

Three Day Intensive Workshop on Rheology of Paints & Emulsions (December 10th, 11th, & 12th 2012)

Evaluation Results

Section 1: Event Administration	Average (Min-Max)Count
Quality of pre-event (registration, queries)	5.71(2-7)35
Was the workshop registration process timely & efficient ?	5.74(1-7)35
Was venture Center admin staff courteous & helpful ?	6.32(3-7)34
Overall satisfaction with event organization	6.00(4-7)35
Section 2: Event facilities	
Venture Center Training room (Was it appropriate, clean & comfortable)	6.09(3-7)35
Venture center Cafeteria (Was it appropriate, clean & comfortable)	6.06(3-7)35
Food (Tea/coffee & lunch at Venture center)	5.97(3-7)35
Section 4: Overall Expectations	
Content met your expectations	5.43(3-7)35
Content organized logically, well	5.69(4-7)35
Overall pace schedule, info density	5.60(4-7)35
Lecture-discussion-exercise balance	5.86(4-7)35
Quality of handouts	5.34(1-7)35
Overall course rating	5.86(4-7)35

Rating Scale		
1	=	Bad
2	=	Well below average
3	=	Below average
4	=	Average
5	=	Good
6	=	Very good
7	=	Excellent

Section 5: Evaluation of the Instructors	YMJ	CK	DG	TMT	HVP
Lectures were well prepared	6.14(4-7)35	6.06(5-7)35	5.77(4-7)35	6.34(4-7)35	5.64(4-7)35
Explains clearly, answers questions well. Enunciates clearly	6.14(4-7)35	5.83(4-7)35	5.88(4-7)35	6.40(5-7)35	5.55(3-7)29
Encourages questions is sensitive to class	6.00(3-7)35	6.06(4-7)35	5.77(3-7)35	6.34(5-7)35	5.69(3-7)35
Excites interest and is enthusiastic	5.97(3-7)35	6.15(4-7)35	5.57(4-7)35	6.40(5-7)35	5.59(4-7)29
Overall rating	6.18(3.5-7)34	5.96(4-7)34	5.74(4-7)33	6.48(5-7)34	5.50(4-7)34

Section 6: Evaluation of the sections	Introduction to Rheology - 1	Introduction to Rheology - 2	Introduction to Rheometry	Introduction to Paints Rheology	Rheology os Suspensions & Paints - 1	Rheology os Suspensions & Paints - 2	Special Topic 1: Cracking of Paints	Special Topic 2 : Ageing of Paints	Lab Session 1	Lab Session 2
Content Chosen met needs, was relevant and complete. Emphasis/balance right	6.03(4-7)32	5.97(3-7)32	5.76(3-7)33	5.67(3-7)35	6.00(3-7)35	6.00(4-7)35	6.04(4-7)35	5.87(3-7)35	5.55(3-7)32	5.28(3-7)34
It was made clear how you could apply learnt material to your work.	5.67(3-7)32	5.70(3-7)32	5.56(3-7)31	5.58(2-7)35	5.84(4-7)35	5.16(3-7)35	5.84(4-7)34	5.58(3-7)32	5.42(3-7)32	5.25(3-7)34
Pace was too slow, just right or too fast	5.55(3-7)31	5.48(3-7)31	5.39(2-7)31	5.53(3-7)34	5.76(4-7)34	5.68(4-7)34	5.76(4-7)34	5.65(3-7)34	5.42(3-7)31	5.36(3-7)33
The section was under -emphasized, emphasis was just right or over-emphasized	5.65(4-7)31	5.58(3-7)31	5.55(3-7)31	5.47(4-7)34	5.65(4-7)34	5.70(4-7)35	5.76(3-7)34	5.68(4-7)34	5.48(3-7)31	5.36(3-7)33
Overall rating	6.03(4-7)32	5.89(3-7)32	5.64(4-7)32	5.70(3-7)35	5.94(4-7)35	5.91(4-7)35	6.00(5-7)35	5.86(3-7)35	5.61(3-7)32	5.51(4-7)34

Section 3: Comments & Suggestions

How can these workshops be improved further?	1	Yes, speakers are not relevant to topic. They are more related to basics, not applied basis.
	2	As I'm from paint & polymer background so it will definitely help out to study or in research of the field.
	3	Need to focus more on practical/application.
	4	Slightly more student & industry involvement.
	5	I loved the workshop, though the lab session could have been more detailed & explained.
	6	More practical approach along with some- simplified theoretical background.
	7	It should be organized twice a year
	8	By conducting the practicals in small groups .
	9	By better publicity of the workshop.
	10	In lab sessions, participants should be allowed to work .
	11	By including more automotive paint related issues/problems .
	12	Yes, it very much met with my expectation. I like the flow maintained during the lectures & interactive session at the end was quite interesting.
	13	A bit more lab workshop other than theory part.
	14	More practical task.
	15	More practical case studies with videos to demonstrate .
	16	If possible, workshop which mainly focus on emulsions & so.
	17	By including an expert from paint industry.
	18	Call rheologist especially in paint/ink area .
	19	Increase the time and no. of experiments in the demonstration sessions.
	20	Announcement of course can be made little more in advance .
	21	Lab session will have to convenient for all. Please do the same.
	22	By having some quality prof.
	23	NCL address should mention PASHAN. Automen do not understand know Dr. Homi Bhabha road & even NCL (It is relevant to outside candidates)
	24	Some exercise questions can be prepared & given as exercises for solidifying the understandings.
	25	It s very good workshop, everything well arranged. Just allow more time for practicals.
	26	Some more examples of latest technological advancement in paint can be included .

