



Veltech Dr. RR & Dr. SR University

(Esd. u/s 3 of UGC Act, 1956)

VEL TECH TECHNOLOGY INCUBATOR

(APPROVED BY DST)

CERTIFICATE OF REGISTRATION OF SOCIETIES

S. No. 438 of 2010

EVENT REPORT

HANDS ON TRAINING IN ATOMIC ABSORPTION SPECTROSCOPY (AAS) TECHNIQUE

ORGANIZED BY

Vel Tech Technology Incubator

ON

Saturday, 9th September, 2017.

A green handwritten signature, likely of Prof. Dr. E. Kannan, is written over the Registrar's name.

Prof. Dr. E. Kannan
Registrar

Table of Content

S. No	Content	Page number
1	Approval Letter	1
2	Brochure	2-3
3	Banner	4
4	Programme Schedule	5
5	Participants Name List	6
6	Attendance Sheet	7-8
7	Expert- Brief Biography	9
8	Certificate	10
9	Event Photos	11-14
10	Bill copies	15
11	Budget Vs Expense Details	16
12	Income Vs Expense Details	17



Prof. Dr. E. Kannan
Registrar

Approval Letter

DIND/2017/927.

Recd
20/08/17

24/08/2017

From
Dr. N. Radhakrishnan
TBI-BT,
Veltech Dr. RR & Dr. SR University,
Avadi, Chennai-62.

To
The Director (Industry Relations),
Veltech Dr. RR & Dr. SR University,
Avadi, Chennai-62.

Subject: Seeking approval for organizing hands on training in Atomic Absorption Spectroscopy (AAS) technique on 9th September, 2017-reg.

Respected Madam,

As we are planning to organize one day "Hands on training in AAS technique" on 9th September, 2017. Hence, I request you to approve the training programme, tea, lunch (for the participants and guest), lecture/seminar hall (with 32 numbers seating capacity), honorarium payment for the guest and other expenditure of programme as follows

S.no	Items	Cost (in Rs)
1.	Banner (2 x 250)	500.00/-
2.	Certificate print	500.00/-
3.	Photo & Video	200.00/-
Total		<u>1200/-</u>

Thanking you.

Madam,
please approve advance
Rs. 1,200/-

Dr. N. Radhakrishnan
(P. Chandrasekaran)

SLND:-16
Pg No:-124

PAID 1200
REL NO. 22-77
CHQ NO. 74672
DTD. 20/08/2017

Yours sincerely

N. Radhakrishnan
(Dr. N. Radhakrishnan)

Vel Tech
Technology Business Incubator (TBI)

Prof. Dr. P. Sarasu
Director Industry Relations
Veltech Dr. RR & Dr. SR University
(Dist. No. 3 of UGC Act 1956)

TALLY ENTERED

Prof. Dr. E. Kannan
Registrar

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Est. by U of UGC Act, 1956)

Training Programme Brochure



Veltech Dr. RR & Dr. SR University

Vel Tech Technology Incubator

HANDS ON TRAINING IN ATOMIC ABSORPTION SPECTROSCOPY(AAS) TECHNIQUE

About Vel Tech Technology Incubator Center

Vel Tech Technology Incubator Center at Veltech Dr. RR and Dr. SR University, Chennai was established in year 2010, in joining hands with Department of Science and Technology (DST), Government of India. It has seven thrust areas of research which includes Automobile; 3D printing; Embedded systems/VLSI; E-waste, Plastic waste and Bio-waste management; MAV/Robotics; IT/ITES Services and Renewable Energy. It also provides financial assistance to deserving Entrepreneurs to convert their innovative ideas into commercial viable products.

About Bio Waste Management Laboratory

Bio Waste Management Laboratory was established in year 2011 which functions under umbrella of Vel Tech Technology Incubator Center. The Laboratory is equipped with Flame Atomic Absorption Spectrophotometer (AAS; AA-7000 Series Model; Shimadzu, Japan). At present, we have 15 hollow cathode lamps which are specific for 15 elements. In addition to these we have hydride vapor generator (HVG-1). HVG-1 is effective in the high sensitivity analysis of Arsenic (As), Selenium (Se), Antimony (Sb), Tellurium

(Te) & Bismuth (Bi) and where the burner height is automatically set by just placing the absorption cell on the burner head. More than, 20 research articles have been published by the Laboratory faculty members and organized three training programme so far. In addition, we also provide analytical services on charge basis for both internal and external researchers.

