

NAGARJUNA GOVT DEGREE COLLEGE
(AUTONOMOUS)
NALGONDA



CERTIFICATE COURSE ON “
WATER QUALITY CRITERIA & POLLUTION
ASPECTS” TO UNDERGRADUATE STUDENTS
(FROM 01-02-2021 TO 19-02-2021)

2020-21

GOVERNMENT DEGREE COLLEGE(A), NALGONDA.

DEPARTMENT OF GEOLOGY

Principal
Nagarjuna Govt. College
(Autonomous) NALGONDA.

TO
The Principal,
Nagarjuna Govt College(A)
Nalgonda.

Date: 23rd Jan 2021


Respected Sir,

Sub: Dept. of Geology- certificate course on "WATER QUALITY
CRITERIA&POLLTION ASPECTS

for Undergraduate students"-seeking
permission-req.reg.,

With regards to the subject cited above
K.Kanakadurga Prasad lecturer in the Geology department. come
up with a proposal to start certificate course on "GROUNDWATER
QUALITY CRITERIA&POLLTION ASPECTS" for Undergraduate
students". I am here with forwarding the proposal consisting of
syllabus and Learning outcomes targeted for this course. This
course is for 15 days and 30 Teaching hours and imparts
essential reasoning skills to the students

Hence I am requesting you to accord permission to start the said
course in this academic year.

 Yours faithfully
K.Kanakadurga Prasad
Lecturer in Geology



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DEPARTMENT OF GEOLOGY
CERTIFICATE COURSE ON
"WATER QUALITY CRITERIA& POLLUTION ASPECTS"
TO UNDER GRADUATE STUDENTS

Curriculum of the course

S.No.	Name of the TOPIC	Days	Teaching Hours
1	Water importance in the Environmental study(Hydrosphere)	1	2 Hours
2	Physical properties of water- primary, secondary, minor elements ratio and limitations	2	4 Hours
3	Chemical characters of water like- PH, EC,TDS,HARDNESS etc,	2	4Hours
4	Elements limitations in water as per WHO and Indian standards	1	2Hours
5	Water quality criteria for Domestic purpose	1	2 Hours
6	Water quality importance for Agriculture role of EC and sodium &Boron	2	4 Hours
7	Water quality for Industries	1	2Hours
8	Water pollution and causes for contamination	1	2 Hours
9	Municipal, Agricultural &Industrial pollutions	2	4Hours
10	Pollution protection methods-legal terms.	2	4 Hours
Total		15days	30 hours


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COURSE OVERVIEW :

The Water resources especially fresh water essential for all lives on the globe. the water as in the globe occurs in deferent forms and various places it I exists broadly we can say that it a hydrological cycle. it I necessary for every living it important mineral or element. the two main aspects includes in the course first one can be said as quality criteria mean in which quality level or limits are acceptable for drinking purpose, what the quality importance in irrigation and the limitation in ppm .as well as industrial fields. The second aspect I pollution now it's a global challenge in environmental geology. The man unusual living methods against natural laws the water I lasting it quality and it is becoming useless and hazardous. The domestic danced area of man like cities, the wast usage of pesticides, industrial waste flows reaching in to the fresh water streams and reservoirs' are mainly pollution causes. Now the outstand challenge before the human society is to protect the quality of water by fighting against the pollution sources. Otherwise the globe totally has to face adverse conditions. anti pollution practices and legal acts are applied to avoid the un desirable conditions. the implementation is a social responsibility this awareness is important in the controlling pollution.

by the completing this course the students get awareness along with water quality and pollution aspects. The student gets and move towards modern techniques which are employed and going to be introduced, and how to control the source pollution. the Remote sensing and which I playing important role in study of Earth data specially concern to pollution and type of pollution and extended levels to be observed in easy way the social and legal aspects should necessary will be discussed.

LIST OF STUDENTS ENROLLED :

S.No.	Name of the student	Class	Roll Number	Signature
		2nd B2g	19044028446001	Kalay Kumar
1	Alepyalay Kumar		6002	Pragathi
2	Aitharaju priyanka		6003	Anusha
3	Aitiparula Anusha		6004	Shranya
4	Alle sharanya		6004	Satoma
5	Amatul safeera		6005	Kausar
6	Arfiya Kausar		6006	Akhil
7	Bandaru Akhil		6007	Triveni Bai
8	Banath Triveni Bai		6008	Shiva
9	Bantu shiva		6009	Sarah
10	Barpali surish		6000	Sunitha
11	Bathini sunitha		6011	Maneecha
12	Bodupally Maneecha		6012	Manish
13	Boljamoni Mahesh		6013	R. Venkta
14	Bommakanti Venkta		6014	Manidhar
15	Chandrika Durgabharani paka		6015	Manidhar
16	cherukupally Manidhar		6016	Ch. Manidhar
17	chinthakindi Alay		6017	Nishitha
18	Decharaju Nishitha		6018	Supraja
19	Devala Supraja		6019	D. Saisruthi
20	Duddy Saisruthi		6020	C. Sankulu
21	Earla Sankulu		6021	G. Sankulu
22	Erige Sankulu		6022	Gurur
23	Estavath surub		6023	Pavani
24	Gadagoli pavani		6024	G. Shashikumar
25	Gattu shashi kumar		6025	Jyothi
26	Gerge Jyothi		6026	P. Sagar
27	Indrapalli Sagar		6027	Nandini
28	Jajula Madhu Goud		6028	J. Chaitu
29	Jemmula chintu		6029	Rishi
30	Kankky Nagaraju		6030	Shiva
31	Katteboina shiva		6031	K. Chaitan Kumar
32	Kommu charan kumar			



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CERTIFICATE




NAGARJUNA GOVERNMENT COLLEGE(A),NALGONDA

DEPARTMENT OF GEOLOGY


CERTIFICATE OF APPRECIATION


This is to certify that Kommu Charan Kumar studying
B.E.G. II year has participated and successfully finished Certificate course
on "WATER QUALITY CRITERIA & POLLUTION ASPECTS" conducted by Department of
Geology, Nagarjuna Government College(A), Nalgonda. from 1st February 2021 to
19th February 2021.


K. Kanakadurga Prasad
Course Coordinator



DR. RAHATH KHANAM
PRINCIPAL


Principal
Nagarjuna Govt. College
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Principal
Nagarjuna Govt. College
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