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GURU NANAK INSTITUTE OF TECHNOLOGY

City Office: B2, 2nd Flr, Above Bata, Vikrampuri Colony, Karkhana Road, Secunderabad-50009, Telangana, India.
Ph: +91-40-6632 3294, 6517 6117, Fax: +91-40-2789 2633

Campus: Ibrahimpatnam, R.R. District, Hyderabad-501506, Telangana, India. Ph: (0/95) 8414-20 21 20/21

DEPARTMENT OF CIVIL ENGINEERING

Date: 04/01/2019

CIRCULAR

Technical Training for II B. Tech students are starting from 16 JANUARY 2019 to 25 MARCH 2019. All HODs and Placements coordinators have to manage the trainings and ensure 95% attendance all through the sessions.

All Mentors need to send the compiled feedback report to Mr. S. Madan Mohan, HOD at hodcivil.gnit@gniindia.org daily. Mentors are advised to take care of PNR (Students not participating in training).

Agenda:

KANAL++ Modelling.

HOD-CE



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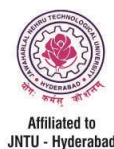
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SYLLABUS FOR KANAL++

SNO.	TOPIC COVERED	DURATION	REMARKS
1	Overview of KANAL++	3	
2	Geographic planning	2	
3	Analysis of Drainage task in urban water treatment	4	
4	functioning of Graphic systems	3	
5	Understanding of object oriented data base	3	
6	Analysis programs for hydraulics	4	
7	GIS Functionality	2	
8	Acquisition of manhole, holdings, catchment area data of all popular formats Automated creation and allocation of hydraulic catchment areas	5	
9	Automatic calculation of shaft losses and pipe hydraulics according to DWA-A 110	3	
10	Extended detection method according to DWA-A 128 with the help of a hydrodynamic dirt load simulation	3	
11	Integrated calculation of rainwater infiltration equipment according to DWA-A 138 and soil filter with hydrodynamic continuum simulation Replacement times and cost evaluation according to DWA-A 133	4	

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LIST OF REGISTERED STUDENTS FOR KANAL++

S.No	H. T. No.	NAME OF THE STUDENT
1	163831A0101	Vennela.S
2	163831A0102	A.Rajesh
3	163831A0103	A.Manasa Reddy
4	163831A0104	A.Greeshma reddy
5	163831A0105	I.Anirudh reddy
6	163831A0106	A srija
7	163831A0107	B.Pavan reddy
8	163831A0110	B.Likitha
9	163831A0111	B.sai krishana
10	163831A0113	B.Divya
11	163831A0115	Joseph
12	163831A0116	Reshma
13	163831A0121	D.Lokesh
14	163831A0122	D.Vamshi krishna
15	163831A0123	D.Rahul
16	163831A0124	D.yeshwanth
17	163831A0126	E.Rishika Raj
18	163831A0129	G.Prathyusha
19	163831A0130	G.Keerthi
20	163831A0133	G.Vaishnavi



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21	163831A0135	G.Likitha
22	163831A0136	Gurpreeth
23	163831A0137	Jahnavi.j
24	163831A0138	J.Gowtham
25	163831A0140	anuja.k
26	163831A0141	M.Ram deshai
27	163831A0145	K.Chanakya
28	163831A0150	LALITHA
29	163831A0155	M.Rahul Reddy
30	163831A0156	M.Sai teja
31	163831A0153	HASTHESH
32	17835A0111	RAKESH
33	17835A0116	Keerthana
34	17835A0106	Srujana
35	17835A0108	Jayalakhmi
36	16831A0132	G. praveen kumar
37	16831A0131	G. sairamesh
38	16831A0134	G. naveen
39	16831A0163	Manvitha
40	16831A0164	Shanthi kisore
41	16831A0166	Manish
42	16831A0169	Varsha
43	16831A0176	N Sai kumar
44	16831A0182	Nikila
45	16831A0187	Usha Sri



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46	16831A0191	Pavani.V
47	16831A0192	Srikar
48	16831A0197	P Charan kumar
49	16831A01A1	Mohsin Ahmed
50	16831A01A4	sai mukesh
51	16831A01A7	Sd Fayaz
52	16831A01A8	Ram narsimha
53	16831A01A9	Shaik Hafeez
54	16831A01B0	Sofia .SK
55	16831A01B1	S venkatesh
56	16831A01B8	T Sadhana
57	17835A0103	Meghana
58	17835A0114	M. ranjith
59	17835A0105	G. pawankalyan
60	17831A0171	MOGILI ROHINI
61	17831A0172	MOGULLA MANASA
62	17831A0176	MOUNISHA CHIRAPUREDDY
63	17831A0177	MUNDLIWAL NANAVATH MOHAN PRATHAP SINGH
64	17831A0179	NEMMANI SUMANTH
65	17831A0180	NIMMALA SAI GOUTHAM REDDY
66	17831A0181	P PRIYANKA

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DEPARTMENT OF CIVIL ENGINEERING

KANAL++ QUESTION PAPER

Duration: 120 min

4 x5=20 marks

Answer the following all questions. Each question carries 5 marks

1. Explain in detail about sewage modeling ?
2. Explain the Analysis programs for hydraulics?
3. How will design the drain system in urban areas?
4. Execute in detail about shaft losses in drain system?

