

WELCOME

IQAC 5th Regular Meeting

FRIDAY, 10 April 2015
Conference Hall, Admin Block

Agenda

1. **Confirmation of the minutes** of 4th meeting
2. **Action taken report** on the proposals of 4th meeting
3. To discuss on the issue of **obtaining sponsored research projects**
4. To discuss the measures required for **increasing** the publications in **quality journals** / conferences
5. To discuss on the issue of **qualification up gradation towards Ph.D**
6. Any other item with the permission of Chairperson

AGENDA 1. Confirmation of the Minutes of 4th Meeting

- Draft minutes are kept online and circulated to members through e-mail

Members are requested to confirm the draft minutes

Agenda 2. Action taken report on the proposals of 4th meeting

- Action Item 1: Faculty Teaching Quality Assessment- Dr. A. Koteswara Rao
- Action Item 2: Environment audit - Dr.M.V.S. Raju
- Action Item 3: Student Feedback parameters - Dr.Ch. Srinivas
- Action Item 4: Zebra crossing on National Highway - Dr.B. Pandurangarao

Action Item 1:

Faculty Teaching Quality Assessment

- Dr. A. Koteswara Rao

Faculty Teaching quality assessment

- Conducted the assessment program on 23-25 March 2015 by
 - Dr. Rajeev Sukumaran
Senior Advisor, Teaching Learning Centre, IIT Madras,
Chennai
- Classroom observation and interaction with faculty and students on random sample in ME, ECE and S&H dept.
- Structured questionnaires based on learning theories
- Interaction with management and academic administrators

Suggested Interventions

- Training Workshop on “**Scientific Educational Practices**” for all faculty members to make them aware of the scientific advancements in higher educational instructional practices.
- Sensitize faculty members towards “**Engineering Epistemology**”
- Sensitize faculty members towards “**Behavioral Essentials**”
- Sensitize faculty members towards “**Observational to Scientific Practices in Learning Feedback**”

Detailed report will be submitted to management and later it may be placed in IQAC

Action Item 2:
Environmental audit
- Dr.M.V.S. Raju

WATER CONSUMPTION DETAILS

Dept / Buildings	Water Consumption lt/day
Civil -I	12000
Mech -2	12000
Electrical & MCA (RO Plant)	15000
New Block: Electronics	1600
C. Science	1600
IT	9500
EIE	9500
MBA & Civil-II	5000
1 st year –I	11000
1 st Year -II	12000
Library	11000
Admin	16000
Canteen & T&P	35000
Total	151000

