

Minutes Of MIS : October 2018

Date of Meeting	09.10.2018, Tuesday
Time of Meeting	2:30 p.m.
Place of Meeting	SRICT
Subject	MIS
Meeting attended by	<ol style="list-style-type: none"> 1. Mr. Ashok Panjawani (VC, ARES) 2. Dr. Snehal Lokhandwala (Principal) 3. Dr. Anant Desai (HOD, Pharma & Dyes) 4. Dr. Sanjiv Dharwadkar (Prof. Chemical Engineering) 5. Dr. Purvi Naik (HOD, MSH) 6. Dr. Alok Gautam (HOD, Chemical Engineering) 7. Mr. Samir Jaiwala (HOD, Mechanical Engg.) 8. Mr. Praful Chudasama (HOD, Electrical Engg.) 9. Mr. Shivang Ahir (Assistant Professor, Mechanical Engg.) 10. Mr. Dharmesh Patel (Manager Admin) 11. Dr. Omprakash (Professor, Chemical Engineering) 12. Dr. Hemant Gupta (Professor, Mechanical Engineering)

Minutes Of Last Meeting The minutes of last meeting read by Dr. Purvi Naik

Points discussed & decided:

Sr.No.	Points	Person Concerned
01	For Non placed students of ME ,meeting to be called as a final call	AD
02	Separate function at SRICT(centrally) for PLI cheque distribution	SL
03	Process of T&P for batch 2015	AD
04	Details on website for IV, EL, Placement, summer training	AD
05	Tribal admission: strategy to be drafted and sent to cmt. for implementation	SVD
06	Mock interviews by Pradip Gohil	AD
07	Revised UFM rules to be discussed with Shuklasir before finalizing	SA,SL
08	RRMSE will be conducted by concern dept. for sem 7 only	All HOD
09	Report of M.Sc. in MIS	SL
10	NBA eligibility of ME to be checked	AD
11	Data analysis of MSE exams	SA
12	Approval process of Electrical audit	PPC
13	MOU status of SRICT	SL,AG
14	Meeting of Mukund Suthar with Principal	SJ
15	5 chances to be given to eligible students for placement	AD
16	New reputed companies to be approached for placement	AD
17	Dept. Vision, Mission at HOD sitting, class rooms, labs	SL,HR



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18	PMKY courses availability for all branches	DDP, All HOD
19	To increase effectiveness of school visit at SRICT	SL,PN



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Minutes Of MIS : November 2018

Date of Meeting	12.11.2018,Monday
Time of Meeting	3:00 p.m.
Place of Meeting	SRICT
Subject	MIS
Meeting attended by	<ol style="list-style-type: none">1. Mr. Ashok Panjawani (VC, ARES)2. Mr. Angiras Shulka (Secretary, ARES)3. Dr. Snehal Lokhandwala (Principal)4. Dr. Anant Desai (HOD, Chemical Technology)5. Dr. Sanjiv Dharwadkar (Prof. Chemical Engineering)6. Dr. Purvi Naik (HOD, MSH)7. Dr. Alok Gautam (HOD, Chemical Engineering)8. Mr. Samir Jaiwala (HOD, Mechanical Engg.)9. Mr. Praful Chudasama (HOD, Electrical Engg.)10. Mr. Shivang Ahir (Assistant Professor, Mechanical Engg.)11. Mr. Dharmesh Patel (Manager Admin)12. Dr. Omprakash (Professor, Chemical Engineering)13. Dr. Hemant Gupta (Professor, Mechanical Engineering)14. Ms. Pratibha Gautam (Assistant Professor, DEST)

Minutes Of Last Meeting The minutes of last meeting read by Dr. Purvi Naik

Points discussed & decided:

Sr.No.	Points	Person Concerned
01	IV,EL data to be updated on SRICT website with total numbers and expert name	AD
02	Revised UFM rules to be discussed with Shuklasir before finalizing	SA,SL
03	Students should know T & P chances in advance	AD
04	MSE vs GTU result analysis summer '16	SA
05	Experienced experts to be called for EL	All HOD
06	Report of Hostel Attd.	AG,PN
07	All five depts. also should focus on 1 st year admission and marketing parallel to central marketing teams	All HOD
08	Library MIS report with new titles ,total number of copies	DDP
09	MOU status of SRICT	SL,AG



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Minutes Of MIS : Decmber 2018

Date of Meeting	04.12.2018, Tuesday
Time of Meeting	2:30 p.m.
Place of Meeting	SRICT
Subject	MIS
Meeting attended by	<ol style="list-style-type: none">1. Mr. Ashok Panjawani (VC, ARES)2. Mr. Angiras Shulka (Secretary, ARES)3. Dr. Snehal Lokhandwala (Principal)4. Dr. Anant Desai (HOD, Chemical Technology)5. Dr. Sanjiv Dharwadkar (Prof. Chemical Engineering)6. Dr. Purvi Naik (HOD, MSH)7. Dr. Alok Gautam (HOD, Chemical Engineering)8. Mr. Samir Jaiwala (HOD, Mechanical Engg.)9. Mr. Praful Chudasama (HOD, Electrical Engg.)10. Mr. Shivang Ahir (Assistant Professor, Mechanical Engg.)11. Mr. Dharmesh Patel (Manager Admin)12. Dr. Omprakash (Professor, Chemical Engineering)13. Dr. Hemant Gupta (Professor, Mechanical Engineering)14. Ms. Pratibha Gautam (Assistant Professor, DEST)

Minutes Of Last Meeting The minutes of last meeting read by Dr. Purvi Naik

Points discussed & decided:

Sr.No.	Points	Person Concerned
01	IV, EL data to be updated on SRICT website with total numbers and expert name	AD
02	Students should know T & P chances in advance	AD
03	All internal exam answer books to be stored centrally at Exam Section to avoid data loss	SA
04	Meeting with Sem 1 faculties to improve GTU results	SL, PN
05	EST and IT related courses to be checked for PMKY	SL, DDP
06	Number of PMKY courses decided for depts. as: ME: 02, EE: 02, CT: 01	Concerned HOD
07	To check interested students for courses at The University of Newcastle Australia	All HOD
08	New IV & EL to be added in each semester	All HOD



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Minutes Of MIS : January 2019

Date of Meeting	01.01.2019, Tuesday
Time of Meeting	2:30 p.m.
Place of Meeting	SRICT
Subject	MIS
Meeting attended by	<ol style="list-style-type: none">1. Mr. Ashok Panjawani (VC, ARES)2. Mr. Angiras Shulka (Secretary, ARES)3. Dr. Piyush Gupta (Principal)4. Dr. Snehal Lokhandwala (Vice Principal)5. Dr. Anant Desai (HOD, Chemical Technology)6. Dr. Sanjiv Dharwadkar (Prof. Chemical Engineering)7. Dr. Purvi Naik (HOD, MSH)8. Dr. Alok Gautam (HOD, Chemical Engineering)9. Mr. Samir Jaiwala (HOD, Mechanical Engg.)10. Mr. Praful Chudasama (HOD, Electrical Engg.)11. Mr. Shivang Ahir (Assistant Professor, Mechanical Engg.)12. Mr. Dharmesh Patel (Manager Admin)13. Dr. Omprakash (Professor, Chemical Engineering)14. Dr. Hemant Gupta (Professor, Mechanical Engineering)15. Ms. Pratibha Gautam (Assistant Professor, DEST)