Outcome of the training

The training programme will provide exposure to the advances in the field of Atomic Absorption Spectroscopy (AAS) to the experienced analyst and both basics & practical aspects to beginners. Wide coverage is given to fundamental concepts of laboratory operations in a clear manner so that both the beginner and expert will find the training programme as a useful tool for the day to day laboratory operations. The training programme will be beneficial to

- Clinical Researchers;
- Environmental Scientists;
- Geological and Mining Scientists;
- Government Regulatory Bodies;
- R & D Scientists;
- Students in disciplines of Chemistry, Food & Nutrition, Pharmacy and Agricultural Sciences and
- QA Managers & Practicing Chemists.

Eligibility:

The training programme is open to all students and researchers, who are all willing to learn the AAS technique.

Important dates:

Last date for registration: 18th August, 2017.

Programme date: 26th August, 2017.

Venue:

Research Park, Bio Waste Management Laboratory, Veltech Dr. RR and Dr. SR University.

Fee details:

Programme fee Rs.600* (Demand draft in favour of **Vel Tech Technology Incubator** payable at Chennai).

*- inclusive of lunch and participation certificate.

Programme contents

- ❖ Scope of Spectroscopic analysis
- ❖ Evolution of Atomic Absorption Spectroscopy (AAS)
- ❖ Introduction to AAS Component parts
- ❖ Types of Light sources in AAS
- ❖ Flame Atomic Absorption Spectroscopy-Advantages and Disadvantages
- ❖ Graphite Furnace Atomic Absorption Spectroscopy
- ❖ Interferences in Atomic Absorption Spectroscopy (AAS)

- ❖ Background correction in Atomic Absorption Spectroscopy (AAS)
- ❖ Two types of sample preparation methods
- ❖ Calibration using Atomic Absorption Spectroscopy (AAS) standard solution
- ❖ Result analysis using in build software

About the Content delivering expert- Dr.

P. Vijayalakshmi, Environmental Scientist, TNPCB

Dr. P. Vijayalakshmi is currently working as Environmental Scientist in Environmental Training Institute, Tamilnadu Pollution Control Board (TNPCB) Corporate office, Chennai. She has gained more than 20 years experience in Environmental Sciences. Her core research interest is found out solution for Environmental pollution.

Contact

Head-Bio Waste Management Laboratory,
Vel Tech Technology Incubator,
Veltech Dr. RR and Dr. SR University,
400 Feet Outer Ring Road, Avadi,
Chennai, 600 062, Tamil Nadu, India.
Mobile no: 09600040254/08056573957
Email: veltechbti@veltechuniv.edu.in

Training Programme Banner

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VEL TECH
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S.No.438 OF 2010

Hands-on training in
“Atomic Absorption Spectroscopy (AAS) Technique”

9th September 2017 | 8:30 a.m - 4 p.m | Research Park, Bio Waste Management Laboratory.

Organized by

Bio Waste Management Laboratory, Vel Tech Technology Incubator (Vel Tech TBI)
supported by the Department of Science and Technology (DST), Government of India.

Veltech Dr. RR & Dr. SR University

HANDS ON TRAINING IN ATOMIC ABSORPTION SPECTROSCOPY(AAS) TECHNIQUE

ORGANIZED BY

Vel Tech Technology Incubator

ON

Saturday, 9th September, 2017

Programme Shedule

S.No	Time	Topic	Resource Person	Venue
1	08.30	Registration	Mr.Shaju/Mr.Thilipkumar Vel Tech TBI	NI Lab, 1 st Floor, Research Park, VTU
2	08.40 - 08.50	Welcome Address	Mr. P.Chandrakumar, Manager Vel Tech TBI	NI Lab, 1 st Floor, Research Park, VTU
3	09.00- 10.00	Introduction to Atomic Absorption Spectroscopy (AAS) Technique	Dr. P. Vijayalakshmi, Scientist, TNPCB	NI Lab, 1 st Floor, Research Park, VTU
Batch-I				
4	10.00- 12.00	Lab Visit & Discussion forum	Dr. N. Radhakrishnan, In-charge, Bio Waste Management Lab	NI Lab, 1 st Floor, Research Park, VTU
5	12.00- 01.00	Lunch break		M/s.Annapoorani Canteen Hall, VTU
6	01.00- 03.30	Hands on training in AAS Technique	Dr. P. Vijayalakshmi, Scientist, TNPCB	Bio Waste Management Lab, (Room 9 & 10) Ground Floor, Research Park, VTU
Batch-II				
7	01.30- 03.30	Lab Visit & Discussion forum	Dr. N.Radhakrishnan, In-charge, Bio Waste Management Lab	NI Lab, 1 st Floor, Research Park, VTU
8	12.30- 01.30	Lunch break		M/s.Annapoorani Canteen Hall, VTU
9	10.00- 12.30	Hands on training in AAS Technique	Dr. P. Vijayalakshmi, Scientist, TNPCB	Bio Waste Management Lab, (Room 9 & 10) Ground Floor, Research Park, VTU
10	3.30- 3.45	Certificate distribution and Valedictory function	Mr. P. Chandrakumar, Manager Vel Tech TBI	NI Lab, 1 st Floor, Research Park, VTU

