



Parvatibai Chowgule College of Arts and Science
Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale in 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award

EVIDENCE

3.7.1.1- Total number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work

2018-2019

Evidence of usage of the Instrument Facility under SAIF for measurement of VSM, FTIR, UV, FTRaman Spectra. (Feb. 2019)

Screenshot of VSM done

Total Number of Work Orders: 6 **Total Number of Samples: 12**

Instrument Name	Date	Reference No	No of Samples	User Name	Address
VSM	2020-01-09	VSM09/01/2020114929	2	ROHITH VINOD K	RESEARCH SCHOLAR, NCSNT, UNIVERSITY OF MADRAS, GUINDY CAMPUS, CHENNAI -25
VSM	2020-01-13	VSM10/01/2020062627	1	Antony Raj	Antony Raj, Department of Physics, Govt Arts College, Coimbatore
VSM	2020-01-15	VSM10/01/2020070655	5	Yatin P. Desai	Yatin P. Desai Assistant Professor Physics Department Parvatibai Chowgule College of Arts and science, Gogol, Margao-Goa 403602
VSM	2020-01-13	VSM13/01/2020050027	1	C. VENKATESWARAN	C. VENKATESWARAN HEAD DEPARTMENT OF NUCLEAR PHYSICS CHENNAI - 25
VSM	2020-01-14	VSM14/01/2020075414	1	R. Mahalakshmi	Department of Physics, St. Peters Institute of Higher Education & Research, Avadi, Chennai
VSM	2020-01-15	VSM15/01/2020063402	2	Arup Dutta	Dr. Rishanlang Nongkhaw, Department of Chemistry, North Eastern Hill University, Shillong-793022

Total Number of Work Orders: 0 **Total Number of Samples: 0**

Screenshot of FTIR done

Total Number of Work Orders: 20 **Total Number of Samples: 47**

Instrument Name	Date	Reference No	No of Samples	User Name	Address
FT-IR	2020-01-03	FTI03/01/2020071010	5	khussain	Prof. K. HUSSAIN REDDY UGC-BSR Faculty Fellow Department of Chemistry Sri Krishnadevaraya University ANANTAPUR - 515 003 (AP)
FT-IR	2020-01-07	FTI07/01/2020084248	1	Nimmy L John	Department of Physics Christian college Chengannur, Chengannur P.O 689122
FT-IR	2020-01-13	FTI09/01/2020081529	4	khussain	Prof. K. HUSSAIN REDDY UGC-BSR Faculty Fellow Department of Chemistry Sri Krishnadevaraya University ANANTAPUR - 515 003 (AP)
FT-IR	2020-01-10	FTI10/01/2020072652	1	KRISHNA RAJ K	The Principal Presidency College Chennai - 600005
FT-IR	2020-01-10	FTI10/01/2020105114	3	V. Charles Vincent	The Principal, Govt Arts College, Ariyalur
FT-IR	2020-01-17	FTI14/01/2020073410	2	H. Charulatha	Chennai Hr. Sec School , Chennai
FT-IR	2020-01-23	FTI16/01/2020075351	3	PADALA SAI VARAHA PRADEEP	Anil Neerukonda Institute of Technology and sciences , SANGIVALASA 531162, Visakhapatnam , Andhra Pradesh
FT-IR	2020-01-21	FTI17/01/2020093328	5	Yatin P. Desai	Yatin P. Desai Assistant Professor Physics Department Parvatibai Chowgule College of Arts and science, Gogol, Margao-Goa 403602
FT-IR	2020-01-22	FTI21/01/2020052532	2	Rakavi CS	Department of Biotechnology, St. Josephs College of Engg, Chennai
FT-IR	2020-01-22	FTI21/01/2020053703	2	Grace Lydia Phoebe M	Department of Biotechnology, St. Josephs College of Engg, Chennai
FT-IR	2020-01-24	FTI22/01/2020055048	1	Sharmila.S	112/20A, Kamarajar street, Bigg Kanchipuram.
FT-IR	2020-01-24	FTI22/01/2020092911	1	P. Rajkumar	Mr. P. RAJKUMAR M.Sc.,(Ph.D). Asst Professor in Physics, Dept of Physics, King Nandhivaraman College

Screenshot of UV done

Instrument Name	Date	Reference No	No of Samples	User Name	Address
CHNSO	2020-01-31	CHNSO30/01/2020085707	2	M. Asha Jhonsi	Kattankulathur Chennai-603203 Dr. M. Asha Jhonsi, AP (Sr.G.), Department of Chemistry, BSACIST, Vandalur, Chennai-48
CHNSO	2020-02-06	CHNSO30/01/2020095435	1	Nishma E J	Anna University Regional Campus, Tirunelveli Region, Nagercoil Road, Tirunelveli, Tamilnadu.

Total Number of Work Orders: 14 **Total Number of Samples: 28**

Number of Samples in UV: 28					
Instrument Name	Date	Reference No	No of Samples	User Name	Address
UV	2020-01-03	UV02/01/2020010047	1	Khathijathul Kubra	Vellore Institute of Technology
UV	2020-01-03	UV03/01/2020075651	2	Ben Geoffrey	Department of Physics, Madras Christian College, Chennai-600059
UV	2020-01-06	UV06/01/2020055935	3	T. Jayamani	Department of CHEMISTRY, D. G. Vaishnav College, Chennai
UV	2019-12-13	UV07/01/2020054421	0	Malathi	Dr. S.Malathi, Crystal Growth Centre, Anna University, Chennai
UV	2020-01-07	UV07/01/2020090802	1	Nimmy L John	Department of Physics Christian college Chengannur, Chengannur P.O 689122
UV	2020-01-10	UV10/01/2020073609	1	KRISHNA RAJ K	The Principal Presidency College Chennai - 600005
UV	2020-01-10	UV10/01/2020112350	3	V. Charles Vincent	Dr. K. SELVARAJU, PG & RESEARCH DEPARTMENT OF PHYSICS, Govt Arts College, Ariyalur
UV	2020-01-21	UV17/01/2020095320	5	Yatin P. Desai	Yatin P. Desai Assistant Professor Physics Department Parvatibai Chowgule College of Arts and science, Gogol, Margao-Goa 403602
UV	2020-01-20	UV20/01/2020062108	3	Angeline Shirmila	Department of Physics, QMC, Chennai
UV	2020-01-22	UV21/01/2020121212	4	Kishore Kumar	SR PG, Besides Bawas medicals, Thalambur road, Navalur