Minutes Of Last Meeting The minutes of last meeting read by Dr. Purvi Naik

Points discussed & decided:

Sr.No.	Points	Person Concerned
01	All internal exam answer books to be stored centrally by Exam Section to avoid data loss	SA
02	PMKY courses to be finalized by 15-01-19 and reports to be submitted	All HOD, DDP
03	To check interested students for courses at The University of Newcastle Australia by 15-01-19	All HOD
04	HOD meeting to improve students' performance during Placement interviews	Principal, SL, AD
05	To work out viability to start college bus from Rajpipla	DDP
06	Data of faculties completing Ph.D. by 2019, 2020.	All HOD
07	All faculty accompanying the students on industrial visits must visit the industry prior to students' visit	All HOD
08	Data of all students of SRICT working as Env. Engineers in different industries	Ms. PG
09	CCTV duties to be performed more effectively particularly in CR. No. 1-4	PN

Minutes Of MIS : February 2019

Date of Meeting	01.02.2019, Friday
Time of Meeting	10:30 a.m.
Place of Meeting	SRICT
Subject	MIS
Meeting attended by	<ol style="list-style-type: none"> 1. Mr. Ashok Panjawani (VC, ARES) 2. Dr. Snehal Lokhandwala (Vice Principal) 3. Dr. Anant Desai (HOD, Chemical Technology) 4. Dr. Sanjiv Dharwadkar (Prof. Chemical Engineering) 5. Dr. Purvi Naik (HOD, MSH) 6. Dr. Alok Gautam (HOD, Chemical Engineering) 7. Mr. Samir Jaiwala (HOD, Mechanical Engg.) 8. Mr. Praful Chudasama (HOD, Electrical Engg.) 9. Mr. Shivang Ahir (Assistant Professor, Mechanical Engg.) 10. Mr. Dharmesh Patel (Manager Admin) 11. Dr. Omprakash (Professor, Chemical Engineering) 12. Dr. Hemant Gupta (Professor, Mechanical Engineering) 13. Ms. Pratibha Gautam (Assistant Professor, DEST)

Minutes Of Last Meeting The minutes of last meeting read by Dr. Purvi Naik

Points discussed & decided:

Sr.No.	Points	Person Concerned
01	All internal exam answer books to be stored centrally by Exam Section to avoid data loss	SA
02	Seats to be reserved under Mukhya Mantri Yojana EST, CT:10 each and ME,EE: 15 each	All HOD
03	To check interested students for courses at The University of Newcastle Australia . Minimum 2 students to be sent	All HOD
04	HOD meeting to improve students' performance during Placement interviews	Principal, SL, AD
05	To analyze results of Sem 7 with reference to the MSE, RMSE Results and Commitments	All HOD
06	CT Dept. has to start Branch awareness programs in schools for admission purpose	AD
07	Common T & P strategies for all branches to be defined centrally by T & P cell ,SRICT	AD
08	To check feasibility of larger Screen for effective observations for CCTV	DDP
09	MOU with GEC for EST Dept.	SL
10	All college bus must be with SRICT details	DDP
11	Brochure of 5S to be prepared	PN
12	IV, EL data to be compiled since 2011	HG, OM
13	Late comers are using M.Sc. entry .To be stopped.	SL
14	Dept. wise Data of Industries were students placed till now	All HOD



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Minutes Of MIS : March 2019

Date of Meeting	05.03.2019, Tuesday
Time of Meeting	10:00 a.m.
Place of Meeting	SRICT
Subject	MIS
Meeting attended by	<ol style="list-style-type: none">1. Mr. Ashok Panjawani (VC, ARES)2. Dr. Snehal Lokhandwala (Vice Principal)3. Dr. Anant Desai (HOD, Chemical Technology)4. Dr.Sanjiv Dharwadkar (Prof. Chemical Engineering)5. Dr. Purvi Naik (HOD, MSH)6. Dr. Alok Gautam (HOD, Chemical Engineering)7. Mr. Samir Jaiwala (HOD, Mechanical Engg.)8. Mr. Praful Chudasama (HOD, Electrical Engg.)9. Mr.Krunal Suthar (Assistant Professor, Chemical Engg.)10. Mr. Dharmesh Patel (Manager Admin)11. Dr. Omprakash(Professor, Chemical Engineering)12. Dr. Hemant Gupta (Professor, Mechanical Engineering)

Minutes Of Last Meeting The minutes of last meeting read by Dr. Purvi Naik

Points discussed & decided:

Sr.No.	Points	Person Concerned
1	All internal exam answer books to be stored centrally by Exam Section to avoid data loss	SA
2	Seats to be reserved under Mukhya Mantri Yojana EST, CT:10 each and ME,EE: 15 each (First Year and 3rd Sem Both)	All HOD
3	HOD meeting to improve students' performance during Placement interviews particularly for CT students	SL, AD
4	To analyze results of Sem 3,5,7 with reference to the MSE,RMSE Results and Commitments	All HOD
5	To check feasibility of larger Screen for effective observations for CCTV and to finalize the best suitable	DDP
6	All college bus must be with SRICT details	DDP
7	Dept. wise Data of Industries where students placed till now	All HOD
8	To analyze 3 rd sem results excluding DtoD	SA
9	1-2-1 Meetings to be done of all absentees with Dr. SL during 5 to 9 March 2019	All HOD
10	Data of AEM failed students Branch wise, Batch wise since 2011	SA
11	Students with good performance in extracurricular activities should also be highlighted like academic performers	SL
12	Mikul Patel: sem 2, Mechanical Eng. (Adm. Batch 2017)will be mentored by Dr. SVD	Dr. SVD

Minutes Of MIS : April 2019

Date of Meeting	12.04.2019, Friday
Time of Meeting	10:30 a.m.
Place of Meeting	SRICT
Subject	MIS
Meeting attended by	<ol style="list-style-type: none"> 1. Mr. Ashok Panjawani (VC, ARES) 2. Dr. Snehal Lokhandwala (Vice Principal) 3. Dr. Anant Desai (HOD, Chemical Technology) 4. Dr. Sanjiv Dharwadkar (Prof. Chemical Engineering) 5. Dr. Purvi Naik (HOD, MSH) 6. Mr. Samir Jaiwala (HOD, Mechanical Engg.) 7. Mr. Praful Chudasama (HOD, Electrical Engg.) 8. Mr. Shivang Ahir (Assistant Professor, Mechanical Engg.) 9. Mr. Dharmesh Patel (Manager Admin) 10. Dr. Omprakash (Professor, Chemical Engineering) 11. Dr. Hemant Gupta (Professor, Mechanical Engineering) 12. Ms. Pratibha Gautam (Assistant Professor, DEST)

Minutes Of Last Meeting The minutes of last meeting read by Dr. Purvi Naik

Points discussed & decided:

Sr.No.	Points	Person Concerned
1	All internal exam answer books to be stored centrally by Exam Section to avoid data loss	SA
2	Reason for GTU rank down after re assessment results	SA
3	Separate result analysis of D to D students	SA
4	List of pending documents which need signature of Dr. SJW	SVD
5	SRICT Attendance comparison 2017-18 and 2018-19	PN
6	To show PG and M.Sc. attendance in MIS	PN
7	SRICT admission and scholarship policy to be effectively presented on Website and other media	DDP
8	To check and finalize the total number of PLI to be conducted dept. wise	SJ,SL
9	MSE and RMSE results to be declared within 3 days and same day after end of exams respectively	SA
10	Data of AEM failed students Branch wise, Batch wise since 2011	SA
11	Action plan for the subject if GTU rank is > 5	All HOD
12	Important slots to be kept in beginning and end of the day in TT	All HOD
13	Result Analysis to be done for all subjects for all the years	SA
14	Report to be submitted in 10 days on how to improve result for Mechanical Engineering students.	HG
15	Marketing of Patent obtained.	SL
16	Only Name, Logo & Tagline to be placed in all the branding on buses.	DDP



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Minutes Of MIS : May 2019

Date of Meeting	01.05.2019, Wednesday
Time of Meeting	10:00 a.m.
Place of Meeting	SRICT
Subject	MIS
Meeting attended by	<ol style="list-style-type: none">1. Mr. Ashok Panjawani (VC, ARES)2. Dr. Snehal Lokhandwala (Vice Principal)3. Dr. Anant Desai (HOD, Chemical Technology)4. Dr. Sanjiv Dharwadkar (Prof. Chemical Engineering)5. Dr. Alok Gautam (HOD, Chemical Engineering)6. Dr. Purvi Naik (HOD, MSH)7. Mr. Samir Jaiwala (HOD, Mechanical Engg.)8. Mr. Praful Chudasama (HOD, Electrical Engg.)9. Mr. Shivang Ahir (Assistant Professor, Mechanical Engg.)10. Mr. Dharmesh Patel (Manager Admin)11. Dr. Omprakash (Professor, Chemical Engineering)12. Dr. Hemant Gupta (Professor, Mechanical Engineering)13. Ms. Pratibha Gautam (Assistant Professor, DEST)

Minutes Of Last Meeting The minutes of last meeting read by Dr. Purvi Naik

Points discussed & decided:

Sr.No.	Points	Person Concerned
1	To check Criteria to apply for NAAC certification	SL
2	To analyze Which college is better than SRICT in GTU result	SA
3	Total number of PLI 35(10 from first year)	All HOD
4	Role and responsibility of exam coordinator, Course coordinator Etc. to be defined	SA
5	Bio Metric Attendance system to be introduced	DDP
6	Bus facility from Baroda: to be advertised	DDP
7	Marketing program to be arranged in Vapi, Valsad, Rajkot, Anand, Baroda	DDP, SL
8	Faculties should take Industrial training during vacation	All HOD
9	Awards to student alumni after 5,10,15,20 years in different category	SL
10	Placement highlights with photos of students on social media	AD
11	Result analysis BUS wise and for Hostel Students	SA
12	100% placements to be achieved by Dr. Anant Desai before his relieving date	AD
13	All faculty should be active on social media to promote SRICT	All HOD
14	Marketing of Patent obtained, PhD students under SRICT	SL
15	Admission marketing – Branding on BRTS buses in Surat	AD
16	Students' Council to be made, Put in Managing Committee	SL



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	Meeting	
17	Canteen – More benches required	DDP
18	New Bus routes for Netrang & Rajpipla Chowkdi	DDP
19	Dedicated person for students interaction to be recruited under DDP	DDP
20	Mentors will ensure students attendance	All HOD,Mentors
21	Hostel Wake up call to be set everyday	DDP
22	Result analysis of sem 1,3,5,7 for current year and last year-Comparison	SA
23	Press notes on all updates to be given	DDP
24	All faculties must work to get admissions	All HOD

Minutes of meeting held on 25th June 2018, Venue: Seminar Hall 1, at SRICT

Present: BDD, BT, SG, AG, HKB, NN, HP, NB, VJ, SVD, JM, AD, SC, MK, KI

Sub: Review of progress made by individual groups on projects initiated by BEIL/ETL/Shivalik at SRICT

Important Comments:

- (1) Send ppt of project two days in advance to SG, AAP, BDD, BT, AS.
- (2) Note down the number of hours spent in the log book.

Action points are marked with*

1) Bio-diesel from Jatropha seeds (Jigesh Mehta, Mr. Bharat Trivedi, Dr. Alok Gautam)

Different concentrations for pre-treatment of jatropha oil was carried out before bio diesel production.

*Continuous operation of biodiesel production will be carried out.

2) Electrochemical oxidation of wastewater (Mr. Praful Chudasama, Mr. Manoj Kumar, Dr. Alok Gautam, Prof. S Guha)

Experiments at different Re number were tried and degradation of COD was obtained.

* (a) Electrolysis of wastewater with combination of electrodes will be carried out.

3) Plastic Waste to fuel (Mr. Kartik, Mr. Hemant, Prof. J B Joshi/ Prof. S V Dharwadkar)

Pyrolysis of raffia was done and yield of oil and gas were obtained. Characterization of the char and oil was discussed with GC-MS.

*(a) Some more characterization of the char and oil will be done.

4) Recovery of precious metals from Electronic Waste (Mr. Sourav Choubey, Dr. Shina Gautam)

Dismantling machine is ready to use. Final drawing will be made with Parikh Sir's draftsman. Electrolysis of leached solution has been carried out.

*(a) Literature on electrolysis of leached solution will be carried out and experiments will be done.

5) Refuse derived fuel to Syngas - (Dr. Alok Gautam, Ms Nirali Tharwala, Bharat Trivedi)

Fabrication of gassifier is done.

*Cold trials and hot trials will be done.

6) Recovery of Lead from used batteries (Dr. Alok Gautam, Mr. Harshal Patil)

Paint from lead oxide was tried and formed successfully.

*More experiments will be done for paint formation and other new chemicals will be explored to form.

7) Recovery and recycling of used oil (Mr. Niraj Nair, Dr. A B Desai)

Dehydration of sample was done before vacuum distillation. Light oil separation was carried out.

*Experiment with large volume will be tried with chemical pre-treatment.

8 Paint Sludge to primer (Mr. Nilesh Badgujar, Mr. Harshal Patil)

Specification of paint for marking was discussed. Process for automotive sludge was also discussed.

*(a) Formulation from automotive sludge paint will be applied for marking.

9) Silver recovery from COD test wastewater (Dr. Shina Gautam, Dr Alok Gautam)

Quotation with Khodiyar lab has been finalised, fabrication is in process.

10) Biopolymer from biomass (Dr. Shina Gautam, Dr. Maulin Shah)

Polymer sheets have been tried to make smooth sheets.

*(a) Additives will be tried to make more elastic sheets.

11) Jitali Project (Ms Pratibha Gautam, Dr. Maulin Shah, Mr. Narendra Bhatt)

No update was received.

