

CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

3.2 Innovation Ecosystem

3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

3.2.2.1. Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

Index for supporting documents for the year 2018-2019

S. No.	Particulars	Program	Page No
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2.	Workshop on quality control skills	laboratory Research methodology for research	6-8
3.	Workshop on gene cloning	laboratory Research methodology for life science research and Skill for Entrepreneurship	9-16
4.	Hands on training on working skills of spray dryer in food industry: Biogenero Pvt. Ltd.	laboratory Research methodology for food science research Skills for Entrepreneurship	17-20
5.	National workshop on High performance liquid chromatography	Research methodology and skills for research	21-26
6.	Workshop on basics of Intellectual Property Rights	Intellectual property right	27-29
7.	Industrial hands on training on HPLC and FPLC	laboratory Research methodology for research	30-34

Dr. Anuradha. M Principal

Padmashree Institute of Management & Sciences







Workshop on

Scientific Writing & **Statistical Analysis**

Organised by



On 6th August 2018 @ 10:00Am

> Venue: Seminar hall **Padmashree Campus**

Ms. Shwetha Jonnalagadda Consultant, Health Minds Pvt. Ltd. **Bangalore**

website: www.pims.org.in



WORKSHOP ON SCIENTIFIC WRITING AND STATISTICAL ANALYSIS

Organized by Padmashree Institute of Management and Sciences, Bangalore

Date	06-08-2018
Title	Workshop on Scientific Writing and Statistical Analysis
Resource person	Ms. Shwetha Jonnalagadda and team.
	Consultant, Health Minds Pvt. Ltd. Bangalore
No of participants	100

Program Schedule

S. No.	Event	Time
1	Welcome note by Dr. Sudipta Kumar Mohanty	10:00AM - 10:10AM
2	Workshop on scientific writing	10:15AM - 12:15PM
3	Lunch	12.15 PM - 1.30 PM
4	Workshop on statistical analysis	01.30PM - 03:30PM
5	Discussion and Interaction	03.30 PM - 4.30 PM

Resource Person/s



Name: Ms. Swetha Jonnalagadda

Consultant, Health minds Consulting Pvt. Ltd., Bangalore.

Phone no: 9880036505

Email: swetha@healthminds.in

Experience: 15 years



Photo Gallery: Workshop on Scientific Writing and Statistical Analysis







Certificate of Participants





Aus May



Program Summary

Health Minds Pvt Ltd is an ISO certified company, providing healthcare services and also helps academia for contributing to research. Ms. Swetha from Health minds gave an overview of services provided by the company and also enlightened students and faculties about scientific writing, importance of statistical analysis. She emphasized on how ideas can be converted to meaning scientific methodology that helps students prepare for an academic career, also helps to increase depth of subject knowledge chosen for investigation. The session also focused on how scientific writing helps a researcher to communicate his ideas and findings even to layman in a simple science language. The talk also focused on the use of statistical analysis in research, this helps a researcher to decide on how to collect data and analyze the data using various statistical tools. This helps researcher to quantify the data and compilation of data.





RESOURCE PERSON:



Mr. Velmurugan Shanmugam **VP-Technical Affairs**, Biogenero Labs Pvt Ltd.

organised by



WORKSHOP ON QUALITY CONTROL

5th - 7th September 2018 10:00AM TO 04:00PM



under the agies of







WORKSHOP ON QUALITY CONTROL

Organized by Padmashree Institute of Management and Sciences, Bangalore

Date	5th-7th September 2018
Title	Workshop on Quality control
Speaker	Mr. Velumurugan - Biogenero Labs Pvt ltd
Participants	19 Students, 03 faculties

Resource person/s



Name: Mr. Velmurugan Shanmugham

Designation: VP- Technical affairs,

Affiliation: Biogenero India Pvt Ltd, Bangalore

Mobile: 9972891187

Email: vp@biogenero.in

Program Summary

The Quality Control Workshop was organized by Padmashree Institute of Management and Sciences, the guest speaker invited was Mr. Velmurugan Shanmugam, VP-Technical affairs, Biogenero Labs Pvt ltd. The session started by giving a brief outline of Life Science, Food Science industry and various sub sectors involved. He also gave insight on techniques used by the industry for collaboration with other groups and divisions.