Veltech Dr. RR & Dr. SR University
HANDS ON TRAINING IN ATOMIC ABSORPTION SPECTROSCOPY(AAS) TECHNIQUE
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Participants Name List

S. No	Name	Department	Institute
1.	Annushrie	Biotech	VTHT
2.	Anubha	Biotech	VTHT
3.	Aswin Sidhaarth	Civil Eng	VTU
4.	Bhargavi	Biotech	VTU
5.	Chaman	ECE	VTU
6.	Dhithya	Biotech	VTHT
7.	Hima Manoj	Nanoscience & Technology	GKM College of Eng & Tech
8.	Kavya	Chemistry	VTU
9.	Malavika Shyam	Biotech	VTHT
10.	Manisha Rao	Biotech	VTHT
11.	Manoj Aravind	ECE	VTU
12.	Manoj	Biotech	VTU
13.	Niranjana	Biotech	VTHT
14.	Pallab Kalita	Biotech	VTU
15.	Parthasaradhi Reddy	Physics	VTU
16.	Pooja	Biotech	VTU
17.	Praful Singh	Biomed	VTU
18.	Pranav	Mech Eng	VTU
19.	Rajat Kumar	Biotech	VTU
20.	Ravisankar	Chemistry	VTU
21.	Sangeethan Krishnan	Biotech	VTU
22.	Sathyakala	Biotech	VTHT
23.	Saurabh Kumar Sahu	ECE	VTU
24.	Shaleni	Biotech	VTHT
25.	Shanmathi	Biotech	VTHT
26.	Smruthi	Biotech	VTHT
27.	Srinivasan	Chemistry	VTU
28.	Sushant Kumar	ECE	VTU
29.	Susmitha	Biotech	VTU
30.	Tamilarasi	Nanoscience & Technology	GKM College of Eng & Tech
31.	Vignesh	Civil Eng	VTU
32.	Vijayakumar	Chemistry	VTU
33.	Yogalakshmi	Biomed	VTU

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Attendance Sheet

S.no	Name of the Participant	Institute	Phone no	Signature
1	PRAFUL SINGH	VelTech VTU	9679545328	<i>P. Singh</i>
2	A. PRANAV	" VTU	9000639600	<i>Pranav</i>
3	PANILAB KALITA	" VTU	8402805279	<i>P. Kalita</i>
4	SAURABH KUMAR SAHU	" VTU	9120080023	<i>S. Sahu</i>
5	MANOJ ARAVIND S	VTU	8939075688	<i>S. Harish</i>
6	A. ANNUSHRIE	VelTech HT	9791022500	<i>A. Annushrie</i>
7	M. NIRANJANA	VEL TECH HIGH	7358536433	<i>M. Niranjana</i>
8	R. SMRUTHI	Vel Tech HT	9790933915	<i>R. Smruthi</i>
9	M. ANUBHA	VTHT	9445787620	<i>M. Anubha</i>
10	V. DHITHYA	VTHT	9941409834	<i>V. Dhithya</i>
11	SHANMATHI R.	VTHT	7502930310	<i>Shanmathi R.</i>
12	R. SHALENI	VTHT	9962336138	<i>R. Shaleni</i>
13	U. MANISHA RAO	VTHT	9003492042	<i>U. Manisha</i>
14	MALAVIKA BHVAM	VTHT	9637875523	<i>M. Bhvam</i>
15	SANGEETHAN S.B.	VTU	8939619540	<i>S. Sangeethan</i>
16	RAJAT KUMAR	VTU	9955381530	<i>Rajat Kumar</i>

VTU NO-10733, BALAJI HOSTEL

17	SUSHANT KUMAR	VTU	9587027655	Sushant Kumar
18	N. YOGIALAKSHMI	VTU	7871012013	N. Yogalakshmi
19	D. POOJA	VTU	9600161304	D. Pooja
20	D. KRASWINSIMARRIH	VTU	7358506455	
21	Dr. R. VIGNESH	VTU	9769586291	R. Vignesh
22	Dr. V. R. MANOJ	VTU	9176349218	V. R. Manoj
23	Dr. C. PARTHASARATHI REDDY	VTU	7200684168	
24	K. SATHYAKALA	VTU	9351925448	Sathyakala
25	S. H. KAVYA	VTU	8682984825	S. H. Kavya
26	CHAMAN	VTU	7868094844	Chaman
27	HIMA MANOJ	GKM College of Engg & Tech	8939098466	Hima Manoj
28	S. THAMIZHARASI	GKM College of Engg & Tech	9841028594	S. Thamilharasi
29	Dr. N. SRINIVASAN	VTU	9787084067	Dr. N. Srinivasan
30	Dr. N. RAMSODHAN	VTU	9444036488	N. Ramsodhan