How did you hear about this event?	No. of participants
Info from colleague/company	8
Info from Anton Paar	7
Through website	7
From Faculty	2
Email	3
Advertisement in Newspaper	5
Word of mouth	1

Would you like to hear about similar events in the future?	Yes	35
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Testimonials

1. This was a first ever workshop I have attended on Rheology. The workshop definitely was an eye opener for me and gave a glimpse of the magnitude of work taking place in India and outside India as well. The speakers were meticulously selected and it was extremely great to know that they shared actual physical data (experimentation) either carried out by them or others. The entire environment in the workshop was very sincere and it truly helped in sharing knowledge to participants. Dr. Lele's openness to addressing problems of any kind and his approach to offer solution through facility or material is truly incredible and commendable. Thanks.
2. It was a nice experience.
3. The workshop was organized nicely and all the instructions were communicated timely. Technical sessions were arranged with judicious allotment of time. The discussions in the lab-session, particularly with Anton Paar people were very helpful. Data interpretation and analysis was explained nicely.
4. Overall a good training programme to understand the rheological phenomenon. Lab session will have to arrange properly because of many people it is very difficult to see and understand. Otherwise good. Thanks.
5. It was a first of its kind of course on rheology attended by me. The course was very well organized. The faculty had really put in their best efforts to cover the lectures right from fundamentals to special topics of industrial applications. The administrative arrangement, food etc. was excellent. Overall it was an excellent course and looking towards for many such courses in future.
6. All sessions were good (or very good), but those based on YMJ and TMT were excellent. Lectures by DG were good but need little in depth explanations. Lectures by CK were very interesting and a good food-for-thought, but he should give in-depth explanations. Administration was excellent. But if possible try for accommodation in future events. Thank you for allowing or permitting us to attend the workshop.
7. Expertise from paint background and those who have really done rheology study in paints/adhesives/inks should be called for such seminar. Rheology study based on solvent borne coating and water borne coating – expertise who have speciality in solvent based coating and water based coating should be called for such seminar. Rheology profile based on pigment and binder – How pigments and binder plays a role in determining rheology profile.
8. The content of all the lectures was well organized and highly informative build on the fundamentals of rheology and chemical engineering, but most of the lectures we were running short of time so lecturers have to quickly run through some of the important topics which would have been of our interest had it been explained elaborately. Also, we can improve on lab sessions. There was very limited information about rheology test protocol. Also in the whole course time of workshop time management was sometimes poor.
9. Workshop was good but if possible to have main focus only on emulsions. Even though its useful because of paint application, please try to have it on emulsion so that applicability will be learnt later if we have very strong basics (for the beginners).

10. Overall the workshop was relevant and informative. Some more practical case studies along with videos could have made it more clear for us. Lab demonstration was not much satisfactory as more number of participants in each group head to average demonstration of equipment. Specific sample along with its data interpretation could have made our understanding more clear. Even if we can get some rheology data along with its interpretation, will really be helpful for us. Overall rating is very good and we expect to attend such programmes in future also.
11. It would be better if we get more data and analysis on rheology of diff architectural coatings (solvent as well as water borne) automotive, industrial and powder coating. Also need to have rheology practicals on suspension as well as emulsions. Some emphasis should be there on different types of rheology modifiers used in paint, ink and food industry and rheological behavior of products containing these additives.
12. The whole session was very good and helpful, but the first day lab session was a bit crowded. The overall workshop was excellent.
13. Workshop was very useful and informative. Administration, venue and food was excellent.
14. NIL
15. The programme was well organized. All faculties' lectures were excellent. Lab sessions were for small time. Participants should be allowed to do experiments on the instruments.
16. Please publicize more as many people from other cities belonging to good companies or institutes will come and make quality of people attending the workshop much better.
17. As mentioned on the backside, the only suggestion to the organizers is to make smaller groups at the time of lab sessions. Secondly if it is possible to organize the lectures in the NCL campus, near the lab facility may reduce the transportation problems.
18. It was the combination of theory and practical knowledge about rheology which can be a good help for students as well as industrial purpose (especially people working in coating, paint or ink industry). It was also excellent to interact with the faculties for solving the doubts regarding rheology applied in different fields.
19. Arranging tea or B/F in canteen at least before session starts as people outside Pune are not aware of restaurants nearby. Though titled 'Extensive workshop on Rheology of Paints and Emulsions' the practical examples and theory which exactly relates to paints was missing. Only idealized conditions were assumed in most of the explanations. Competent person from relevant industry (like paint or polymer) also be invited so that industry related problems can be addressed with more satisfying solutions. Treatment by all the staff, Professors was really good. Thank you.
20. The workshop was very well organized and the organizers were very courteous and helpful. I personally feel that the lab session was too fast paced, and not all relevant details were explained clearly. May be a little more time and a pre-organized material would have made the lab sessions more interesting since the lab instructors seemed gave impromptu talks and though no fault of their own, may not have explained all the relevant points. Overall an excellent experience. I would love to attend more of such future workshops and events. Thank you.

