evaporated is carried with the air in form of vapor known as _____
a) **Cloud** b) Drizzle c) Fog d) Smoke ()
11. When does vapor turn into form of water or snow?

- a) Cooled below Dew point b) At Frost point c) When cooled Freezing point d) When there is rise in Humidity ()
12. What source of energy does evaporation and precipitation consists of? ()
- a) Perennial energy b) Gravitational energy c) Thermal energy d) Kinetic energy
13. Water on the ground surface entering the soil is called _____ ()
- a) Infiltration b) Transpiration c) Filtration d) Precipitation
14. The energy input to the hydrological cycle is by _____ ()
- a) Wind b) Water c) Sun d) Head
15. About how much amount of precipitate is returned back to atmosphere?
- a) 2/3 b) ¼ c) ¾ d) 1/3 ()
16. Amount of rainfall which runs off the earth's land surface to form stream is used for _____
- a) Flower generation b) Back water storage c) Pit Irrigation d) Left through canals ()
17. What is the unit of runoff _____
- a) Day-sec meter b) M²/s c) MM/S² d) Ns/m² ()
18. Where is the catchment area situated with respect to dam?
- a) Behind the dam b) Front of dam c) Right beneath the dam d) Opposite to the Dam Head
19. If the area of storm hydrograph is equal to 102 cm, the ordinates of a unit hydrograph may be obtained by dividing the ordinates of the storm hydrograph by ()
- a) 0.5 b) 1 c) 2 d) 4
20. If the axial length of a drainage basin is 35 km and its form factor is 0.2, the total area of the basin is
- a) 205 sq. km. b) 215 sq. km. c) 225 sq. km. d) 245 sq. km. ()
21. What source of energy does evaporation and precipitation consists of?
- A. Perennial energy B. Gravitational energy C. Thermal energy D. Kinetic energy ()
22. The theory of infiltration capacity was given by
- a) Merrill Bernard b) W.W. Horner c) Le-Roy K. Shermen d) Robert E. Horton. ()
23. Pick up the correct statement from the following :
- a) Rivers, lakes, oceans and springs get water from the rains ()
- b) Rain water is obtained by evaporation from rivers, lakes and oceans
- c) Hydrologic cycle is a continuous process of evaporation and precipitation of water in atmosphere
- d) all the above. ()
24. Water contains

a) one hydrogen atom and one oxygen atom

b) two hydrogen atoms and one oxygen atom

c) one hydrogen atom and two oxygen atoms

d) three hydrogen atoms and two oxygen atoms ()

25. Infiltration capacity of soil depends upon

a) number of voids present in the soil

b) shape and size of soil particles

c) arrangement of soil particles ()

d) all the above.

A handwritten signature in black ink, consisting of stylized cursive letters, possibly 'Raj', with a horizontal line drawn through the bottom of the signature.



G PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY: KURNOOL (Autonomous)

Department of Civil Engineering

The following is the list of the students who have appeared for assessment Add on Course on
“Engineering Hydrology”

Evaluation Sheet

S.No	Roll No	Name of the Candidate	Evaluation Marks
1	15AT1A0101	KATTUBADI ABDUL RAHIMAN	ABSENT
2	15AT1A0102	VADDE ANJALI	20
3	15AT1A0103	AREKANTI BHARATHI	21
4	15AT1A0104	C.BINDU LEELA	18
5	15AT1A0105	K CHANDRASEKHAR	15
6	15AT1A0106	MUGUTHI CHARITHA	16
7	15AT1A0107	DADI DASTAGIRI	FAIL
8	15AT1A0108	MALAPALLI DHAMENDRA REDDY	22
9	15AT1A0109	BARKY HARISH	18
10	15AT1A0110	MADUGUNDU HEMA	ABSENT
11	15AT1A0112	GOSULA JASWANTH SYAM SUNDAR	24
12	15AT1A0113	BIJJEM JAYANTH KUMAR	21
13	15AT1A0114	LAKSHMI MANASA S	18
14	15AT1A0116	KURUVA LOKESH	15
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16	15AT1A0119	KOTTUR MANOJ SAI KUMAR	16
17	15AT1A0120	CHENCHIREDDYGARI MANOJA	19
18	15AT1A0121	BELUM MANVITH	20
19	15AT1A0122	SHAIK MOHAMMAD AAFAQ	ABSENT
20	15AT1A0123	GORLA NARMADA	FAIL
21	15AT1A0125	GOLLA NIKHIL YADAV	22
22	15AT1A0126	BENCHAPPAGARI PAVAN	15
23	15AT1A0127	JAWARI POTHIVAL KALYAN	17
24	15AT1A0128	EDIGA RAJESH GOUD	20
25	15AT1A0129	GURAJALA RAMA HEMANTH	23
26	15AT1A0130	BOYA RAMESH	FAIL
27	15AT1A0131	DUMAVATH SAI KIRAN NAIK	ABSENT
28	15AT1A0132	BALLA SAI PRAVEEN	22
29	15AT1A0133	POOSALA SAIPRASANNA	FAIL
30	15AT1A0134	S SAKSHI JAIN	24
31	15AT1A0135	SHAIK SHAFI AHMED	22
32	15AT1A0136	SYED SHAGUFTA NAVEED	21
33	15AT1A0137	SHAIK SHAHID AFRIDI,	19
34	15AT1A0138	G SHIRISHA	15