This workshop was mainly focused on the quality control aspects in Life Science and Food Science Industry. The session enlightened students about basic quality control techniques, GLP, GMP, basic concept of safety and hygiene requirements. He also emphasized on basic emergency protocols followed in industry.

Apart from the above topics, the session also focused on use of Material Safety Data Sheet (MSDS), handling of chemicals, chemical hazards and management, safety signs and signals and importance of PPE and various PPE used in various production operation.



Dr. Anuradha. M

Principal
Padmashree Institute of
Management & Sciences



Photo gallery: Workshop on Quality control





Certificate of participants

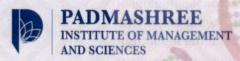




Dr. Anuradha M

Principal
Padmashree Institute of
Management & Sciences







Hands on Workshop on Gene Cloning

29th, 30th & 31st October 2018 in Collaboration with

GeNei labs

Organized by

Contact

Padmashree Institute of Management and Sciences

Dr.Sudipta- 9741433466 Mrs G Subbalakshmi- 9538348896

Email: pimsworkshop18@gmail.com website: www.pims.org.in

29/10/18: DAY 1: 10:00 AM to 11:00 AM: Overview of Workshop

11:00 AM to 11:15 AM: Tea Break

11:15 AM to 01:00 PM: Genomic DNA Extraction from Leaf

01:00 PM to 01:30 PM: Lunch

01:30 PM to 03:00 PM: Primer Designing, Plasmid DNA/vector preparation,

03:00 PM to 03:15 PM: Tea Break

03:15 PM to 04:30 PM: PCR amplification & Ligation setup

30/10/18 :DAY 2: 10:00 AM to 11:00 AM: Competent cell preparation

11:00 AM to 11:15 AM: Tea Break

11:15 AM to 12:00 PM: Gel Electrophoresis of Isolated Genomic DNA, Insert DNA Preparation

12:00 PM to 01:00 PM: Restriction digestion of the Insert & Vector DNA followed by Gel extraction of Insert DNA & Vector

01:00 PM to 01:30 PM: Lunch

01:30 PM to 03:00 PM: Continuation of the above experiment & DNA Quantification

03:00 PM to 03:15 PM: Tea Break

03:15 PM to 04:30 PM: Transformation of the Ligation setup on Day 1.

31/10/18: DAY 3: 10:00 AM to 11:00 AM: Observation of Previous Day Results

11:00 AM to 11:15 AM: Tea Break

11:15 AM to 01:00 PM: Screening of colonies by PCR

01:00 PM to 01:30 PM: Lunch

01:30 PM to 03:00 PM: Gel electrophoresis

03:00 PM to 03:15 PM: Tea Break

02:15 DM to 04:20 DM: Applications of Cone Clapina 0 9



HANDS ON WORKSHOP ON GENE CLONING

Hands-on Workshop on Gene Cloning
29- 10 -2018 to 31 10- 2018
Padmashree Institute of Management and Sciences
Mr. Abhilash. N, Genei Labs Pvt Ltd
Dr. Hemalatha & team Genei Labs Pvt Ltd
31

Resource Person/s



Name: Mr. Abhilash

Designation: Manager, Skill Development-

Affiliation: Genei Labs Pvt Ltd

Phone: 8618798299

Email: abhilash.un@geneilabs.com





Date: 22-10-2018

CIRCULAR FOR WORKSHOP ON GENE CLONING

To all the faculties

Workshop on Gene Cloning will be held on October 29th,30th,31st by the Department of Biotechnology for PG 2nd year students at our college in collaboration with Genie labs.

The workshop will be conducted in Plant Tissue Culture lab (201) & Food Lab (210) 2^{nd} floor Hence all faculties are requested not to have any UG practical exams planned in above mentioned lab on 29^{th} , 30^{th} , 31^{st} of October2018.

Kindly Acknowledge

Thanks Dr. Sudipta

Department of Biotechnology

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GeNei™

Training Certificate

Hands on workshop on Gene cloning was conducted by Genei Laboratories Pvt. Ltd. Bangalore at Padmashree Institute of Management and Sciences, Kommagatta, Kengeri, Bangalore from 29th to 31st October 2018.