Screenshot of FT-Raman

Instrument Name	Date	Reference No	No of Samples	User Name	Address
FT-RAMAN	2020-01-08	FTR08/01/2020063438	2	Gayathri	Ms. Nagalakshmi Gayathri III B.Sc Chemistry Womens Christian College Chennai-6
FT-RAMAN	2020-01-20	FTR10/01/2020073517	1	Ranjana Dewangan	Principal, Govt. VYT PG Autonomous college, Durg (c.G.) 491001
FT-RAMAN	2020-01-10	FTR10/01/2020074803	1	KRISHNA RAJ K	The Principal Presidency College Chennai - 600005
FT-RAMAN	2020-01-10	FTR10/01/2020105455	3	V. Charles Vincent	The Principal, Govt Arts College, Ariyalur
FT-RAMAN	2020-01-13	FTR10/01/2020111241	2	SRIVIDYA J	FF3 SRI SAI HARMONY NEW 63 OLD 61 ALAMELUMANGAPURAM MYLAPORE CHENNAI 600004
FT-RAMAN	2020-01-23	FTR13/01/2020100405	2	Remya Simon	The Principal, Stella Maris College, Chennai
FT-RAMAN	2020-01-20	FTR13/01/2020030111	1	K.Aswniya	Principal,Cauvery College for Women,Trichy - 620018
FT-RAMAN	2020-01-17	FTR17/01/2020065656	2	Rikarani R. Choudhury	B-25, CNI Complex, CIPET, BBSR, 751024
FT-RAMAN	2020-01-21	FTR17/01/2020095828	5	Yatin P. Desai	Yatin P. Desai Assistant Professor Physics Department Parvatibai Chowgule College of Arts and science, Gogol, Margao-Goa 403602
FT-RAMAN	2020-01-24	FTR22/01/2020055603	1	Sharmila.S	112/20A, Kamarajar street, Bigg Kanchipuram.
FT-RAMAN	2020-01-24	FTR22/01/2020094008	1	P. Rajkumar	Mr. P. RAJKUMAR M.Sc.,(Ph.D). Asst Professor in Physics, Dept of Physics, King Nandhivarnan College of Arts & Science, Thellar-604406
FT-RAMAN	2020-01-28	FTR23/01/2020064444	2	Joselin Beaula T	Dr. Joselin Beaula T Assistant Professor Department of Physics Malankara Catholic College, Mariagiri, Kaliakavilai, KK Dist PIN 629153
FT-RAMAN	2020-01-29	FTR23/01/2020082809	2	R. Subhakaran Singh	R. Subhakaran Singh, Research Scholar, Centre for Advanced Energy Studies, Koneru Lakshmaiah Education Foundation
FT-RAMAN	2020-01-27	FTR24/01/2020061110	3	sivasubr	Dr. M. Sivasubramanian, Assistant Professor in Physics, Govt. Arts College (Auto), Kumbakonam
FT-RAMAN	2020-01-27	FTR24/01/2020073737	1	G. Karpagakalyaani	9/1, Third street, IOB Colony, Gandhi Nagar, Tirunelveli - 627 008.
FT-RAMAN	2020-01-28	FTR24/01/2020074123	1	G. KIRISHNAMALINE	9/1, 3RD STREET, IOB COLONY, GANDHINAGAR, TIRUNELVELI.



SOPHISTICATED ANALYTICAL INSTRUMENT FACILITY

INDIAN INSTITUTE OF TECHNOLOGY MADRAS

Email: saif@iitm.ac.in Ph: 044 - 2257 4935

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GOVERNMENT OF INDIA

TAX INVOICE

GSTIN :33AAAAI3615G1Z6
 Invoice No :C1819SAIFT4418
 Invoice Date :2019-02-05
 Place of Supply :CHENNAI
 SAC :998346

Receipt No: VSM05/02/2019120715

Billing Address :Yatin P. Desai, Physics Department,Parvatibai Chowgule College of Arts and Science, Goa
 State :GOA
 State Code :30
 GSTIN :NIL

S.No	Description of Services	No of Samples	Taxable Value	IGST	
				Rate	Amount
1.	VSM	6	5085	18%	915
Total			5085		915

Total Invoice Value(in figure): 6000

Total Invoice Value(in words): Rupees Six hundred Only

We have received the payment for the above. Payment details are given below.

DD No : 001975

DD Amount : 6000

DD Date : 2019-02-05

Bank : Bank of India, Marga
for head SAIF

Bank Account Details

A/C Name	The Registrar, IIT Madras
A/C No.	2722101001741
IFSC	CNRB0002722
Bank Name	CANARA BANK
Branch Name	IIT - MADRAS BRANCH
MICR Code	600015085
SWIFT CODE	CNRBINBBIT

Terms and Conditions:

- DD to be drawn in favour of 'The Registrar, IIT Madras'
- The taxes shown are not on reverse charge basis

This bill / invoice / Receipt is electronically generated and hence, signature is not required.

Email exchange as an Evidence of linkage with NIO regarding analysis of XRD data

2/1/2020

Parvatibai Chowgule College of Arts and Science Mail - Re: xrd data of your samples



Yatin Desai <ypd001@chowgules.ac.in>

Re: xrd data of your samples

Girish A girish@nio.org
To: Yatin Desai <ypd001@chowgules.ac.in>

Mon, Dec 17, 2018 at 11:30 AM

Dear Dr Desai,

Please find the XRD data of your samples. Kindly reply as you receive it..

Regards.

=====

Girish A Prabhu
[Sr.Tech.Officer],
CSIR-National Institute
Of Oceanography,
Geological
Oceanography Division,
Dona Paula - Goa,
India,
PIN-403004
PH: [O] 0832 2450533,
Mob. 9970501118
email : girish@nio.org

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On 12/06/18 02:54 PM, Yatin Desai <ypd001@chowgules.ac.in> wrote:

Dear Sir,

Thanks a lot for your mail. We will come with our samples on 10th December at around 02.00.

Best Regards

Yatin Desai

On Thu, Dec 6, 2018 at 11:35 AM Girish A <girish@nio.org> wrote:

Dr Desai,

You can send your students on 10/12/2018 at around 2pm. Kindly give a reminder call on Sunday, as there is possibility of some changes at my end.

Please take care of the standard protocols I had sent you over the mail , last year. It will be better if the payment [Rs 200/per sample] is made on the same date. Thanks and regards.

=====

Girish A Prabhu
[Sr.Tech.Officer],

CSIR-National
Institute Of
Oceanography,
Geological
Oceanography
Division,
Dona Paula - Goa,
India,
PIN-403004
PH: [O] 0832

2450533, Mob.

9970501118 email
: girish@nio.org



On 12/05/18 03:04 PM, **Yatin Desai** <ypd001@chowgules.ac.in> wrote:

Dear Sir,

I am pleased to inform you that students listed below have prepared four chemical powder samples as a part of their **T.Y.B.Sc.** project under my guidance. We would like to characterize these samples using XRD facility available in your esteemed institution. Kindly give us an appointment to use these facilities. We would submit the letter from our college Principal to the Director of NIO to avail XRD facility, when we will visit NIO with our samples.

Thanking you.