21. Workshop was excellently organized. Mini-workshop by Dr. Chirag was informative as well as thought provoking. Would surely love to visit NCL & VC for more of such workshops and lectures. Special mention for arrangement of event. It never felt tiring.
22. Need to give more focus on practical/lab sessions where every test needs to be done so people can understand more easily. Need to work more on application of Rheometer in coating industry. Need to focus on briefing of more data in paint's properties and its relation with rheology/rheometry.
23. Try to arrange the lectures held in workshop or conference in the step-hall. Workshop was excellent, will hope for more like the same in polymer & coatings field.
24. It was nice interactive seminar & workshop arranged by NCL, Pune. It will be really joyful if some NCL speaker like Dr. Ashish Lele would have given some lectures amongst given. The content of seminar should be revised so it should stick to the subject & speakers should be relevant to the work area (for this seminar none of the speakers was from paint industry). Thanks for allowing research students from educational institutes.
25. NCL should arrange these type of seminars or workshops frequently for industry as well as students. NCL should give more emphasis on lab sessions.
26. It was very good workshop, all doubts related to rheology cleared and new ideas regarding study of rheology understand. When I heard about workshop, I thought it is just related to advertisement of rheology instrument, but when I went through workshop schedule, I found it very interesting so decided to attend workshop. I will be very happy if you inform me in future about such workshops. Thank you.
27. To make workshop more beautiful, in the term that, both academic-industrial people to come on one platform, resource persons from both sides to be included. Programme was very nicely planned and concept of technology related to rheology was delivered in an easily understandable form by utilizing labs and ppt presentations. Resource – persons are quite knowledgeable. Please keep tissue papers available all the time in toilets. I appreciate the hospitality provided. Especially the young staff, very active and in responding fast. Access for central library and visit to NCL need to be provided so that we can approach to solve research problems. Specially the research scholars working in our institute.
28. Would have been better if R&D person from industry was invited. The speakers were mostly researchers hence their emphasis was mostly on their work or on specific possibilities. Direct correlation to problems was hence not possible.
29. Encourage such programmes for better understanding of such analysis and applicability to real industrial scenario.
30. When arranging next lecture the following workshop flow and expert person opinion will make workshop more effective.
 - Introduction to rheology : General
 - Rheometry : Theory and lab course
 - Importance of rheology in paints : emphasizing mainly for architectural, automotive paints based on water and solvent base. (a)in formulation (b) in application of paints by various methods.
 - One lecture by paint chemistry expert to link above concepts in actual paint formulation.

- One lecture by rheology modifier additive chemist/expert to emphasize the chemistry behind.
- Rheology checking instrument manufacturer session.

Lecture/sessions should include greater extent the analysis of paints like 2-3 shared by Mr. Chirag. That will make it more practical.

31. The course faculty were knowledgeable and conveyed the technical issues involved in the rheology field efficiently. Due to diversity of applications in the field of rheology at the end of course, the course contents were a bit too technical or diverged from the field of paints and emulsions. Nevertheless the efforts made by faculty are welcome. Practical sessions need to be tuned up for future courses. I wish all the success to organizing committee and best wishes.
32. Workshop was mainly focused on theoretical parameters means only to check parameters. There should be discussion on improvement of paint quality by maintaining specific parameters. Lectures from industries to be included so to get exposed with latest technology which is current in use. Practical session was good and got cleared many queries.
33. This was my first ever course regarding the topic of Rheology. I used to understand this as a very simple or rather say underestimate the importance of rheology. But now I feel that its ocean if we go deep into its importance and applications. This workshop has done successful effect on me. Although I am not from paint/emulsion industry nor from chemical engg. background, still the workshop has been a valuable input for my area of interest. Special thanks to open Question-Answer sessions.
34. Exercise questionnaire can be incorporated as part of workshop. It would be good if some accommodation arrangements could be done. Rest very good & thanks.
35. Not any very good workshop.
36. Since I am in teaching field and teaching applied chemistry, organic synthesis, organic chemical technology to chem. engg. students besides their projects and guiding to PhD students, I need to know variety of aspects from various fields. I find it useful from concept, ideas development point of view. All speakers spoke excellently well and simplified the topic and had very good interactions. I enjoyed it and learnt to my expectations. Overall high quality learning center. Very useful to all academia and industry. Very good. Thanks.