Minutes of meeting held on 23rd July 2018, Venue: Seminar Hall 1, at SRICT

Present: BDD, BT, SG, AG, HKB, SVD, NN, HP, NB, VJ, SVD, JM, AD, SC, KI

Sub: *Review of progress made by individual groups on projects initiated by BEIL/ETL/Shivalik at SRICT*

Important Comments:

- (1) Send ppt of project two days in advance to SG, AAP, BDD, BT, AS.
- (2) Note down the number of hours spent in the log book.

Action points are marked with*

1) Bio-diesel from Jatropha seeds (Mr. Bharat Trivedi, Dr. Alok Gautam)

Further experiments on batch system have been carried out with pre-treatment of oil and recovery of biodiesel was optimized.

*Continuous operation of biodiesel production will be carried out.

2) Electrochemical oxidation of wastewater (Mr. Praful Chudasama, Mr. Manoj Kumar, Dr. Alok Gautam, Prof. S Guha)

Further experiments as per suggestion of Prof Guha at different Re number were tried and degradation of COD was obtained with combination of electrodes. Data has been sent to Prof Guha, meeting at skype is awaited.

* (a) Degradation of COD experiment at different parameters will be carried out.

3) Plastic Waste to fuel (Mr. Kartik, Mr. Hemant, Prof. J B Joshi/ Prof. S V Dharwadkar)

Pyrolysis of raffia was done and yield of oil and gas were obtained. Characterization of the char and oil was discussed and proximate analysis was also done.

*(a) Condensation of gases will be improved by brine or chilled water.

4) Recovery of precious metals from Electronic Waste (Mr. Sourav Choubey, Dr. Shina Gautam)

Drawing of e waste dismantling machine was made with Parikh Sir's draftsman.

Leaching of plastic waste from different samples were done from Shivalik. Literature was searched for suitable electrodes and it is in procurement.

*(a) Electrolysis of leached solution will be carried out with new electrodes of Cu and Lead.

5) Refuse derived fuel to Syngas - (Dr. Alok Gautam, Ms Nirali Tharwala, Bharat Trivedi)

Fabrication of gassifier is done.

*Cold trials and hot trials will be done.

6) Recovery of Lead from used batteries (Dr. Alok Gautam, Mr. Harshal Patil)

Different lead oxide concentration was tried for dispersion in paint formation.

*Storage capability of the paint formed will be evaluated.

7) Recovery and recycling of used oil (Mr. Niraj Nair, Dr. A B Desai)

Quantity of the sample was increased and acid treatment was tried as pretreatment method for waste oil.

*Characterization of distillate will be done by GC-MS.

8 Paint Sludge to primer (Mr. Nilesh Badgujar, Mr. Harshal Patil)

Road marking paint from fan sludge was for spray application was done. Characterization of paint was carried out.

*(a) Formulation from automotive sludge paint will be applied for marking.

9) Silver recovery from COD test wastewater (Dr. Shina Gautam, Dr Alok Gautam)

Pilot scale facility has been fabricated by Khodiyar Lab, few modifications are required and will be rectified. Pump for set up is in purchase.

10) Biopolymer from biomass (Dr. Shina Gautam, Dr. Maulin Shah)

Maleic anhydride is just received for making flexible sheets.

*(a) biopolymer films will be made using this chemical.

11) Jitali Project (Ms Pratibha Gautam, Dr. Maulin Shah, Mr. Narendra Bhatt)

1 ton compost is ready.

2 sheds have been made.

Minutes of meeting held on 28th August 2018, Venue: Seminar Hall 1, at SRICT

Present: AAP, SL, AA, SG, BDD, BT, SG, AG, HKB, KI, SVD, NN, HP, NB, VJ, JM, AD, SC, KI, PC, MK, SC, NT, AD, PG.

Sub: *Review of progress made by individual groups on projects initiated by BEIL/ETL/Shivalik at SRICT*

Important Comments:

- (1) Send ppt of project two days in advance to SG, AAP, BDD, BT, AS.
- (2) Note down the number of hours spent in the log book.

Action points are marked with*

1) Bio-diesel from Jatropha seeds (Mr. Bharat Trivedi, Dr. Alok Gautam)

Further experiments on batch system have been carried out with pre-treatment of oil and recovery of biodiesel was optimized.

*Continuous operation of biodiesel production will be carried out.

2) Electrochemical oxidation of wastewater (Mr. Praful Chudasama, Mr. Manoj Kumar, Dr. Alok Gautam, Prof. S Guha)

Further experiments as per suggestion of Prof Guha at different Re number and increased voltage were tried and degradation of COD was obtained with combination of electrodes. Data has been sent to Prof Guha, meeting at skype was done.

* (a) Degradation of COD experiment at different increasing voltage will be carried out and data will be sent to Prof Guha.

3) Plastic Waste to fuel (Mr. Kartik, Mr. Hemant, Prof. J B Joshi/ Prof. S V Dharwadkar)

New batch reactor set up was run for experiments. Kinetic study was done for aglo.

*(a) Experiments for aglo will be done on the new set up.

4) Recovery of precious metals from Electronic Waste (Mr. Sourav Choubey, Dr. Shina Gautam)

Electrodes to carry out electrolysis are in procurement. Leaching of metals from char after pyrolysis was done.

*(a) Electrolysis of leached solution will be carried out with new electrodes of Lead.

5) Refuse derived fuel to Syngas - (Dr. Alok Gautam, Ms Nirali Tharwala, Bharat Trivedi)

Fabrication of gassifier is done.

*Cold trials and hot trials will be done.

6) Recovery of Lead from used batteries (Dr. Alok Gautam, Mr. Harshal Patil)

Dispermat was used to grind material and pigment was used for paint formulation.

*grids will be tried to extract lead.

7) Recovery and recycling of used oil (Mr. Niraj Nair, Dr. A B Desai)

Increased quantity of oil was used in the set up and yield were obtained at different conditions.

*More experiments will be done to optimize the process.

8) Paint Sludge to primer (Mr. Nilesh Badgujar, Mr. Harshal Patil)

Fan sludge filler was used to make paint and characterization was done.

*(a) Paint saleability will be checked.

9) Silver recovery from COD test wastewater (Dr. Shina Gautam, Dr Alok Gautam)

Pilot scale facility has been fabricated by Khodiyar Lab. Pump and ladder for set up is in purchase.

* Silver nitrate from silver chloride will be tried to make.

10) Biopolymer from biomass (Dr. Shina Gautam, Dr. Maulin Shah)

Maleic anhydride was used to make composite of biopolymer.

*(a) Further purification of biopolymer will be tried.

11) Jitali Project (Ms Pratibha Gautam, Dr. Maulin Shah, Mr. Narendra Bhatt)

- Water availability needs to be rectified.
- Planning for an awareness program.

Minutes of meeting held on 23th October 2018, Venue: Seminar Hall 1, at SRICT

Present: AAP, SL, AA, SG, BT, SG, AG, HKB, KI, SVD, NN, HP, VJ, JM, AD, SC, KI, PC, MK, SC, NT, AD, PG.