35	15AT1A0140	ARAVA SRISAILAM	FAIL
36	15AT1A0141	D SUNEEL KUMAR	21
37	15AT1A0142	BANNUR THARUN KUMAR	19
38	15AT1A0143	GANGANAPALLI THARUN KUMAR	24
39	15AT1A0144	S T VENKAT SAI	ABSENT
40	15AT1A0145	A V S KRISHNASWAMY SETTY	16
41	15AT1A0146	KASTURI VENKATESH	18
42	15AT1A0148	G VINUTHA	20
43	15AT1A0149	V KALYAN	FAIL
44	15AT1A0150	C SIVA KUMAR	24
45	16AT5A0101	MASAPOGU ASHOK	21
46	16AT5A0102	JEEREDDY LAKSHMI PADMAVATHI	ABSENT
47	16AT5A0103	BANDARI MAHESH	20
48	16AT5A0105	M PRAVEEN KUMAR	FAIL
49	16AT5A0106	K RAVITEJA	21
50	16AT5A0107	GUNDA SAI ANUDEEP	ABSENT
51	16AT5A0109	PARADESI SHAMBHAVI	FAIL
52	16AT5A0110	CHAKALI SUNIL KUMAR	21
53	16AT5A0111	ATTALURU SURYA	22
54	16AT5A0112	MADDUBAIGARI UMMAR BASHA	19
55	16AT5A0113	CHAKALI URUKUNDU	20
56	16AT5A0114	PUSALA VENKATA NAGARJUNA	ABSENT
57	16AT5A0115	G VENKATESH	20
58	16AT5A0116	SUNKESULA VIJAY KUMAR	24

2016 batch students

S.No	Roll No	Name of the Candidate	EVALUATION MARKS
1	16AT1A0101	SHAIK ABDULLAH	20
2	16AT1A0102	ABRAR BAIG	24
3	16AT1A0103	KATI AJAY PRASANTH	ABSENT
4	16AT1A0104	PATAN ATHAULLA KHAN	19
5	16AT1A0105	GOKULAPADU AZMATHULLA	FAIL
6	16AT1A0106	KATTA BALAJI	21
7	16AT1A0107	K CHARAN SRI RAM	22
8	16AT1A0108	NASARI CHARAN TEJA	19

9	16AT1A0109	GADUMURI CHENCHU NAGANNA	ABSENT
10	16AT1A0110	MAHENDRAKAR DINESH	24
11	16AT1A0111	B GANESH	21
12	16AT1A0112	G GOVARDHANA CHOWDARY	19
13	16AT1A0114	B HARINATH REDDY	21
14	16AT1A0115	K HEMANTH KUMAR REDDY	ABSENT
15	16AT1A0116	S IMTHIYAS BASHA	19
16	16AT1A0117	M JASLIN	ABSENT
17	16AT1A0118	H KARAN KUMAR	24
18	16AT1A0119	S KARTHIK	21
19	16AT1A0120	U LEELA PRASANTH	19
20	16AT1A0121	BOYINI LOKESH YADAV	21
21	16AT1A0122	DANDUGALA MADHU KRISHNA	ABSENT
22	16AT1A0123	J MANOJ KUMAR	21
23	16AT1A0124	G K MARUTHI	19
24	16AT1A0125	SHAIK MOHAMMED ISMAIL	15
25	16AT1A0126	SHAIK MOHAMMED TANVEER	14
26	16AT1A0127	BATEGERI MOHAMMED WASEEM	12
27	16AT1A0128	PINJARI NABISA	ABSENT
28	16AT1A0129	KHALEEL NASHRA MARIAM KHAN	23
29	16AT1A0130	DAMAGATLA NAVEEN BABU	FAIL
30	16AT1A0131	VEERAPURAM NAVEEN	21
31	16AT1A0132	AKEPOGU NIVYA	24
32	16AT1A0133	PITCHIGUNTLA PRASANNA KUMAR	19

33	16AT1A0134	M PRASANNA KUMARI	17
34	16AT1A0135	YARABAM PRAVALLIKA	21
35	16AT1A0136	KUNA PRAVEEN KUMAR	24
36	16AT1A0137	GITTA RAJU	19
37	16AT1A0138	KURUVA RAMESH	ABSENT
38	16AT1A0139	K REVANTH KUMAR REDDY	20
39	16AT1A0140	BOYA SAI VARDHAN	FAIL
40	16AT1A0141	PULLA SAINIKHILA	22
41	16AT1A0143	SHAIK SHAHBAAZ	ABSENT
42	16AT1A0144	VELDURTHI SRI TEJA REDDY	20
43	16AT1A0145	PANYAM SUHASINI	18
44	16AT1A0146	DEVALAPURAM UMADEVI	12
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46	16AT1A0148	TOPI VINOD KUMAR	17
47	16AT1A0149	ERRAMANANE YAMINI	20
48	16AT1A0151	Y YUVARANI YADAV	21
49	17AT5A0101	BHEEMANAPALLI LAKSHMI DUSHANTH KUMAR	19
50	17AT5A0102	KAMIREDDY JYOSHNA	ABSENT
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54	17AT5A0106	U RANJITH KUMAR	21
55	17AT5A0107	YERUKULA SAIKIRAN	ABSENT
56	17AT5A0108	DANDU SATYANARAYANA SWAMY	21

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62	17AT5A0114	UPPARI CHANDRA	21
63	17AT5A0116	SHAIK ERAMULLAH	ABSENT