The students of Department of M.Sc Biotechnology, Biochemistry and Microbiology had participated in the training program and trained in various techniques related to Gene

- 1. Isolation of Genomic DNA
- 2. Preparation of Insert by PCR
- 3. Preparation of Vector
- 4. Ligation and Transformation
- 5. Purification of Plasmid and DNA
- 6. Restriction Digest Analysis / Colony PCR

We wish all the best in their future endeavors.

Abhilash.N

Manager

Skill Development Genei Laboratories Pvt Ltd

Bangalore - 560058

Genei Laboratories Pvt Ltd.

Near S R S Road, Peenya Bengaluru - 560 058, INDIA

Fax: +91 80 23721166

CIN: U24233KA2013PTC067508



Photo gallery: Hands-on Workshop on Gene Cloning









GeNeiTECHNICA

Genei Workshop on Gene Cloning in Padmashree Institute of management and Sciences, Bangalore -560060, 29/10/18 to 31/10/2018.

Attendance:

SI No	Name of the Participants	Course	Signature			
	•		29.10.18	30-10.18	31,10.18	
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2	DEBABRATA PANDA	M.Sc Biotechnology	D. Pando	D. Rando	D. Ruda	
3	ABHISHEK R NAIK	M.Sc Biotechnology	should		charle	
4	MALABIKA MISRA	M.Sc Biotechnology	m men		Bmora	
5	E. ASHOK REDDY	M.Sc Biotechnology	Allox	Assole.	Male	
6	JOHN LOTHA ·	M.Sc Biotechnology	John	prom	John	
7	SASMITA PANDA	M.Sc Biotechnology	Barda	Parda	Rardon	
8	MADHU D NAIK	M.Sc Biotechnology	x boles	was /	Meso	
9	ADARSHA K N	M.Sc Biotechnology	Adarsta	Adam K.N.	Holes un	
10	SUJANA B	M.Sc Biotechnology	Sujar B	Jugar B.	Sufat B	
11	BIJUSH DEBBARMA	M.Sc Biotechnology	Bistush		Bijush	
12	UMESH NP	M.Sc Biochemistry	1 Luck N. P	11 LND	(much NI	
13	SHEETHAL KALMATH	M.Sc Biochemistry	Sheethal	Sheethal	Shuthal	
14	SUMITHRA K M	M.Sc Biochemistry	W	10	(80	
15	MUTUM PRIYORANJAN SINGH	M.Sc Biochemistry	02	alex.	100 la	
16	ASHWINI N	M.Sc Biochemistry	Almin.	Alara ?.	an).	
17	MANJUNATHA B R	M.Sc Biochemistry	MOYBR	mostre n	with	
18	SINDHU R	M.Sc Microbiology	Note:	soule.	4	
19	POOJA GAIKWAD. D	M.Sc Microbiology	1200	D.V	D.	
20	SABITHA RANI MAHATO. B	M.Sc Microbiology	Sois	Sais !	SMB.	
21	LAHARI BASAVARAJU	M.Sc Microbiology	Tahari	tahar	Cahar	
22	SEJAL KUMAR	M.Sc Microbiology	SUDI	sua -	Sejal"	
23	JENIS SWATI TOPNO	M.Sc Microbiology	Teuls.	June 9	elis.	
24	VIVEK KUMAR	M.Sc Microbiology	Vinektens	Wholekend !	Vivoker	
25	ANOOJ O	M.Sc Microbiology	100	As	AA	
26	ANUSHA A	M.Sc Microbiology	Anush	Anule	Anushe.	
27	ARNAB GHOSH	M.Sc Microbiology	Similate laborate	Amet Calred of	noblehole	
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31	ROOPIKA . V	M.Sc Microbiology	Roop, bour		Logita	

Signatures

Dr.Anuradha M

Principal PIMS Dr.Sudipta Kumar Mohanty Organizing Secretary

PIMS

Abhilash.N'

Manager Genei Laboratories

Bangalore-60 & saova

Dr. Anuradha. M Principal

Padmashree Institute of Management & Sciences



Feedback of participants

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Dr. Anuradha. M

Principal
Padmashree Institute of
Management & Sciences

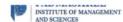


Program Summary

The PG students of the Department of Biochemistry, Biotechnology, and Microbiology were provided with this training by Genei Laboratories Pvt. Ltd., the company is known for its life science products service, they provide kits for academia and research activities in the field of molecular biology, proteomics and genomics.