Kind Regards

Yatin Desai

Assistant Professor,
Department of Physics
Parvatibai Chowgule College, Margao - Goa

List of Students and project guide

Name	e-mail ID	Phone Number
Mr. Sahil Jamwal	sahiljamwal4@gmail.com	8975710264
Ms. Sneha Modiyil	sam013@chowgules.ac.in	7030740987
Mr. Rishabh Sathe	rts001@chowgules.ac.in	8806466823
Mr. Shubham Chodankar	ssc012@chowgules.ac.in	9145217174
Mr. Yatin P. Desai (Project Guide)	ypd001@chowgules.ac.in	9765454506

6 attachments

-  **1.TXT**
35K
-  **2.TXT**
35K
-  **3.TXT**
35K
-  **4.TXT**
35K
-  **5.TXT**
35K
-  **6.TXT**
34K

Report on “Research Collaboration at National Centre Antarctica Ocean Research (NCAOR), Vasco and NIO, Goa”

Name of the institute / Centre with address & contact details	Purpose / objective	Collaborative activities conducted	No. of student participants	No. of faculty participants	Photographs
National Center Antarctica Ocean Research (NCAOR), Vasco	For the purpose of using <ol style="list-style-type: none"> 1. Scanning Electron Microscope and 2. Energy Dispersive Spectroscopy 3. Inductively Coupled Plasma mass Spectroscopy 	Research work Internships Project work	10 15	02	

<p>National Institute of Oceanography (NIO)</p>	<ol style="list-style-type: none">1. X-Ray diffraction2. X Ray Fluorescence	<p>Internship Research</p>	<p>02</p>	<p>01</p>	
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Report on Induction Programme (Ground water investigation)

The Induction Programme for new members of the 'Club Nebulites', a student's venture of the Department of Geology was held on 2nd August, 2018. It was followed by talks on 'Recent Career Trends in Geology' by Shri. Smitesh Talawadkar, Proprietor, Terra Hydrotech Solutions, Consultant for Geophysical Survey, Ground Water Management and Rain Water Harvesting; 'Insights on Goan Mining' by Shri. Santosh Ghadi, Associate Manager - Mine Planning and Geology and Shri. Mahesh Sridhar Patankar, Manager -Technical Services from Vedanta Ltd., and 'Mine site Reclamation and Rehabilitation' by Ms. Vandita Korgaonkar, Associate Manager-Environment (HSE) from Vedanta Ltd.



Shri. H. S. S. Nadkarni inducting a welcome to Mr. Santosh Ghadi and Mr.Smitesh Talawadkar
a new office bearer of delivering his talk

Report on “Lectures on Wildlife and Ecotourism”

The Department organized industry-academia lecture series & interaction on 07th January, 2019. The theme was on Wildlife and Ecotourism. Mr. Nirmal Kulkarni, Chairman, Mhadei Research Center, Chorla Ghats, India, spoke on “Journey of Herpatologist in India – From snakes wrangling to conservation science”. He shared his experience as a wildlife biologist and how his dedicated involvement in research led to his contribution of 06 new species of amphibians in Goa. Mr. Peter Lobo, Field biologist (Ecotourism), spoke on impact of Bird-watching tourism in N-E India. Ms. Catherine Pradhan Lobo, shared her experience on how she initiated Ecotourism company in Northeast India with the involvement of the local villagers. The event was attended by 98 participants.



**NATIONAL SEMINAR ON “BEST PRACTICES IN INSTITUTIONS OF
HIGHER EDUCATION”, HELD ON 20th DECEMBER 2018 AT
PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE.**

INTRODUCTION

A National Seminar on “Best Practices in the Institutions of Higher Education” was conducted by the Parvatibai Chowgule College of Arts and Science, at its campus, on 20 December 2018.

Various colleges from Goa as well as outside Goa participated in the Seminar.

Dr Nandkumar Sawant, Principal, extended a warm welcome to all the participants and requested them to share the best practices that are being followed by them.

OBJECTIVE

The objective of the Seminar was to give presentations, discuss and share the best practices by each college.

SYNOPSIS

The Seminar began with the Gogate Jogalekar College, Ratnagiri, Maharashtra. Dr. S.C. Thakur Desai, IQAC co-ordinator and Dr. A.Y. Pitre presented and spoke of their best practice that was “Theatre for development” wherein they included cultural activities like street plays, dramas, etc. They also shared their criteria wise best practice for NAAC evaluation.

The second college was Sophia Girls College, Ajmer, Rajasthan. The Principal, Dr. Sister Pearl, shared her best practice in their college. They focused on “environmental sustainability”. They have created a green aesthetic campus and generate their own electricity with the help of solar panels installed by them recently. They also, have Plant me “drive to encourage planting more trees and also, have their own bio-gas plant, add-on courses in Vermiculture and Bonsai and rain water harvesting.

The next presentation was made by Mr. Andrew Barreto from Parvatibai Chowgule College. His presentation was on “teaching-learning and evaluation”. The best practices followed in teaching-learning and evaluation in Chowgule College are POGIL, PBL, CLS, constructive learning, inquiry and research-based learning. He also highlighted the other best practices followed in the college like the student-teacher support, the student support services with writing centre and various other departments in it to cater to the needs of the students, having Academic writing and Research writing courses, CCAPS, CTL, encourage learning from google class room, ICT lab.

After each presentation, the attendees were given time to discuss and ask their queries.

After a short tea break, the Seminar was continued by Dr. Monica Kannan from Sophia College, Ajmer, Rajasthan. She discussed on the other notable best practices followed in their college. She spoke on research promotion, local linkages and their place in International Peer Reviewed Journal. The college also encourage their young students to the world of entrepreneurship. The college students have their own online store (start-up OASIS) for selling their hand made products.

The next presentation was made by Dr. Meenakshi Bawa, IQAC co-ordinator and Mr. Dattaprasad Shirgurkar which highlighted their best practice, "Go Green Initiative". They also have vermi-composting unit, roof top rain water harvesting, dry waste management and tree plantation drive among their best practices.

The next presentation was made by Shikshanmaharshi Dr. Bapuji Salunkhe Vidyalaya, Miraj, Sangli, Maharashtra. He spoke on "Green College Clean College", and "Plastic Free Campus" which were the best practices following by them.

The next presentation was by Dr. Elizabeth Henriques with Ms. Vinita V Kandolkar from the Govt College, Borda. Provision for internship programmes for the students is their best practice in the college.

The next presentation was made by Dr. Arvind M Haldarkar from Shree Mallikarjun College of Arts and Commerce, Canacona. He spoke of "Civic sensed Movement with two Clubs in it as their best practice. They also have a community wellness programme with an NGO named "Sangat".

The next presentation was given by Dr. D. Y. Jamadar from Baba Nayak Mahavidyalaya, Sangli, Maharashtra spoke of providing safety measures for the students by the college and how they have a tie up with 108 service. This is the best practice being following in their college.

To conclude, Dr. Nandkumar Sawant, Principal of Parvatibai Chowgule College, spoke on the "Global outlook of the college" and how teaching-learning method has been revised by the college to cater to the needs of the global students. He also spoke of the foreign faculty on campus and the students exchange programmes, the MoUs the college has recently signed with the Universities, National and International.

Lastly the dais was kept open for the attendees to share their experiences.

OUTCOME

The participants and attendees appreciated the Seminar which could share knowledge and generate awareness among them. Further, such practices which were not followed by the Institutions till now could be implemented for betterment. During the Seminar, Dr. Nandkumar Sawant, Principal, Parvatibai Chowgule College, suggested that urban-rural exchange programmes could be initiated.