Sub: *Review of progress made by individual groups on projects initiated by BEIL/ETL/Shivalik at SRICT*

Important Comments:

- (1) Send ppt of project two days in advance to SG, AAP, BDD, BT, AS.
- (2) Note down the number of hours spent in the log book.

Action points are marked with*

1) Bio-diesel from Jatropha seeds (Mr. Bharat Trivedi, Dr. Alok Gautam)

Material balance of the process was discussed.

* 5 L continuous pilot scale design will be done.

2) Electrochemical oxidation of wastewater (Mr. Praful Chudasama, Mr. Manoj Kumar, Dr. Alok Gautam, Prof. S Guha)

Analysis of experimental data were done for calculation of ICE.

* (a) Experiments and data analysis will be done suggested by Prof Guha.

3) Plastic Waste to fuel (Mr. Kartik, Mr. Hemant, Prof. J B Joshi/ Prof. S V Dharwadkar)

Batch and kinetic studies were discussed for Aglo, raffia.

*(a) Experiments for mixed plastic will be done on the new set up.

4) Recovery of precious metals from Electronic Waste (Mr. Sourav Choubey, Dr. Shina Gautam)

Extraction of gold with SMB method was tried and separated however amount was less.

*(a) Electrolysis of leached solution and more experiments on precipitation of gold by SMB will be carried out.

5) Refuse derived fuel to Syngas - (Dr. Alok Gautam, Ms Nirali Tharwala, Bharat Trivedi)

Fabrication of gassifier is done.

*Cold trials and hot trials will be done.

6) Recovery of Lead from used batteries (Dr. Alok Gautam, Mr. Harshal Patil)

Pigment and paint form paste of the batteries was successfully converted. Few more experiments will be done to confirm yield.

*Whole process will be finalised.

7) Recovery and recycling of used oil (Mr. Niraj Nair, Dr. A B Desai)

Experiments on waste oil were shown. Sample from shivalik has been received.

*Final experiments will be done on the sample of used oil from Shivalik.

8) Paint Sludge to primer (Mr. Nilesh Badgujar, Mr. Harshal Patil)

Paint saleability was shown. Fan sludge filler was used to make paint and characterization was done.
*(a) Cylinder and automobile paint sludge process will be finalised.

9) Silver recovery from COD test wastewater (Dr. Shina Gautam, Dr Alok Gautam)

Pilot scale is ready.

* Operator will come and plant will be in operation.

10) Biopolymer from biomass (Dr. Shina Gautam, Dr. Maulin Shah)

Purified biopolymer was extracted from biomass with chloroform.

*(a)Material balance and yield calculation will be done.

11) Jitali Project (Ms Pratibha Gautam, Dr. Maulin Shah, Mr. Narendra Bhatt)

- Plantation, irrigation and plastic collection are going well.
- More space for vegetable garden is proposed.

Minutes of meeting held on 29th November 2018, Venue: Seminar Hall 1, at SRICT

Present: BDD, AA, SG, BT, SG, AG, HKB, KI, SVD, NN, HP, VJ, SC, PC, MK, SC, AD, PG, NB.

Sub: *Review of progress made by individual groups on projects initiated by BEIL/ETL/Shivalik at SRICT*

Important Comments:

- (1) Send ppt of project two days in advance to SG, AAP, BDD, BT, AS.
- (2) Note down the number of hours spent in the log book.

Action points are marked with*

1) Bio-diesel from Jatropha seeds (Mr. Bharat Trivedi, Dr. Alok Gautam)

Pilot scale of 5 l/h will be designed.

2) Electrochemical oxidation of wastewater (Mr. Praful Chudasama, Mr. Manoj Kumar, Dr. Alok Gautam, Prof. S Guha)

Analysis as per suggestion by Prof Guha during visit at IIT Kanpur was shown and comparison of different electrodes and their rate of COD removal was discussed.

* (a) Experiments and data analysis will be done suggested by Prof Guha.

3) Plastic Waste to fuel (Mr. Kartik, Mr. Hemant, Prof. J B Joshi/ Prof. S V Dharwadkar)

Pilot scale experiments on raffia and aglo were discussed.

*(a) Feeder design and experiments on the existing pilot scale will be done.

4) Recovery of precious metals from Electronic Waste (Mr. Sourav Choubey, Dr. Shina Gautam)

Extraction of gold with aquaregia was done. Nitrate ions were removed by SMB and electrowinning was done. A precipitate was observed.

*(a) More experiments will be done and analysis will be done.

5) Refuse derived fuel to Syngas - (Dr. Alok Gautam, Ms Nirali Tharwala, Bharat Trivedi)

Fabrication of gassifier is done.

*Cold trials and hot trials will be done.

6) Recovery of Lead from used batteries (Dr. Alok Gautam, Mr. Harshal Patil)

Process is finalised with 2-3 times recycling of wastewater. An RO quotation was discussed for final discharge of wastewater.

* RO will be used for final discharge.

7) Recovery and recycling of used oil (Mr. Niraj Nair, Dr. A B Desai)

Experiment on waste oil at different cuts was shown.

* Some more experiments will be done and vacuum pump will be procured.

8) Paint Sludge to primer (Mr. Nilesh Badgajar, Mr. Harshal Patil)

Application of automotive paint sludge were discussed. Report on the other two processes was submitted.

*(a) Polymer composite of automotive paint will be done with characterization.

9) Silver recovery from COD test wastewater (Dr. Shina Gautam, Dr Alok Gautam)

Pilot scale is operating 50 l have been processed.

* 150 l is remaining and will be treated within 2-3 days more wastewater will come from ETL and BEIL.

10) Biopolymer from biomass (Dr. Shina Gautam, Dr. Maulin Shah)

Experiments with molasses were tried and yield of biomass is similar to wastewater of ETL.

*(a) More experiments will be done for molasses and parallel biomass from ETL will be used for biopolymer extraction.

11) Jitali Project (Ms Pratibha Gautam, Dr. Maulin Shah, Mr. Narendra Bhatt)

- Vegetables are growing well.
- 2000 square feet land will be acquired for farming.

Minutes of meeting held on 21st December 2018, Venue: Seminar Hall 1, at SRICT

Present: BDD, AA, SG, BT, SG, AG, HKB, KI, SVD, NN, HP, VJ, SC, PC, MK, SC, AD, PG, NB.

Sub: *Review of progress made by individual groups on projects initiated by BEIL/ETL/Shivalik at SRICT*

Important Comments:

- (1) Send ppt of project two days in advance to SG, AAP, BDD, BT, AS.
- (2) Note down the number of hours spent in the log book.

Action points are marked with*

1) Bio-diesel from Jatropha seeds (Mr. Bharat Trivedi, Dr. Alok Gautam)

Design of half pilot scale was shown in ASPEN.

* Design will be completed and discussed in next meeting.

2) Electrochemical oxidation of wastewater (Mr. Praful Chudasama, Mr. Manoj Kumar, Dr. Alok Gautam, Prof. S Guha)

As per suggestion by Prof Guha, for rate constant calculation, partial differential equation was solved by Euler-forward method.