The students were provided training for 3 days on gene cloning starting from isolation of genomic DNA, preparation of insert by PCR, preparation of vector, ligation and transformation, purification of plasmid DNA, Restriction digest analysis, colony PCR. All the students were asked to perform the procedures individually. The training was conducted by four well trained and experienced molecular biologists from Genei laboratories Pvt. Ltd.

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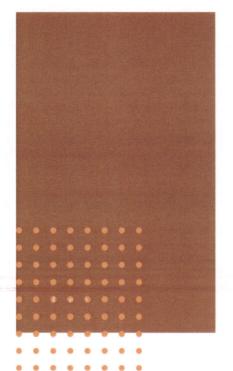






HANDS ON TRAINING WORKING SKILLS OF SPRAY DRYER FOOD INDUSTRY

IN COLLABORATION WITH **BIOGENERO LABS PVT LTD**



Resource Person

Dr. Ramesh, CEO Mr. Suresh Kumar, COO



5th November, 2018 🕒 10:30 AM



www.pims.org.in



HANDS ON TRAINING ON WORKING SKILLS OF SPRAY DRYER IN

FOOD INDUSTRY: BIOGENERO LABS PVT LTD

Organized by Padmashree Institute of Management and Sciences

Date	05-11-2018
Title	Hands on training on Working skills of Spray dryer in food industry:
	Biogenero Labs Pvt ltd
Resource Persons	Dr. Ramesh, CEO
	Mr. Suresh Kumar, COO
No. of Participants	9
Event	laboratory Research methodology for food science research, Skills for
	Entrepreneurship

Program schedule

Date	Time	Program Schedule
		Inauguration and welcome note
	10.20 - 11.00 434	Invocation by Shivaji J. Nikale
	10:30 to 11:00 AM	Anchoring by Richa Kakkar
		Welcome speech by Dr. Sudipta Kumar Mohanty
05-11-2018	11.00 to 11.15 AM	Tea break
	11.15 to 12.30 PM	Training on usage of Spray dryer; Dr Ramesh
	12.30 to 1.30 PM	Lunch
	01.30 to 3.30 PM	Entrepreneurship opportunities in spray drying; Mr Suresh
	04.00 to 04.30PM	Valedictory function

Resource Person/s

Name: Dr. Ramesh

Designation: CEO

Affiliation: Biogenero Labs Pvt ltd

Phone no:

Email address:

Name: Mr. Suresh Kumar

Designation: COO

Affiliation: Biogenero Labs Pvt ltd

Phone no: 9945081007

Email address:



Photo gallery













CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE PRESENTED TO:

M/S Veena .K .H

For Participating in the Hands-on Training on Importance of Spray dryer in the food industry organized by Padmashree Institute of Management and Sciences in collaboration with Biogenero Labs Pvt Ltd Date: 05-11-2018









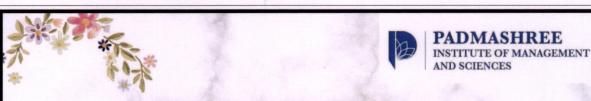
Program Summary

Biogenero Laboratories Pvt Ltd are leading professionals in the natural product industry, working on natural product formulations and extracts. They provide research activities for both academia and industry, as well as work on the development of probiotics, enzymes, and nutritional chemicals.

During the training session, Dr. Ramesh, CEO, and Mr. Suresh Kumar, COO from Biogenero Lab Pvt Ltd, provided hands-on experience to the students on different parts of the spray dryer. They explained how to use the spray dryer, its basic principle, instrumentation, and various applications in the food industry. The importance of learning about the spray dryer in the food industry was also highlighted.

Bangalore-60





WORKSHOP ON HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

BY

WATERS INDIA PVT LTD

13th Novemeber,2018

Organized by IQAC & Research Cell, PIMS





WORKSHOP ON HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Organized by Padmashree Institute of Management and Sciences, Bangalore

Workshop		
Title	National Workshop on HPLC-Waters India Pvt Ltd	
Date	13-11-2018	
Speaker	Mr. Hariharan, Senior Application specialist, Waters Private Limited	
Participants	PG Students, 15 faculties (79)	
Event	Skill training program	

Resource Person/s



Name: Mr. Hariharan

Designation: Application Specialist,

Affiliation: HPLC water India, Water India Pvt. Limited. Bangalore

Email: Hariharan_M@waters.com

Photo Gallery: National Workshop on HPLC-Waters India Pvt. Ltd.