Overall the Seminar was very enlightening and motivational.

Logistics Support was provided by Ms. Bhavana Sawardekar along with student volunteers. Photography by tiger studio and Refreshments and lunch ordered from College Canteen. Report prepared by Ms. Anila K.P.

Photographs



Dr. Nandkumar N. Sawant addressing to the participants at the National Seminar on 'Best Practices of the institution for Higher Education'



Other Presenters presenting their best practises at the National Seminar on 'Best Practices of the institution for Higher Education'





Participants posing for group photograph at the National Seminar on ‘Best Practices of the institution for Higher Education’



Participating members giving their feedbacks after the National Seminar on ‘Best Practices of the institution for Higher Education’



NAGARSENKAR'S CLASSIC HOSPITAL

Near Victor Hospital, Malbhat, Margao - Goa 403 601.

Tel.: 0832-2711013 / 14 / 15, Mob. : 9850743122

Date: 4th December 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Nandana Harikumar was working at my venture

"CLASSIC HOSPITAL" as a "Lab Technician" in pathology department from 10th November 2018 to 3rd December 2018 as an intern.

During her Period with us, we found her to be hardworking, honest, enthusiastic and self motivated.

We wish her success in all her future endeavors.





indoco remedies limited

L-32,33,34, VERNA INDUSTRIAL AREA, VERNA, GOA - 403 722

Phone: (0832) 6624209, 6624242, 6721600 • FAX: (91-832) 2782523 • CIN . L85190MH1947PLC005913

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Varsha Kuncolienkar a student of Parvatibai Chowgule College of Arts and Science, Margao – Goa. has undergone training in our Plant III from 1st May, 2018 to 19th May, 2018. During this period she was involved in learning the various processes of Microbiology department in the plant.

We wish her success in her future endeavor.

For INDOCO REMEDIES LIMITED PLANT III

Ajay Marathe
DGM-WORKS

Date: 19th May, 2018

Place: Verna, Goa



Amol Shet
DY. MANAGER – HR



LET CETRA AGRITECH PRIVATE LIMITED

Cubicle No. 2, Forum for Incubation Innovation Research
& Entrepreneurship (FIIRE),
Don Bosco College of Engineering, Fatorda - Goa 403 602
Phone: +91-9823211467 | +91-8830545414
Email: letcetra.agritech@gmail.com

Date: 30 July 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, **Ms. Nameeza Shaikh**, has successfully completed her Internship at **Letcetra Agritech Pvt. Ltd.**, farm at Thane, Valpoi, Sattari - Goa and worked on project titled "**Effect of Root-Zone Temperature on Growth and Quality of Hydroponically Grown Lettuce**" as part of her academics for Bachelor of Science in **Biochemistry**. She was a student of **Parvatibai Chowgule College of Arts & Science, Gogol, Margao - Goa**. The duration of internship was **7 May 2019 - 15 June 2019 (120 hours)**.

Her performance was found to be good. Letcetra Agritech wishes her all the very best for a bright career.

Harish Usgaonker
CTO, Letcetra Agritech



LET CETRA AGRITECH PRIVATE LIMITED

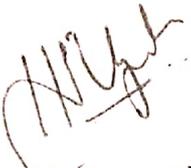
Cubicle No. 2, Forum for Incubation Innovation Research
& Entrepreneurship (FIIRE),
Don Bosco College of Engineering, Fatorda - Goa 403 602
Phone: +91-9823211467 | +91-8830545414
Email: letcetra.agritech@gmail.com

Date: 30 July 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, Mr. Uttam A. Sawant, has successfully completed his Internship at **Letcetra Agritech Pvt. Ltd.**, farm at Thane, Valpoi, Sattari - Goa and worked on project titled "Effect of Root-Zone Temperature on Growth and Quality of Hydroponically Grown Lettuce" as part of his academics for Bachelor of Science in **Biochemistry**. He was a student of **Parvatibai Chowgule College of Arts & Science, Gogol, Margao - Goa**. The duration of internship was **7 May 2019 - 15 June 2019 (120 hours)**.

His performance was found to be good. Letcetra Agritech wishes him all the very best for a bright career.


Harish Usgaonker
CTO, Letcetra Agritech



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Cubicle No. 2, Forum for Incubation Innovation Research
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Phone: +91-9823211467 | +91-8830545414
Email: letcetra.agritech@gmail.com

Date: 30 July 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, **Ms. Renita Fiencia Miranda**, has successfully completed her Internship at **Letcetra Agritech Pvt. Ltd.**, farm at Thane, Valpoi, Sattari - Goa and worked on project titled "**Effect of Root-Zone Temperature on Growth and Quality of Hydroponically Grown Lettuce**" as part of her academics for Bachelor of Science in **Biochemistry**. She was a student of **Parvatibai Chowgule College of Arts & Science, Gogol, Margao - Goa**. The duration of internship was **7 May 2019 - 15 June 2019 (120 hours)**.

Her performance was found to be good. Letcetra Agritech wishes her all the very best for a bright career.

Harish Usgaonker
CTO, Letcetra Agritech



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Phone: +91-9823211467 | +91-8830545414
Email: letcetra.agritech@gmail.com

Date: 30 July 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, **Ms. Fanzila Shaikh**, has successfully completed her Internship at **Letcetra Agritech Pvt. Ltd.**, farm at Thane, Valpoi, Sattari - Goa and worked on project titled "**Effect of Root-Zone Temperature on Growth and Quality of Hydroponically Grown Lettuce**" as part of her academics for Bachelor of Science in **Biochemistry**. She was a student of **Parvatibai Chowgule College of Arts & Science, Gogol, Margao - Goa**. The duration of internship was **7 May 2019 - 15 June 2019 (120 hours)**.

Her performance was found to be good. Letcetra Agritech wishes her all the very best for a bright career.

Harish Usgaonker
CTO, Letcetra Agritech



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Email: letcetra.agritech@gmail.com

Date: 30 July 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, **Ms. Bristi Baskar**, has successfully completed her Internship at **Letcetra Agritech Pvt. Ltd.**, farm at Thane, Valpoi, Sattari - Goa and worked on project titled "**Effect of Root-Zone Temperature on Growth and Quality of Hydroponically Grown Lettuce**" as part of her academics for Bachelor of Science in **Biochemistry**. She was a student of **Parvatibai Chowgule College of Arts & Science, Gogol, Margao - Goa**. The duration of internship was **7 May 2019 - 15 June 2019 (120 hours)**.

Her performance was found to be good. Letcetra Agritech wishes her all the very best for a bright career.

Harish Usgaonker
CTO, Letcetra Agritech



GenePath Dx

4th floor, Above Phadke Hospital
1260/B Jangli Maharaj Road, Shivajinagar
Pune 411004, Maharashtra, India
Mobile: +91-96234-95511 | Telefax: +91-20-25534780
contactus@genepathdx.com | www.genepathdx.com

Letter of Commendation

Date: June13, 2019

This letter is to certify that Mr. Abby Fernandes student of Parvatibai Chowgule College of Arts & Science, Margao, Goa, has worked as an intern at *GenePath Diagnostics India Private Limited*, a molecular diagnostics laboratory. He has completed an Internship Training Program for 120 hours from May 13, 2019 through June 13, 2019.