Expert- Brief Biography



DR. P. VIJAYALAKSHMI

KEY TECHNICAL QUALIFICATION :

- B.Sc, Chemistry (M.V.M. Arts College for Women, Dindigul)
- M.Sc, Appled Chemistry (College of Engineering, Anna Universtiy, Guindy)
- Ph.D , Appled Chemistry – Environmental Science (Inter Disciplinary) - (Central Leather Research institute, Adyar, Chennai)

PROFESSIONAL EXPERIENCE:

- Dr. P. VIJAYALAKSHMI, has been working as an Environmental Scientist in Tamilnadu Pollution Control Board since 1997 with active participation on Research and Development of Wastewater, Hazardous waste management, Noise pollution, Air pollution Monitoring, Water Pollution Monitoring.
- Presently Working in Environmental Training Institute, TNPCB Corporate office, Chennai
- Interested to Prepare Various training modules and Proposals on Environmental Subject for TNPC Board Officials and Industrial Participants
- Participated as a Chief Guest in International Conference- Department of Chemical Engineering , National Institute of Technology, Trichy
- Participated as a Chief guest in National Conference - Department of Civil Engineering, KSR College Technology, Trichencodu, Nammakkal District
- Participated as a Chief guest in Department of Chemistry - Presidency College, Chennai
- Recently attended 2 weeks Training Programme on “Best Practices on Environmental Governances” in Sweden and Norway

Earlier she has worked as part – Time Lecturer in Central poly technical, Adyar, Chennai and lecturer in Dr. M.G.R. Janaki Arts College for Women, Adyar, Chennai with specific focus on Chemistry

Certificate

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Certificate of Participation

Dr/Mr/Ms.....

from the Department of

..... has attended the Hands on training
in "Atomic Absorption Spectroscopy (AAS) Technique" on 9th September, 2017 organized
by Bio Waste Management Laboratory, Vel Tech Technology Incubator (Vel Tech TBI) sup-
ported by the Department of Science and Technology (DST), Government of India at Veltech
Dr. RR & Dr. SR University.

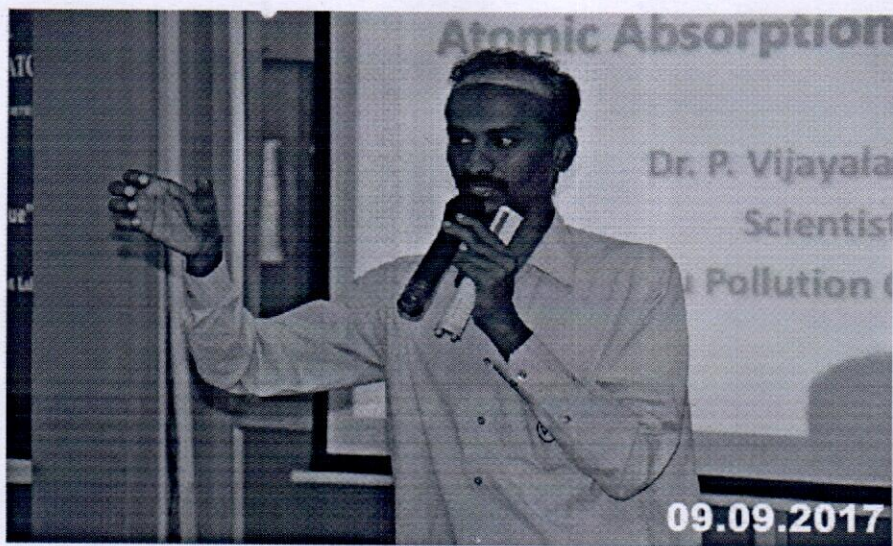


Dr. P. Vijayalakshmi
Scientist
Tamil Nadu Pollution Control Board (TNPCB)

Prof. Dr. P. Sarasu
Director, Industry Relations
Veltech Dr. RR & Dr. SR University

Event Photos









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Budget Vs Expense Details

S.No	Description	Budget (Rs.)	Expense (Rs.)
1	Banner	500	500
2	Participants Certificate	500	320
3	Photos and Album	200	-
4	Miscellaneous Expense (Coffee for Guest & Battery for Mic)	-	45
Total		1,200	865

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Income Vs Expense Details

S. No	Income (Rs.)	Expense (Rs.)
1	33 Participants (33x 600) = 19,800	865

Profit (Income-Expense) = Rs. 18, 935/-

Profit = Rs. 18,935/-