The inauguration of the workshop took place in Seminar hall



Demonstration of HPLC





Feedback of the participants

	Workshop Evaluat	tion Fo	orm			
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3	Time allocation was right			-	-	1
4	Hands on experience was useful			-	-	-
5	Enhancement of knowledge			-	-	7
6	Presentations and information given were useful			-	V	-
7	Questions were adequately answered			-	V	-
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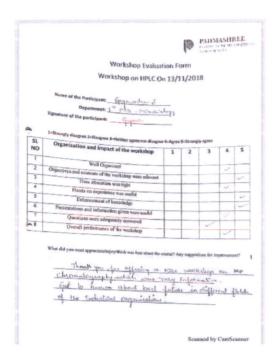
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Participants Certificate





Dr. Anuradha. M

Padmashree Institute of Management & Sciences



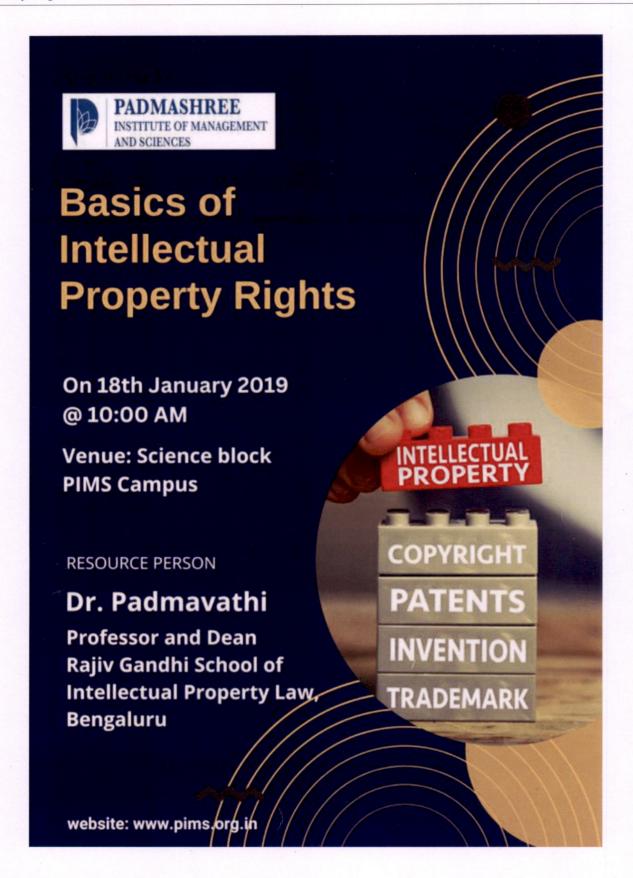
Program Summary

High Pressure Liquid Chromatography (HPLC) workshop was organized by PIMS for faculties and students, in collaboration with Waters Pvt. Ltd. The company is leading specialist in chromatography, mass spectrometry and thermal innovations providing services to Life Science and Food Science industry. The training was provided by well experienced industry expert's form Waters Pvt. Ltd.

In this workshop all participants were educated on both theoretical and practical aspects of HPLC. The session started by giving an introduction about HPLC, working principle, instrumentation, application and troubleshooting aspects, followed by hands on training on HPLC for all participants individually.









EXPERT TALK ON "BASICS OF INTELLECTUAL PROPERTY RIGHTS"

Title	Intellectual Property Rights
Date	18-01-2019
Speaker	Dr. Padmavathi , Professor and Dean
	Rajiv Gandhi School of Intellectual Property Law
Number of Participants	100
Event	Awareness about IPR

Resource person/s



Name: Padmavati Manchikanti

Designation: Professor

Affiliation: Rajiv Gandhi School of Intellectual Property Law,

IIT Kharagpur, Kharagpur, West Bengal, India

Phone No: 91-3222-281736

Email Address: mpadma@rgsoipl.iitkgp.ac.in

Program Summary

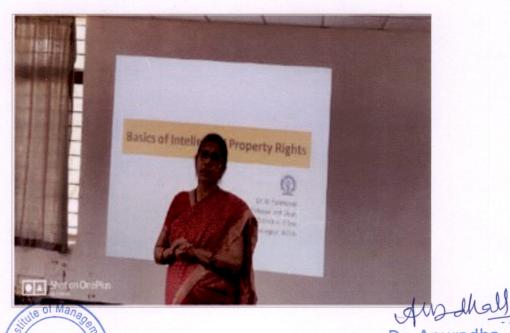
The Intellectual property rights talk was organized for students about the basic concepts of IPR. Students were also imparted with the knowledge for different forms of IPR – patents, trademark, copyright, geographical indications, industry design etc. The students were also explained about the importance of obtaining IP and also about the integration of IPR process in the research activities. This workshop helped students to know more about the protection of novel innovations.