He was assigned the task of compiling the clinical results data to construct a repository. The results were for infectious diseases, haematology, oncology and other genetic disorders which are the clinical tests offered by the lab. He also assisted in organizing and cataloguing of primer stocks and reagents in different wet lab sections.

He observed the different extraction techniques for DNA, RNA and kit-based Viral sample preps, different analytical techniques – conventional PCR (Polymerase Chain Reaction), real-time RT PCR, NGS (Next Generation Sequencing), and also observed and understood how the analysis for these techniques is carried out.

During this program he worked as a member of our team and fulfilled our expectations. We wish him all the very best for pursuing his future academic goals.

Regards,



Dr. Kavita Satod
Director, Lab Operations
GenePath Diagnostics India Private Limited

DR. RAIKER'S PATHOLOGY LABORATORY

Of 9-11, Anant Dhara, Isidor Baptista Road, Margao-Goa. Ph.: Lab : 2730801 / 02 Res. : 2738065

3rd June 2019

CERTIFICATE

This is to certify that Shri. Rehan Noor Ahmed shaikh has successfully completed internship training programme as a laboratory technician for 120 hours from 8th May to 30th May 2019 in this laboratory.

During this period with us, we found to be hardworking, honest and enthusiastic.

We wish him success in his future endeavor.

Dr. Mohan Pai Raiker
M.D.

Reg. 0803 (GMC)
Dr. RAIKER'S PATHOLOGY LABORATORY,
OF 8, 9, 11, Anantdhara Bldg., Isidore Baptista Road,
Margao, Goa - 403 601.


Dr. Mohan Pai Raiker
M.D.



Goa Woodlands Hotel

MIGUEL LOYOLA FURTADO ROAD, OPPOSITE CITY BUS STAND, MARGAO - 403 601 (GOA)
PHONES : 0832 - 2715522 (4 LINES), 2712838, 2730376 FAX : 0832 - 2738732
E-mail : reservations@goawoodlandshotel.com | Website : www.goawoodlandshotel.com

TO WHOMSOEVER IT MAY CONCERN

This is to certify that MISS SIYA DESSAI has completed her "*Internship Training*" in "*Bakery*" *Confectionery Department*" from 13/05/2019 to 10/06/2019

While her services with us we have found her to be Honest & Hardworking. We wish her Best of Luck for her future endeavors

For *Goa Woodlands Hotel*

YASH VIRGINCAR
DIRECTOR



10th June 2019
Margao



KCRC's

HORIZON ICU & HOSPITAL

Date: 10/07/2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. Simran Couthino, student of Parvatibai Chowgule College of Arts & Science Gogol, Margao Goa, has undergone training (B.Sc in Bio- Technology, Laboratory Department) (120 hrs) at KCRC's Horizon ICU and Hospital, Margao – Goa, from 01st April to 17th April 2019.



KCRC'S
HORIZON ICU & HOSPITAL

Rua de Saudades, Pajifond, Margao, Goa 403 601 India

Tel: 0832 2711111, 2705555, 2714141

Compassionate. Honest. Affordable

(General Manager)

KCRC's Horizon ICU and Hospital

Date: 10/07/2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. Kate Cabral, student of Parvatibai Chowgule College of Arts & Science Gogol, Margao Goa, has undergone training (B.Sc in Bio-Technology, Laboratory Department) (120 hrs) at KCRC's Horizon ICU and Hospital, Margao – Goa, from 01st April to 17th April 2019.



KCRC'S
HORIZON ICU & HOSPITAL

Rua de Saudades, Pajifond Margao Goa 403 601 India

Tel 0832 2711111, 2705555, 2714141

Compassionate Honest Affordable

(General Manager)

KCRC's Horizon ICU and Hospital



KCRC's
HORIZON ICU & HOSPITAL

Date: 09th May 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Melvin Fernandes, a student from Smt. Parvatibai Chowgule College of Arts & Science, Goa has undertaken the Summer Internship Project at KCRC's Horizon ICU & Hospital, for a period of 15 Days; from 22nd April 2019 to 08th May 2019 (120 Hours).

The project report has been completed successfully & her pleasant interactions with the hospital team during the Internship blended well with her organized system of work.


KCRC's
HORIZON ICU & HOSPITAL

Rua de Saude, Pajfont Margao, Goa 403 001 India
Tel: 0832 2711211, 2705533, 2714141

Compassionate. Honest. Affordable.
Wilfred Menezes

General Manager / CEO

Administration & Human Resource Department

KCRC's Horizon ICU & Hospital



KCRC's

HORIZON ICU & HOSPITAL

Date: 09th May 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Manasi Pendse**, a student from **Smt. Parvatibai Chowgule College of Arts & Science**, Goa has undertaken the Summer Internship Project at **KCRC's Horizon ICU & Hospital**, for a period of 15 Days; from 22nd April 2019 to 08th May 2019 (120 Hours).

The project report has been completed successfully & her pleasant interactions with the hospital team during the Internship blended well with her organized system of work.



KCRC'S
HORIZON ICU & HOSPITAL

Rau de Saudade, Pações, Margão, Goa 403 601 India
Tel. 0832 2711111 / 2705555 / 2714141
Compa

Wilfred Venezes

General Manager / CEO

Administration & Human Resource Department

KCRC's Horizon ICU & Hospital

Date: 08-06-2019

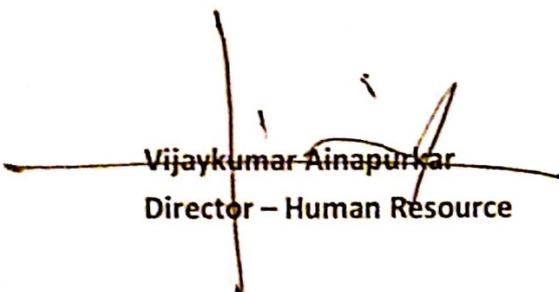
TO WHOMSOEVER IT MAY CONCERN

This is to certify that, Ms. Devika Arsekar from Parvatibai Chowgule of Arts and Science Autonomous, Fatorda - Goa has successfully completed her Internship / Organizational Study at our factory premises from 24-05-2019 to 08-06-2019.

During her stint with us she was found to be sincere, eager to learn and committed.

We wish her good luck for her academics.