* (a) Euler-backward method will be used suggested by Prof Guha.

3) Plastic Waste to fuel (Mr. Kartik, Mr. Hemant, Prof. J B Joshi/ Prof. S V Dharwadkar)

A preliminary design for continuous mode in the existing pilot scale was discussed.

*(a) Feeder design and experiments on the existing pilot scale will be done.

4) Recovery of precious metals from Electronic Waste (Mr. Sourav Choubey, Dr. Shina Gautam)

Extraction of gold with aquaregia was done. Nitrate ions were removed by SMB and electrowinning was done. A precipitate was observed.

*(a) More experiments will be done and analysis will be done.

5) Refuse derived fuel to Syngas - (Dr. Alok Gautam, Ms Nirali Tharwala, Bharat Trivedi)

Cold trials have been done.

*Cold trials and hot trials will be done.

6) Recovery of Lead from used batteries (Dr. Alok Gautam, Mr. Harshal Patil)

RO was used for wastewater from process of lead pigment. TDS of less than 100 ppm was obtained.

* RO will be integrated with process for recycling of wastewater.

7) Recovery and recycling of used oil (Mr. Niraj Nair, Dr. A B Desai)

Experiments were carried out at 650-710 mm Hg and high residue was observed.

* Run experiment at full vacuum (758 mm Hg), Material balance will be done.

8) Paint Sludge to primer (Mr. Nilesh Badgajar, Mr. Harshal Patil)

Some experiments were done for automotive paint sludge.

*(a) Different parties will be approached for selling know-how.

9) Silver recovery from COD test wastewater (Dr. Shina Gautam, Dr Alok Gautam)

0.75 kg of both reagents were recovered.

* Minor changes in design will be done to increase performance of the setup.

10) Biopolymer from biomass (Dr. Shina Gautam)

Experiments with molasses were tried and yield of biomass is similar to wastewater of ETL.

*(a) More experiments will be done for molasses and parallel biomass from ETL will be used for biopolymer extraction.

11) Jitali Project (Ms Pratibha Gautam, Dr. Maulin Shah, Mr. Narendra Bhatt)

- There was nothing much to update.

Minutes of meeting held on 30th January 2019, Venue: Seminar Hall 1, at SRICT

Present: BDD, AA, SG, BT, SG, AG, HKB, KI, SVD, NN, HP, VJ, SC, PC, MK, SC, AD, PG, NB.

Sub: *Review of progress made by individual groups on projects initiated by BEIL/ETL/Shivalik at SRICT*

Important Comments:

- (1) Send ppt of project two days in advance to SG, AAP, BDD, BT, AS.
- (2) Note down the number of hours spent in the log book.

Action points are marked with*

1) Bio-diesel from Jatropha seeds (Mr. Bharat Trivedi, Dr. Alok Gautam)

Design of pilot scale was shown in ASPEN.

* Quotations for fabrication will be called and as per approval, fabrication will be started.

2) Electrochemical oxidation of wastewater (Mr. Praful Chudasama, Mr. Manoj Kumar, Dr. Alok Gautam, Prof. S Guha)

As per suggestion by Prof Guha, rate constant calculation, partial differential equation was solved.

* (a) Further calculations with other method and results will be discussed with Prof Guha .

3) Plastic Waste to fuel (Mr. Kartik, Mr. Hemant, Prof. J B Joshi/ Prof. S V Dharwadkar)

A preliminary design for continuous mode in the existing pilot scale was discussed. Results of rafiya oil recovery were discussed.

*(a) Road waste sample will be used for oil recovery.

4) Recovery of precious metals from Electronic Waste (Mr. Sourav Choubey, Dr. Shina Gautam)

For precious metals recovery SS 316 electrodes were tried. Results analysis will come in 2-3 days.

Dismantling machine is fabricated at Shivalik and working fine.

*(a) Grade of SS electrode will be checked. More literature review will be done. SOP for dismantling machine as well as log sheet for parts removal and quantity handled will be done.

5) Refuse derived fuel to Syngas - (Dr. Alok Gautam, Ms Nirali Tharwala, Bharat Trivedi)

Sparger design was discussed for cold trials for air distribution in gassifier.

*Sparger design shall be finalized and cold trials will be done.

6) Recovery of Lead from used batteries (Dr. Alok Gautam, Mr. Harshal Patil)

A process for lead oxide and cost estimation report has been submitted to Shivalik.

7) Recovery and recycling of used oil (Mr. Niraj Nair, Dr. A B Desai)

With incremental vacuum and temperature, experiment for oil recovery was done.

* Run experiment at full vacuum and increase temperature when oil stop coming after condenser.

8) Paint Sludge to primer (Mr. Nilesh Badgajar, Mr. Harshal Patil)

1% filler of automotive sludge was used for making epoxy sheets. Preliminary sample analysis was done on sample received from Pointa Shaib industry from Himachal.

*(a) Process development for the sample received will be done.

9) Silver recovery from COD test wastewater (Dr. Shina Gautam, Dr Alok Gautam)

Leakage was there in setup so only few runs were done.

* Leakages will be rectified and metals will be recovered.

10) Biopolymer from biomass (Dr. Shina Gautam)

Material balance was done and 2 % recovery of final biopolymer was obtained.

*(a) Report will be made to summarize the project.

11) Jitali Project (Ms Pratibha Gautam, Dr. Maulin Shah, Mr. Narendra Bhatt)

- Vegetable garden at Jitali village will be started on fast track. Segregation of plastic waste will be rectified.
- Dahej village was visited and solid waste management existed was understood. Work will be started soon there.

Minutes of meeting held on 23rd February 2019, Venue: Seminar Hall 1, at SRICT

Present: AAP BDD, , SG, BT, SG, AG, HKB, KI, SVD, NN, HP, VJ, SC, PC, MK, SC, AD, PG, NB.

Sub: *Review of progress made by individual groups on projects initiated by BEIL/ETL/Shivalik at SRICT*

Important Comments:

(1) Send ppt of project two days in advance to SG, AAP, BDD, BT, AS.

(2) Note down the number of hours spent in the log book.

1) Bio-diesel from Jatropha seeds (Mr. Bharat Trivedi, Dr. Alok Gautam)

Project to be closed and final report to be submitted.

2) Electrochemical oxidation of wastewater (Mr. Praful Chudasama, Mr. Manoj Kumar, Dr. Alok Gautam, Prof. S Guha)

Conf. call with Dr. Guha to be planned. It was suggested to update Dr. Guha regularly. It was discussed to develop students / faculties under Dr. Alok Gautam to work on MATLAB for this project.

3) Plastic Waste to fuel (Mr. Kartik, Mr. Hemant, Prof. J B Joshi/ Prof. S V Dharwadkar)

It was discussed that gas + oil yield from oil waste is satisfactory. In one experiment 87% yield has been achieved. During last month, lab experiments were carried out. Next month plant is to go for pilot plant. Oil characteristics to be checked.

4) Recovery of precious metals from Electronic Waste (Mr. Sourav Choubey, Dr. Shina Gautam)

It was discussed that more literature survey to be done in order to remove Copper / Lead / Tin / other metals to get gold / silver.