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RESULT SHEET FOR KANAL++ REGISTERED STUDENTS

S.No	H. T. No.	NAME OF THE STUDENT	MARKS	RESULT
1	163831A0101	Vennela.S	16	PASS
2	163831A0102	A.Rajesh	16	PASS
3	163831A0103	A.Manasa Reddy	15	PASS
4	163831A0104	A.Greeshma reddy	10	PASS
5	163831A0105	I.Anirudh reddy	7	FAIL
6	163831A0106	A srija	16	PASS
7	163831A0107	B.Pavan reddy	18	PASS
8	163831A0110	B.Likitha	17	PASS
9	163831A0111	B.sai krishana	5	FAIL
10	163831A0113	B.Divya	16	PASS
11	163831A0115	Joseph	18	PASS
12	163831A0116	Reshma	19	PASS
13	163831A0121	D.Lokesh	18	PASS
14	163831A0122	D.Vamshi krishna	16	PASS
15	163831A0123	D.Rahul	18	PASS
16	163831A0124	D.yeshwanth	6	FAIL
17	163831A0126	E.Rishika Raj	16	PASS
18	163831A0129	G.Prathyusha	16	PASS
19	163831A0130	G.Keerthi	18	PASS
20	163831A0133	G.Vaishnavi	19	PASS
21	163831A0135	G.Likitha	16	PASS
22	163831A0136	Gurpreeth	15	PASS



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23	163831A0137	Jahnavi.j	7	FAIL
24	163831A0138	J.Gowtham	15	PASS
25	163831A0140	anuja.k	16	PASS
26	163831A0141	M.Ram deshai	4	FAIL
27	163831A0145	K.Chanakya	18	PASS
28	163831A0150	LALITHA	12	PASS
29	163831A0155	M.Rahul Reddy	16	PASS
30	163831A0156	M.Sai teja	16	PASS
31	163831A0153	HASTHESH	15	PASS
32	17835A0111	RAKESH	6	FAIL
33	17835A0116	Keerthana	15	PASS
34	17835A0106	Srujana	16	PASS
35	17835A0108	Jayalakhmi	18	PASS
36	16831A0132	G. praveen kumar	4	FAIL
37	16831A0131	G. sairamesh	16	PASS
38	16831A0134	G. naveen	15	PASS
39	16831A0163	Manvitha	14	PASS
40	16831A0164	Shanthi kisore	5	FAIL
41	16831A0166	Manish	18	PASS
42	16831A0169	Varsha	19	PASS
43	16831A0176	N Sai kumar	16	PASS
44	16831A0182	Nikila	16	PASS
45	16831A0187	Usha Sri	18	PASS
46	16831A0191	Pavani.V	17	PASS
47	16831A0192	Srikar	16	PASS



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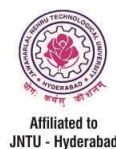
48	16831A0197	P Charan kumar	12	PASS
49	16831A01A1	Mohsin Ahmed	16	PASS
50	16831A01A4	sai mukesh	18	PASS
51	16831A01A7	Sd Fayaz	5	FAIL
52	16831A01A8	Ram narsimha	13	PASS
53	16831A01A9	Shaik Hafeez	15	PASS
54	16831A01B0	Sofia .SK	16	PASS
55	16831A01B1	S venkatesh	16	PASS
56	16831A01B8	T Sadhana	18	PASS
57	17835A0103	Meghana	12	PASS
58	17835A0114	M. ranjith	4	FAIL
59	17835A0105	G. pawankalyan	16	PASS
60	17831A0171	MOGILI ROHINI	15	PASS
61	17831A0172	MOGULLA MANASA	10	PASS
62	17831A0176	MOUNISHA CHIRAPUREDDY	16	PASS
63	17831A0177	MUNDLIWAL NANAVATH MOHAN PRATHAP SINGH	16	PASS
64	17831A0179	NEMMANI SUMANTH	18	PASS
65	17831A0180	NIMMALA SAI GOUTHAM REDDY	15	FAIL
66	17831A0181	P PRIYANKA	16	PASS

No of students Registered = 66

No of students Passed = 59

No of students Failed = 7

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Department of Civil Engineering

summary of Kanal ++(canal modelling)

- The main goal of this certification course is to expose and validate a methodology to design efficient automatic controllers for irrigation canals, based on the Saint-Venant model.
- This model-based methodology enables to design controllers at the design stage (when the canal is not already built).
- The methodology is applied on an experimental canal located in Portugal. First the full nonlinear PDE model is calibrated, using a single steady-state experiment.
- The model is then linearized around a functioning point, in order to design linear PI controllers. Two classical control strategies are tested (local upstream control and distant downstream control) and compared on the canal. The experimental results shows the effectiveness of the method.

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Department of Civil Engineering

ONE MONTH CERTIFICATE COURSE


ON

“KANAL++”

16-01-2019 – 25-03-2019

CERTIFICATE OF COMPLETION

This is to certify that Mr./ Ms. ✓ D. LOKESH
of III - CE has Successfully completed one month certification course on “KANAL++”
held during 16-01-2019 to 25-03-2019 at Guru Nanak Institute of Technology, Hyderabad.


Prof. S. Madan Mohan
DEPARTMENT OF CIVIL ENGINEERING
GURU NANAK INSTITUTE OF TECHNOLOGY
Ibrahimpattam, R.R. Dist, T.S. - 501 506


PRINCIPAL
Guru Nanak Institute of Technology
Dr. S. Shekhar Reddy
Khanapur, Ibrahimpattam, R.R. Dist. T.S. - 501506
Principal

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