For Tevapharm India Private Limited


Vijaykumar Ainapurkar
Director – Human Resource

Tevapharm India Private Limited

Goa Plant: Plot A-1, Phase 1-A, Verna Industrial Estate, Verna-403722, Goa (India) | Tel.: +91 832 6685500/504 | Fax: +91 832 2887937 | Email: goa@teva.co.in
Regd. Office: M-34, Saket, New Delhi, 110017 | CIN: U33111DL2000FTC268478 | Email: tevapharm.india@teva.co.in | Website: www.tevapharm.com



A **TEVA**
company

Watson Pharma Private Limited

Plot No. 53/1000, Phase 1 &
Verna Industrial Estate, Verna
Salcette - Goa 403 722,
INDIA

Tel: +91 (0) 832 6690000 ext. 777
Fax: +91 (0) 832 288711
CIN: 124230MPL2005

Date: 08-06-2019

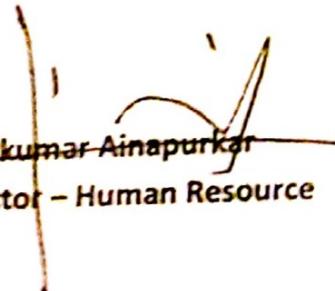
TO WHOMSOEVER IT MAY CONCERN

This is to certify that, Ms. Selcea D'costa from Parvatibai Chowgule of Arts and Science Autonomous, Fatorda - Goa has successfully completed her Internship / Organizational Study at our factory premises from 24-05-2019 to 08-06-2019.

During her stint with us she was found to be sincere, eager to learn and committed.

We wish her good luck for her academics.

For Watson Pharma Private Limited


~~Vijaykumar Ainapurkar~~
Director - Human Resource

Our Way

Challenge

Date: 08-06-2019

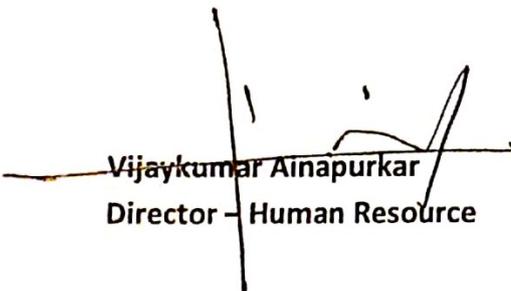
TO WHOMSOEVER IT MAY CONCERN

This is to certify that, Ms. Pranjal Kalekar from Parvatibai Chowgule of Arts and Science Autonomous, Fatorda - Goa has successfully completed her Internship / Organizational Study at our factory premises from 24-05-2019 to 08-06-2019.

During her stint with us she was found to be sincere, eager to learn and committed.

We wish her good luck for her academics.

For Tevapharm India Private Limited


Vijaykumar Ainapurkar
Director - Human Resource

Tevapharm India Private Limited

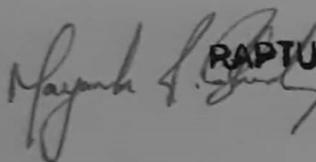
Goa Plant: Plot A-1, Phase 1-A, Verna Industrial Estate, Verna-403722, Goa India | Tel: +91 832 6685500/504 | Fax: +91 832 2887937 | Email: goa@teva.co.in
Regd. Office: M-34, Saket, New Delhi, 110017 | CIN: U33111DL2000FTC268478 | Email: tevapharm.india@teva.co.in | Website: www.tevapharm.com

CERTIFICATE

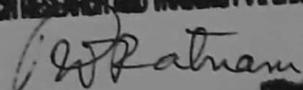
This is to certify that **Ms. Apurva Sawant, D/o Mr. Damodar Laxmana Sawant**, student of **B.Sc. Biotechnology (Second Year)**, Roll No.-**SU170374** from "**Parvatibai Chowgule College, Goa**", has successfully completed her Basic Techniques Training Program of 15 days, from 10th June 2019 to 21st June 2019, in our Biotechnology Division at **Hyderabad Campus** with **A+ Grade** on the topic:

- 1. Food Microbiology**
- 2. Enzyme Technology**

We wish for her bright future. **Certificate Number:RSTH-1906/06**


RAPTURE BIOTECH
CEO

Mr. Mayank Raj Bhardwaj
Chief Executive Officer
Rapture Biotech, India.


FOR JANAHITA BIOTECH RESEARCH AND TRAINING PVT. LTD.(OPC)
DIRECTOR

Dr. Bharat Ratnam Parayitam
Director
Janahita Biotech, Hyderabad



21st Jan, 2019

TO WHOM IT MAY CONCERN

This is to certify that Mr. Saish Santosh Naik has undergone Industrial Training with us from 17th Nov 2018 to 03th Dec 2018.

During his Internship Training with us, we found him sincere, honest and hardworking.

A handwritten signature in blue ink, appearing to read 'Ajit Gupta', is written over a horizontal line.

Ajit Gupta

Site HR Head

Cipla Ltd. M - 61, M - 62, M - 63 & N-5, Verna Industrial Estate, Verna, Salcette, Goa - 403722.
Tel (0832) 2889900

Cipla Ltd. Regd. Office Cipla House, Peninsula Business Park, Ganpatrao Kadam Marg, Lower Parel, Mumbai - 400 013
Phone +91 22 24826000 Fax +91 22 24826120 E-mail contactus@cipla.com Website www.cipla.com



Parvatibai Chowgule College of Arts and Science
Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale in 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award



Internship report

Internship program at:

(Cipla pharmaceuticals limited)

Date (17 November 2018 – 3rd December 2018)

Name: Saish Naik

Class: TY BSc

Roll no: SU160238

Number of Hours completed: 120

INTRODUCTION

Cipla is an Indian pharmaceutical and biotechnology company with a multinational presence, and one of the world's largest manufacturers of generic pharmaceutical formulations. It was founded in 1935 by Dr. Khwaja Abdul Hamiedas as The Chemical, Industrial & Pharmaceutical Laboratories. It has its headquarters in Mumbai, Maharashtra, and offices in Belgium, UK, and the United States.

Cipla has 34 manufacturing facilities in India that are cGMP compliant and conform to national and major international standards. Its formulations are sold in 170+ countries including the United States, Canada, Europe, Africa, Australasia, Latin America and Middle East.

Cipla's portfolio includes 2000+ products across multiple therapeutic categories, including treatment for acute, chronic and rare conditions. The company makes affordable medicines and has played a pioneering role in HIV/AIDS treatment. It is among the leading manufacturers of ARV (anti-retroviral) drugs in the world, and was the world's first pharmaceutical company (in 2001) to supply ARVs to countries at less than a dollar a day. In the financial year 2014-15 (according to company sources), its ARV formulations were used by more than 2 million HIV patients in 100 countries.

OBJECTIVE AND EXPECTATIONS OF THE INTERNSHIP

The objective of the internship was to improve my skills and gain better experience in my field. To learn various tests performed to check the quality of the product or raw materials. It serves as one of the most important functions in the pharmaceutical production and control.

BRIEF OVERVIEW OF ACTUAL WORK DONE

In the first seven days of the internship I was appointed in different departments, later followed by Quality Control department for the remaining days of the internship. Under the QC department my self assisted the analyst in the following different department;

Microbiology department

Department of Packing material

Raw material department

Stability department

Finished product department

Non routine department

The rest days we were given SOP's to read.

OBSERVATIONS, CHALLENGES AND SUGGESTIONS

We were introduced to all the departments in the company in the first seven days. We were focused on the QC departments as it comes under our field. The quality control department is responsible to ensure that the raw materials or the manufactured product meets the requirements of the client. Every raw material received is tested for identity and conformance to specifications. Sampling and preparation of composite sample in sampling and retention of sample is done. Affixing of Undertest labels on container is done.