5) Refuse derived fuel to Syngas - (Dr. Alok Gautam, Ms Nirali Tharwala, Bharat Trivedi)

Sparger design was discussed for cold trials for air distribution in gassifier.

*Sparger design shall be finalized and cold trials will be done.

6) Recovery of Lead from used batteries (Dr. Alok Gautam, Mr. Harshal Patil)

Project Report submitted. BDD / BRT /AS to discuss and suggest future steps to be taken.

7) Recovery and recycling of used oil (Mr. Niraj Nair, Dr. A B Desai)

Experiment to be continued with constant vacuum and increase in temperature. BRT to guide how it is being operated in plant. Each experiment to be discussed with BRT. Mcleod manometer for measurement of vacuum to be procured. R&D team is able to give 18-20 Hrs per month for the project. It was advised to give more time.

8) Paint Sludge to primer (Mr. Nilesh Badgujar, Mr. Harshal Patil)

Proposal to be prepared for client at earliest. R&D team is working on formulation of sheet for automobile application. Local parties to be identified and contacted for gas cylinder application/ automobile application.

9) Silver recovery from COD test wastewater (Dr. Shina Gautam, Dr Alok Gautam)

It was discussed that there are leakages in pilot plant which is to be addressed by M/s. Khodiyar. Other leakages issues: Sathish Gadam to update on daily basis.

10) Biopolymer from biomass (Dr. Shina Gautam)

The project has been closed and report will be submitted.

11) Jitali Project (Ms Pratibha Gautam, Dr. Maulin Shah, Mr. Narendra Bhatt)

(1) Cement tank repair work executed during previous month.

(2) Ms Pratibha and NBB to meet BDD once in 15 days.

(3) Other village to be added from where we can take waste at Jitali. NBB to discuss with AAP. PL to coordinate.

*** From next R&D meeting, presentation from Dr. Purvi and Mr. Praful to be included in meeting.**

Minutes of meeting held on 26th March 2019, Venue: Seminar Hall 1, at SRICT

Present: BDD, SL, SG, BT, AG, HKB, KI, SVD, NN, HP, VJ, PC, MK, AD, PG, NB, NT, HP, VP.

Sub: *Review of progress made by individual groups on projects initiated by BEIL/ETL/Shivalik at SRICT*

Important Comments:

- (1) Send ppt of project two days in advance to SG, AAP, BDD, BT, AS.
- (2) Note down the number of hours spent in the log book.

1) Electrochemical oxidation of wastewater (Mr. Praful Chudasama, Mr. Manoj Kumar, Dr. Alok Gautam, Prof. S Guha)

Change in concentration with time versus current was tried and correlation between them was suggested to find out by Guha Sir. The relation was not achieved. The same was communicated to Prof Guha. Soon to have skype meeting for the same.

2) Plastic Waste to fuel (Mr. Kartik, Mr. Hemant, Prof. J B Joshi/ Prof. S V Dharwadkar)

Road waste oil and gas was discussed, it's calorific value was 6000 kcal/gm. Continuous plant operation will be done at pilot scale unit.

3) Recovery of precious metals from Electronic Waste (Mr. Sourav Choubey, Dr. Shina Gautam)

Commercial processes of e-waste metal extraction were discussed where pyrometallurgy and smelting is a major step. Later electrochemical method was used. As per discussion with Mahajani Sir, methyl sulphonic acid should be used for metal extraction and resins must be used for particular metal ions separation. Literature is going on for the same.

4) Refuse derived fuel to Syngas - (Dr. Alok Gautam, Ms Nirali Tharwala, Bharat Trivedi)

Sparger design was discussed for cold trials for air distribution in gassifier.

*Sparger design shall be finalized and cold trials will be done.

5) Recovery and recycling of used oil (Mr. Niraj Nair, Dr. A B Desai)

Residue weight to be measured separately along with calculation from specific gravity. Target yield is 85% to 90%, real sample to be taken from SSWML.

McLeod gauge will be procured to measure accurate vacuum.

6) Paint Sludge to primer (Mr. Nilesh Badgujar, Mr. Harshal Patil)

Paint sludge processes for top coat paint and primer were discussed along with costing.

Project profile to be prepared and to be submitted to Client.

7) Silver recovery from COD test wastewater (Dr. Shina Gautam, Dr Alok Gautam)

Wastewater from ETL is received and processing is going on. The problems in the set up was rectified by Khodiyar lab. The plant is working ok.

8) Jitali Project (Ms Pratibha Gautam, Dr. Maulin Shah, Mr. Narendra Bhatt)

In Jitali

- (1) Kitchen waste processing is going on.
- (2) Plastic waste processing is having issue.

(3) Half space of garden is developed.

In Dahej

Draft is prepared and discussed with Dalwadi sir.

9) 5 S Consultancy (Dr Purvi Naik)

(1) certification already done in BEIL, ETL

(2) BEIL Dahej in final phase

(3) Godrej, Shivalik, CETP Baddi in progress

10) Energy Audit (Mr Praful Chudasama)

Received Work order from BEIL Ankleshwar

GRP : Technical discussion held during visit to GRP. Proposal sent.

Godrej :Meeting held. It is to be concluded.

Aprox. 15 companies have contacted and in pipeline.

NCTL : Meeting to be organized in next 2-3 days.

Minutes of meeting held on 22nd April 2019, Venue: Seminar Hall 1, at SRICT

Present: AAP, BDD, SL, SG, BT, AG, HKB, KI, SVD, NN, HP, VJ, PC, MK, AD, PG, NB, NT, HP, VP.

Sub: Review of progress made by individual groups on projects initiated by BEIL/ETL/Shivalik at SRICT

Important Comments:

- (1) Send ppt of project two days in advance to SG, AAP, BDD, BT, AS.
- (2) Note down the number of hours spent in the log book.

1) Electrochemical oxidation of wastewater (Mr. Praful Chudasama, Mr. Manoj Kumar, Dr. Alok Gautam, Prof. S Guha)

Calculations were done as per suggestion of Prof Guha and change in result was observed. Other problems in data analysis was communicated to Prof Guha and will soon have skype meeting to know the possible solution.

As per suggestion of AAP don't waste time on FE^0 electrodes and finalize the design with existing electrodes data.

2) Plastic Waste to fuel (Mr. Kartik, Mr. Hemant, Prof. J B Joshi/ Prof. S V Dharwadkar)

Road waste oil and gas was discussed, it's calorific value was 7000 kcal/gm. Pilot plant operation will be done.

Another pilot scale will be discussed with AAP, BDD, BT and RPP during BEI R&D meeting.

3) Recovery of precious metals from Electronic Waste (Mr. Sourav Choubey, Dr. Shina Gautam)

Focus to be on value addition to current process adopted by SSWML for E-waste separation. It was discussed to recover Copper / Nickle from E-waste as first step for recovery of precious metal. Dr. Shina Gautam along with one Engineer from BEIL Marketing team to visit Shivalik to see E-waste project.

4) Refuse derived fuel to Syngas - (Dr. Alok Gautam, Ms Nirali Tharwala, Bharat Trivedi)

Sparger design was discussed for cold trials for air distribution in gassifier.