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Dr. Anuradha. M

Padmashree Institute of Management & Sciences





"INDUSTRIAL HANDS-ON TRAINING ON HIGH PRESSURE LIQUID CHROMATOGRAPHY"

	11/1/11/11/11/11	Training Schedule	经济的自然支援业务主义 是关系的主义。
1111	Time	Particulars	Date: 23/01/2019 to 25/01/2019
	09:30 AM to 10:45 AM	Basic concepts in analytical chromatography, Part I	Venue: Central Instrumentation laboratory
	10:45 AM to 11:00 AM	Break	
	11:00 AM to 12:45 PM	Basic concepts in analytical chromatography, Part II	
Day 1	12:45 PM to 01:30 PM	Lunch Break	Resource: Rubizon Pvt. Ltd.,
	01:30 PM to 03:00 PM	Practical session : HPLC	Bengaluru
	03:00 PM to 03:15 PM	Break	
	03:15 PM to 05:00 PM	Practical session : HPLC	Registration Fee: Rs.500/-
	Time	Particulars	Maximum intake: 20 candidates
	09:30 AM to 10:45 AM	Basic concepts in preparative chromatography	建筑是非常是是 有关于是一个
	10:45 AM to 11:00 AM		Eligibility: Post graduation or any
	11:00 AM to 12:45 PM	Basic concepts in preparative chromatography	equivalent degree in Life Sciences
Day 2	12:45 PM to 01:30 PM	Lunch Break	14年第二年中華中國共產黨第二十五十五十五十五十五十五十五十五十五十五十五十五十五十五十五十五十五十五十五
	01:30 PM to 03:00 PM	Practical session : HPLC/FPLC	Note: Participation certificate will be
	03:00 PM to 03:15 PM	Break	given to all attendees subjected to
	03:15 PM to 05:00 PM	Practical session : HPLC/FPLC	Practical Test clearance
Day 3	9:30AM to 12:30PM	Practical and theory test	



INDUSTRIAL HANDS-ON TRAINING ON HIGH PRESSURE LIQUID CHROMATOGRAHY

Organized by Padmashree Institute of Management and Sciences, Bangalore

Title	Industrial hands-on training on high pressure liquid chromatography
Speaker	1. Mr. Vikrama N Prabhu Founder Rubizon Pvt Ltd
	2. Mr. Umesh T G, Co-Founder, Rubizon Pvt Ltd
Number of Participants	20
Event	Skill training program

Resource Person/s



Name: Mr. Vikrama N Prabhu,

Designation: Co-Founder,

Affiliation: Rubizon Pvt Ltd, Bangalore

Email: vikram@rubizon.com

Phone: 7349708807



Name: Mr. Umesh T. G.

Designation: Co-Founder,

Affiliation: Rubizon Pvt Ltd, Bangalore

Email: umesh@rubizon.com

PADMASHREE INSTITUTE OF MANAGEMENT AND SCIENCES

Photo Gallery: Industrial hands-on training on High Pressure Liquid Chromatography









An Anuradha M



Certificate of Participants







Program Summary

The industrial hands-on training on HPLC and FPLC was conducted in collaboration with Rubizon Pvt. Ltd., who are leading chromatographic solution providers, they are more focused on providing programmatic solutions related to manufacturing, quality control, analytical, and various report writing services at affordable costs.

Mr. Vikram N Prabhu, Cofounder operations and Mr. Umesh T G, Cofounder Technology extended their willingness to train students starting with a talk on the basics of preparative chromatography, analytical chromatography, and then hands-on training was provided to students individually for both HPLC and FPLC which covered basic instrumentation, working principles, loading sample and analysis of chromatogram.