Observed chemist performing analysis such as weighing, dilutions, filtrations and also observed how the analysis is done according to the procedure provided. Each and every test is carried out with proper care and accuracy. Each sample is labelled correctly and stored in proper chambers. All the data is updated in the software known as LIMS. To handle lab instruments with care and proper technique and carry out different tests without any problem.

We did our 15 days internship in quality control, in these days we observed all the tests done by the analyst.

The challenge was to handle lasted lab instruments successfully to carry out different test without any problem.

CONCLUSION

Industrial training programme was a lifetime time experience as I was exposed to the environment of an industry for the first time ever. It was the first time that I experienced how the industrial processes proceed. It also helped me understand the various processes of the plant, the rules and the regulations to be followed in the industry and the operations that are carried out in the pharmaceutical industry. This helped me increase my knowledge and will be very much useful in my professional career. This has also helped me improve my communicating skills.



21st Jan, 2019

TO WHOM IT MAY CONCERN

This is to certify that Mr. Pranil Prakash Pednekar, has undergone Industrial Training with us from 17th Nov 2018 to 03th Dec 2018.

During his Internship Training with us, we found him sincere, honest and hardworking.

A handwritten signature in blue ink, appearing to read 'Ajit Gupta', is written over a horizontal line.

Ajit Gupta

Site HR Head

Cipla Ltd. M - 61, M - 62, M - 63 & N-5, Verna Industrial Estate, Verna, Salcette, Goa - 403722.
Tel (0832) 2889900

Cipla Ltd. Regd. Office Cipla House, Peninsula Business Park, Ganpatrao Kadam Marg, Lower Parel, Mumbai - 400 013
Phone +91 22 24826000 Fax +91 22 24826120 E-mail contactus@cipla.com Website www.cipla.com



Parvatibai Chowgule College of Arts and Science
Autonomous

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Best affiliated College-Goa University Silver Jubilee Year Award



Internship report

Internship program at:

(Cipla pharmaceuticals limited)

Date (17 November 2018 – 3rd December 2018)

Name: Pranil Pednekar

Class: TY BSc

Roll no: SU160285

Number of Hours completed: 120

INTRODUCTION

Cipla is an Indian pharmaceutical and biotechnology company with a multinational presence, and one of the world's largest manufacturers of generic pharmaceutical formulations. It was founded in 1935 by Dr. Khwaja Abdul Hamiedas as The Chemical, Industrial & Pharmaceutical Laboratories. It has its headquarters in Mumbai, Maharashtra, and offices in Belgium, UK, and the United States.

Cipla has 34 manufacturing facilities in India that are cGMP compliant and conform to national and major international standards. Its formulations are sold in 170+ countries including the United States, Canada, Europe, Africa, Australasia, Latin America and Middle East.

Cipla's portfolio includes 2000+ products across multiple therapeutic categories, including treatment for acute, chronic and rare conditions. The company makes affordable medicines and has played a pioneering role in HIV/AIDS treatment. It is among the leading manufacturers of ARV (anti-retroviral) drugs in the world, and was the world's first pharmaceutical company (in 2001) to supply ARVs to countries at less than a dollar a day. In the financial year 2014-15 (according to company sources), its ARV formulations were used by more than 2 million HIV patients in 100 countries.

OBJECTIVE AND EXPECTATIONS OF THE INTERNSHIP

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BRIEF OVERVIEW OF ACTUAL WORK DONE

In the first seven days of the internship I was appointed in different departments, later followed by Quality Control department for the remaining days of the internship. Under the QC department my self assisted the analyst in the following different department;

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Department of Packing material

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The challenge was to handle lasted lab instruments successfully to carry out different test without any problem.

CONCLUSION

Industrial training programme was a lifetime time experience as I was exposed to the environment of an industry for the first time ever. It was the first time that I experienced how the industrial processes proceed. It also helped me understand the various processes of the plant, the rules and the regulations to be followed in the industry and the operations that are carried out in the pharmaceutical industry. This helped me increase my knowledge and will be very much useful in my professional career. This has also helped me improve my communicating skills.



Parvatibai Chowgule College of Arts and Science
Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale in 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award



Internship Report

Internship Program at:

(DCI Pharmaceutical Private Limited)

Date: 23 May – 08 June 2019

Name of Student: Rachel Pereira

Roll No: SU170032

Class: T.Y.B. Sc

Number of Hours: 120

Introduction:

I have completed my internship at DCI Pharmaceutical Pvt Ltd, Vidyanagar Margao. This company is a celebrated name in offering high quality array of pharmaceutical medicines in domestic as well as the global market. With its excellence in this domain and experience, the company has emerged as a reputed manufacturer, exporter and supplier of pharmaceutical drops and injections. Their features like no side effects, effectiveness, hygiene preparation and purity have attracted buyers in the global market. They are engaged in manufacture of small volume liquid injectables in ophthalmic and optic products. DCI Pharmaceutical Pvt. Ltd. Has been accredited by WHO awarded Good Manufacturing Practise Certification. The vision of this company is to build a globally oriented professionally managed, socially aware and environmentally conscious organization, committed to provide the best in quality healthcare. It is strengthened with competent employees and sophisticated instruments and machineries. Various departments that operates there include:

1. Administration office
2. Manufacturing department
3. Packing department
4. Quality department
5. Stores
6. Utility area

Objectives/expectations of the internship:

The main aim of the internship was to complete the desired hours and also to take it up as a challenge as a part of practical learning of the subject of my interest. To know whether I can have a liking towards a job in the industry and to learn many new things such as to lay down a procedure for proper identification, storage and handling of raw and packing materials.

Brief overview of actual work done

As it is a pharmaceutical industry the three main things which I as a bachelor in chemistry could work was the quality control, quality assurance and the microbiology department.

QUALITY CONTROL

1. Read the standard operating procedures.
2. Filing of the reports accordingly.

3. Writing information of the products that are approved in a register.
4. Going to the stores and applying the approved labels.

QUALITY ASSURANCE

1. Separating the expired products from the rest.
2. Labelling and stamping of products.
3. Writing information of the products that are approved in a register.
4. Piling files in an orderly manner in a box and writing information about the same.

MICROBIOLOGY

1. Labelling of the test tubes
2. Preparation of solution
3. Covering the test tubes containing media before testing
4. Entering the records on the computer.

Observation, challenges and suggestions

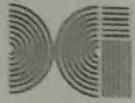
The most interesting observation was that one has to change the clothing whiles entering in different departments. The footwear should be changed. No employee can enter late if so then it is counted as half day. The employees working in production can come out only during lunch to avoid any contamination. All the departments are interlinked to one another. The work should be completed on that day itself any delay can cause a problem. There are standard procedures to be followed for everything you do. Every mistake you do is written on paper and cannot be hidden. Any mistake on paper should be closed in brackets and signed off with date and signature. The working place should be kept clean. The instruments should be put on well in advance. Each and every step should be recorded.

The challenges faced were that I as a bachelor did not have much idea about the various instrumentations. Mostly we are not given to operate the instruments. It was the first time at a working place so it would be difficult to adjust to such timing. I could not understand some terminology that was used.