*Sparger design shall be finalized and cold trials will be done.

5) Recovery and recycling of used oil (Mr. Niraj Nair, Dr. A B Desai)

McLeod gauge was used to measure vacuum and 1-2 mmHg error was observed in pressure gauge. Distillate rate was suggested to observe. A continuous rather than batch process was suggested to follow due to long time of batch.

6) Paint Sludge to primer (Mr. Nilesh Badgajar, Mr. Harshal Patil)

From automotive paint sludge filler was prepared and used to make sheets. However, some end product was suggested to make.

For cylinder paint sludge process BT will finalize and check the process.

7) Silver recovery from COD test wastewater (Dr. Shina Gautam, Dr Alok Gautam)

For recovered products, search for market and specifications required.

8) Jitali Project (Ms Pratibha Gautam, Dr. Maulin Shah, Mr. Narendra Bhatt)

- (1) Possibilities of Door to Door waste collection to be checked with focus on 1 ward / street for starting with.
- (2) It was discussed that new village added in CSR to be visited after Election.
- (3) It was discussed to bring vegetables in next meeting to show actual project progress and publicity.

9) 5 S Consultancy (Dr Purvi Naik)

Report is not received.

10) Energy Audit (Mr Praful Chudasama)

- (1) All Electrical and Mechanical Faculties to give Auditor Exam. (At least 10 faculties should attend exam)
- (2) Proposal for Energy audit sent to M/s. Borosil. It was discussed to keep Mr. Nikunj in loop for communication related to Energy Audit / consultancy services.
- (3) It was decided to set target of Rs. 5 Lacs during FY 2019-20 from Electrical Consultancy services.

General:

1. It is to be checked if any registration required for selling products from SRICT.
2. All R&D work to be documented

Minutes of meeting held on 25th June 2019, Venue: Seminar Hall 1, at SRICT

Present: AAP, BDD, SL, SG, BT, PN, AG, HKB, KI, NN, HP, PC, MK, AD, PG, NB, NT, HP, VP, PN.

Sub: *Review of progress made by individual groups on projects initiated by BEIL/ETL/Shivalik at SRICT*

Important Comments:

- (1) Send ppt of project two days in advance to SG, AAP, BDD, BT, AS.
- (2) Note down the number of hours spent in the log book.

1) Electrochemical oxidation of wastewater (Mr. Praful Chudasama, Mr. Manoj Kumar, Dr. Alok Gautam, Prof. S Guha)

Active and non-active electrodes were discussed as per Prof Guha suggestion

*Experiments to be performed with SnO₂ and PbO₂. Cost of Boron Dropped Diamond to be enquired.

2) Plastic Waste to fuel (Mr. Kartik, Mr. Hemant, Prof. J B Joshi/ Prof. S V Dharwadkar)

Road waste pyrolysis and its characterization was done.

*Energy balance and Mass balance to be done. It is to be checked that how much energy is required and how much gas is generated. Viability of project to be calculated.

3) Recovery of precious metals from Electronic Waste (Mr. Sourav Choubey, Dr. Shina Gautam)

Dr. Shina Gautam along with one Engineer from BEIL Marketing team to visit Shivalik to see E-waste project.

4) Refuse derived fuel to Syngas - (Dr. Alok Gautam, Ms Nirali Tharwala, Bharat Trivedi)

Sparger design was discussed for cold trials for air distribution in gassifier.

*Sparger design shall be finalized and cold trials will be done.

5) Recovery and recycling of used oil (Mr. Niraj Nair, Dr. A B Desai)

Oil cuts at different temperature was measured and continuous distillation was done.

*It was suggested to measure distillate at every 5 minutes interval. Check if plastic / glass tube to be used in place of rubber tube. Mr. Niraj Nair to meet BRT once in fortnight to appraise status of the project and future action.

6) Paint Sludge to primer (Mr. Nilesh Badgajar, Mr. Harshal Patil)

Different solvents were tried to soften the sludge. Due to therometting nature of resin it is getting difficult to soften paint sludge from automotive industry.

*Other combination of solvent to be tried for solubility. Butyl Acetate and DMF to be tried. Literature Survey to be done to find other solutions for solubility. Cylinder paint: Proposal is submitted to BRT.

7) Silver recovery from COD test wastewater (Dr. Shina Gautam, Dr Alok Gautam)

So far 25 kg mercury sulphide and 15 kg silver chloride were recovered from pilot plant.

*ISI mark to be taken for sell of Silver Chloride and Mercury Nitrite. There is stock of 15 Kg Silver Chloride and 25 Kg Mercury Sulphide which is to be sold. Mr. Sathish Gaddam to check industries using Silver Chloride and Mercury Sulphide. Suppliers to be contacted for selling. Cost to be worked out to recover Silver nitrite.

8) Jitali Project (Ms Pratibha Gautam, Dr. Maulin Shah, Mr. Narendra Bhatt)

- a. It was discussed that dustbin distribution is under progress and awareness program to be organized for segregation of waste.
- b. Mr. Rajesh Mistry to be informed to visit Dahej CSR project site.
- c. Ms. Mozmin to give report in format provided by Dr. Pratibha.

9) 5 S Consultancy (Dr Purvi Naik)

Sr. No.	Company	Status
1	Sajjan India Ltd.	<ul style="list-style-type: none"> • Kick Off meeting conducted on 18-04-19, • Meeting with DGM HR Mr. Eswar on 21-06-19. • 1st Training session on 28-06-19
2	Godrej Industries, Valia	<ul style="list-style-type: none"> • In progress. • 60% work done
3	BEIL, Dahej	<ul style="list-style-type: none"> • Preparing for pre certification audit.
4	SSWML and CETP, Baddi	<ul style="list-style-type: none"> • In progress. Regular Follow up via mail and on phone.
5	BEIL, Coimbatore	<ul style="list-style-type: none"> • Visited during 27-29 May 2019. • 5S orientation and training completed • 1S activity started

10) Energy Audit (Mr Praful Chudasama)

- a. M/s. Piramal Glass to be contacted for Energy audit
- b. It was discussed that one reactor is lying at ETL. It is to be checked if it is in running condition.
- c. It was discussed that Energy Audit is going on at BEIL Ankleshwar. Suggestions to be given to reduce Electricity bill by 10%.
- d. Energy audit team to check action taken based on the audit report submitted / to be submitted to BEIL Dahej, ETL and BEIL Ankleshwar. Quarterly visit to be planned at BEIL Ankleshwar / Dahej and ETL. Separate Work order to be raised for the services.
- e. It was discussed that many more companies are in pipeline for Audit including Godrej / Piramal Glass / Vardhman / GRP / DIC Fine Chem.
- f. Electrical audit of hostel to be done. Electrical team to get involved in lift installation at hostel.
- g. Dr. Ravindra to get involved in Hostel civil / electrical or other works.
- h. Copy of drawings of hostel to be kept for reference.

Others:

1. Mr. Saurabh to give suggestions for improvement based on his experience with ICT.
2. Time frame for all R&D projects to be finalized.