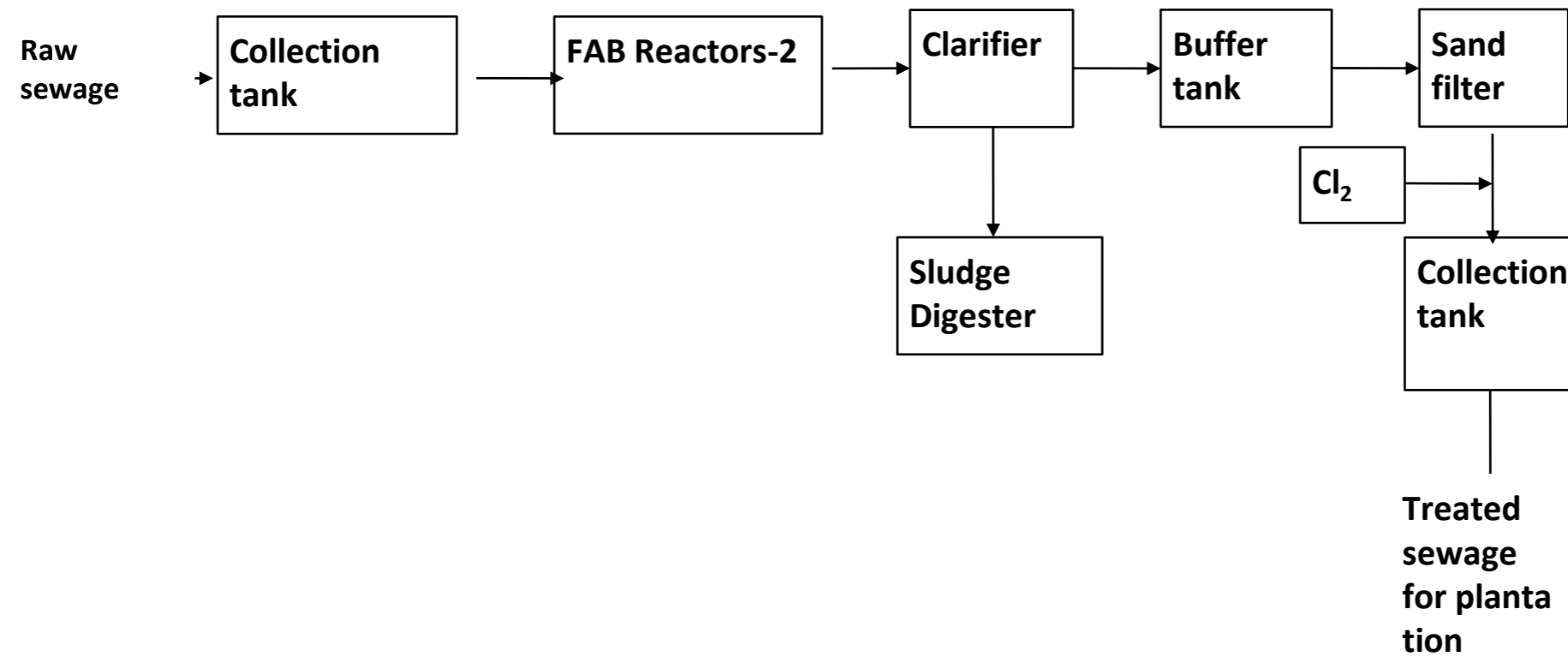
QUANTITY OF WASTE WATER GENERATION

- Quantity of wastewater generation = 70 % of departmental and canteen consumption
 $150000 \times 0.7 = \mathbf{105,000}$ lt/day
- STP is recommended for **100 KLD**
- Treated water may be used for gardening
- Avg.consumption of water for gardening
= **50,000** lt/day (approx.)

RECOMMENDATIONS

- **Push button taps are recommended for urinals.**
- **All septic tanks are to be connected to collection tank of STP.**
- **100 KLD STP is recommended.**
- **The treated effluent can be used for gardening and excess of it may be used for ground water recharge .**
- **It is also recommended to harvest Rain water for the ground water recharge.**

Proposed Sewage Treatment Plant (STP)



QUOTATIONS FOR 100KLD STP

1. UNIVERSAL ENVIRO ASSOCIATES – RS 13,40,000 + TAXES

2. THERMAX -- RS 26,00,000 + TAXES
(ABOVE PRICE - EXCLUDING CIVIL WORKS)

SOLID WASTE MANAGEMENT

S.No	Source of solid waste in the campus	Daily quantity (kg)	Monthly quantity (Kg)	Composition	Remarks
1	Departments:	(26days)			
	Administration	2	52	Dust, papers, pens, food covers	
	S&H – I	1.5	39		
	S&H – II	1.5	39		
	Civil	1.5	39		
	Tifac	2	52		
	Mechanical	2	52		
	EEE	1.5	39		
	New building	5	230		
	TOTAL All departments	17	442		
2	Canteen	Decomposable - 60 (Food – 35 & Veggies – 25)	1560	Vegetables, rice, cooked food, tea cups, snack covers, tetra packs, pet bottles, milk packet covers, aluminum tins	
		Remaining – 15	390		
3	Outdoor Campus	70	2100	Leaves & paper	
		5	130	Plastic (pet bottles, chocolate wrappers, snacks wrappers), aluminum tins	

CANTEEN WASTE DISPOSAL - CURRENT PRACTICES

★The Vegetable scrape, left over rice, cooked food, tea cups, snack covers, tetra packs, pet bottles, milk packet covers, aluminum tins of canteen waste are accumulated till the weekend and it is openly burnt using used cooking oil.

★The burning of wide range of waste (plastic pet bottles, wrappers, tetra packs and decomposable organic matter) emits harmful air pollutants and pollutes the campus environment.

RECOMMENDATIONS FOR CANTEEN WASTE DISPOSAL

- ★The committee recommends separation of decomposable matter like food waste from non-decomposable matter.**
- ★ Two separate containers to collect decomposable and non-decomposable waste is recommended particularly near canteen.**
- ★Instructions may be given for separation of decomposable and non-decomposable waste at source to the canteen organizers**

RECOMMENDATIONS FOR CANTEEN WASTE DISPOSAL

✦ **Natural organic manure preparation - The decomposable food waste is mixed with dry leaves and cut grass to make natural and organic manure through composting.**

✦ **The same can be used as natural fertilizer for gardening in the campus.**

✦ **Reduction in chemical fertilizer.**

✦ **Non-decomposable matter like pet bottles, milk packet covers, aluminum tins, etc may be handed over to rag pickers.**

Otherwise some arrangement can be made to collect the non-decomposable waste with the local panchayat.

PREPARATION OF PIT FOR COMPOSTING

PIT SIZE: 3m length x 2m width x1m height with brick work.

Multiple no. of pits may be provided depending on requirement.

Min. two pits are required

Bottom layer is made with dry leaves of 30cm depth

Food waste and dry leaves are placed alternatively to thickness of 10cm, each.

Top surface may be covered with coconut leaves / the pit may be placed under palm leaves roof.

Wet condition may be maintained for 3-4 months.

GENERAL RECOMMENDATIONS OF SOLID WASTE MANAGEMENT

- Separation of solid waste before disposal is recommended.**
- Composting is recommended instead of open burning.**
- The compost may be used as natural fertilizers instead of chemical fertilizers.**
- The committee recommends banning the usage of plastic glasses / Non-decomposable plates / flexi-banners in the campus so as to be a role model to other educational institutions.**
- Student involvement through ‘Student Environmental clubs’ is recommended to maintain clean and green campus.**

Action Item 3:

Student Feedback parameters

- Dr.Ch. Srinivas

Feedback Parameters

- Developed based on the benchmarked parameters customised to indian context
- **Learning:**
 - 1)Teacher presented COs clearly at the beginning of the course.
 - 2)I have learned something which I consider valuable.
 - 3)My interest in the subject has increased as a consequence of this course.
- **Enthusiasm:**
 - 4)Teacher was dynamic and energetic in conducting the course.
 - 5)Teacher's style of presentation held my interest during class.
- **Organization:**
 - 6)Teacher's explanations were clear.
 - 7)Course materials were well prepared and carefully explained.
 - 8)Teacher gave lectures that facilitated taking notes.
- **Group Interaction:**
 - 9)Students were encouraged to participate in class discussions.
 - 10)Students were encouraged to ask questions and were given meaningful

Feedback Parameters Cont..

- **Individual Rapport:**

- 11)Teacher made students feel welcome in seeking help/advice in or outside of class.

- 12)Teacher was adequately accessible to students during office hours or after class.

- **Breadth:**

- 13)Teacher presented the background or origin of ideas/concepts developed in class.

- 14)Teacher adequately discussed current developments in the field

- **Examinations:**

- 15)Assessment of internal examinations were fair and appropriate.

- 16)Internal examinations tested course content as emphasized by the teacher.

- **Assignments:**

- 17)Home assignments contributed to appreciation and understanding of subject

- **Overall:**

- 18)As an overall rating, I would say this teacher is (very poor, poor, average, good, very good)

Student Perspective on new feedback parameters

- HoD CE and Dean(Academic) Interacted with sampled students in IT and CE
 - based on attendance percentage(<65, 65-75, 75 and above)
- Relevance of the questions in the feedback
 - good and they are relevant
- Language and sentence structure
 - simple
- Understanding the real intentions of the questions
 - Asked specifically about [questions 3, 4, 5, 8,12,13 and 17](#)
 - [Understood the real essence](#)
 - One student misinterpreted Q. no 4

Include Punctuality to class

Sample survey result in IT

	F1	F2	F3	F4	F5
1	3.98	4.04	3.40	3.89	3.76
2	3.85	4.20	3.23	4.07	3.67
3	3.79	4.20	3.23	3.91	3.57
4	4.21	4.08	3.12	3.93	3.60
5	3.83	4.04	3.13	4.02	3.45
6	4.13	4.06	3.13	3.98	3.52
7	4.13	4.20	3.25	3.98	3.24
8	4.00	4.18	3.02	3.93	3.50
9	3.66	4.08	3.00	4.04	3.69
10	3.74	4.08	3.15	4.07	3.64
11	3.85	4.00	3.17	3.89	3.64
12	3.96	4.04	3.19	3.96	3.48
13	3.77	4.12	3.04	3.70	3.52
14	3.57	4.12	3.13	4.02	3.45
15	3.81	4.08	3.00	3.91	3.31
16	3.89	3.94	3.19	3.91	3.43
17	4.02	4.12	3.06	3.87	3.36
18	4.17	4.22	2.88	3.96	3.38

Action Item 4:

Zebra crossing on National Highway

- Dr.B. Pandurangarao

Zebra crossing on National Highway

- Required base work is done and by 15th April it will be done

Agenda 3.

To discuss on the issue of
**obtaining sponsored research
projects**

Sponsored research

- Sponsored research in last four years

RESEARCH GRANTS 2011-12 TO 2014-15

YEAR	AICTE, UGC, DST etc.,		DRDO, ISRO etc.,		G. TOTAL
	No.of Grants	Amount	No.of Grants	Amount	
2011-12	2	1530000.00	0	0	1530000.00
2012-13	2	2062225.00	2	1658000.00	3720225.00
2013-14	1	2212000.00	2	1430000.00	3642000.00
2014-15	10	4085000.00	3	2933000.00	7018000.00
TOTAL	15	9889225.00	7	6021000.00	15910225.00

Agenda 4.

To discuss the measures required
for **increasing** the publications in
quality journals / conferences

Publications indexed in SCOPUS

- Total publications indexed in SCOPUS: 235
- Number of publications in last four years

Year	No. of Publications
2014	33
2013	26
2012	38
2011	38

Agenda 5.

To discuss on the issue of **qualification
up gradation towards Ph.D**

Agenda 5. Any other item

Next meeting : 4th week of June2015

Thank you