Conclusions:

To conclude it was the best learning experience. An industrial experience puts you under test of self-reliability and self-confidence. I also have improved my communication with people. I

have opened my self up and have learnt to give my opinion. I have also learnt that I should not be scared to do any work which is not known to me because every first step is a learning process. Moreover, I have overcome the fear of working in an industry and I have also gained knowledge of how an industry actually works.



DCI Pharmaceuticals Pvt. Ltd.

Date: 08/06/2019.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Rachel Pereira has undergone training in our organization with effect from 23rd May 2019 to 08th June 2019 and has completed 120hrs.

This certificate is issued to her to submit the same to Parvatibai Chowgule College of Arts and Science (Autonomous)..

For DCI Pharmaceuticals Pvt. Ltd.

Mr. S. A. Pai Vaidya
General Manager- Operations



Parvatibai Chowgule College of Arts and Science
Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale in 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award



Internship Report

Internship Program at:

(Siddharth Chemicals)

Date:23 May –08 June 2019

Name of Student: Krutika Rane

Roll No: SU170036

Class: T.Y.B. Sc

Number of Hours: 120

Introduction:

I have completed my internship at Siddharth Chemicals.

Siddharth Chemicals is the leading industrial biocides manufacturer in India with a ISO 9001:2015 Certification in chemical manufacturing having experience of over three decades.

SidChem is India's largest manufacturer of Dithiocarbamate. Manufacturing unit is located at the Kundaim Industrial Area, at Ponda- Goa & also a workshop at Dombivili. SidChem's administrative office is based in Vaddem, Vasco-da- gama. The current installed capacity is 6000 Tons per annum. SidChem's in house R&D efforts have pioneered several advances in the process as well as in the product mix. SidChem's products represent a wide range of chemistries, all of which have been demonstrated to be effective in controlling bacteria, yeast, fungi, and algae in many aqueous-based industrial applications. The vision of this company is to build a globally oriented professionally managed, socially aware and environmentally conscious organization, committed to provide the best in quality industrial biocides. It is strengthened with competent employees and sophisticated instruments and machineries.

Various departments that operates there include:

1. Administration office
2. Manufacturing department
3. Packing department
4. Quality department
5. Stores
6. Utility area

Objectives/expectations of the internship:

The main aim of the internship was to complete the desired hours and also to take it up as a challenge as a part of practical learning of the subject of my interest. To know whether I can have a liking towards a job in the industry and to learn many new things such as to lay down a procedure for proper identification, storage and handling of raw and packing materials.

Brief overview of actual work done

As it is a industrial biocides the two main things which I as a bachelor in chemistry could work was the quality control and quality assurance.

QUALITY CONTROL

1. Read the standard operating procedures.
2. Filing of the reports accordingly.
3. Writing information of the products that are approved in a register.
4. Going to the stores and applying the approved labels.

QUALITY ASSURANCE

1. Separating the expired products from the rest.
2. Labelling and stamping of products.
3. Writing information of the products that are approved in a register.
4. Piling files in an orderly manner in a box and writing information about the same.

Observation, challenges and suggestions

The most interesting observation was that one has to change the clothing whiles entering in different departments. The footwear should be changed. No employee can enter late if so then it is counted as half day. The employees working in production can come out only during lunch to avoid any contamination. All the departments are interlinked to one another. The work should be completed on that day itself any delay can cause a problem. There are standard procedures to be followed for everything you do. Every mistake you do is written on paper and cannot be hidden. Any mistake on paper should be closed in brackets and signed off with date and signature. The working place should be kept clean. The instruments should be put on well in advance. Each and every step should be recorded.

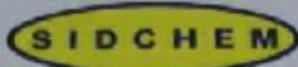
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Conclusions:

To conclude it was the best learning experience. An industrial experience puts you under test of self-reliability and self-confidence. I also have improved my communication with people. I have opened my self up and have learnt to give my opinion. I have also learnt that I should not be scared to do any work which is not known to me because every first step is a learning process. Moreover, I have overcome the fear of working in an industry and I have also gained knowledge of how an industry actually works.



International Standards
Certification
Co. No. SAC/2011/115



SIDDHARTH CHEMICALS

(ISO 9001:2015 Certified Company)

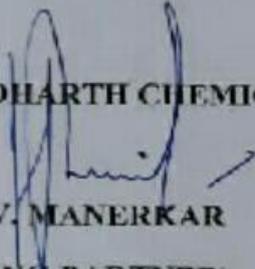


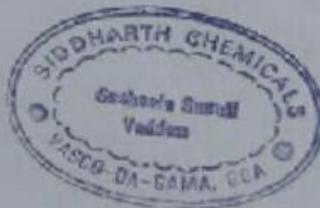
TO WHOM SO EVER IT MAY CONCERN

THIS IS TO CERTIFY THAT MISS KRUTIKA PRATAP RANE HAS UNDERGONE TRAINING IN OUR ORGANIZATION WITH EFFECT FROM 23RD MAY 2019 TO 8TH JUNE 2019 AND HAS COMPLETED 120 HRS.

THIS CERTIFICATE IS ISSUED TO HER TO SUBMIT THE SAME TO PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

FOR SIDDHARTH CHEMICALS


SHAKIL V. MANERKAR
(MANAGING PARTNER)



PLACE:- VASCO-DA-GAMA

DATE:-22.11.2019.



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Internship Report

Internship Program at:

(DCI PHAMACEUTICAL COMPANY)

Date: (12th November 2018 to 28th November 2018)

Name of Student: Scarlet Kimy Henriques

Roll No: SU170052

Class: SYBSc

Number of Hours: 120 hours

Introduction

DCI Pharmaceuticals Pvt. Ltd. is a pharmaceutical company that is involved in manufacturing drugs such as eye drops, ear drops, and injections. The manufactured drugs are exported to various countries like Myanmar, US, Nepal, and other countries. The company has various departments which is vital for its smooth working. Interns are placed in different departments after a period of 4 to 5 days. It includes Quality control (QC), Quality Assurance (QA), Microbiology Department, Store Department, Production, Packaging etc. As an intern I was placed in the Quality Assurance Department, the Stores dDepartment and later in the Quality Control Department.

Objectives of the internship

The main aim of the internship at DCI Pharmaceutical Company was to gain more knowledge, put into practice the theoretical part of my studies and understand the importance with respect to working in a pharmaceutical company.

Brief overview of actual work done

The working of each department was explained in brief.

Quality Assurance Department

- Observes stability chambers.
- Reading Standard Operating Procedures (SOPs).
- Entering data in record books and computers.
- Labelling of record books was also done.

Store Department

- Reading Standard Operating Procedures (SOPs).
- Entering of Inventory Reports, issue slips, and labels.
- Maintaining records of excess materials in record books.

Quality Control Department

- Working of the department was explained.
- Reading Standard Operating Procedures (SOPs).

- Entering data in record books and computer.
- Sampling tests.
- Working of pH meter, Polarimeter, and auto titrator was explained.

Observations, challenges and suggestions

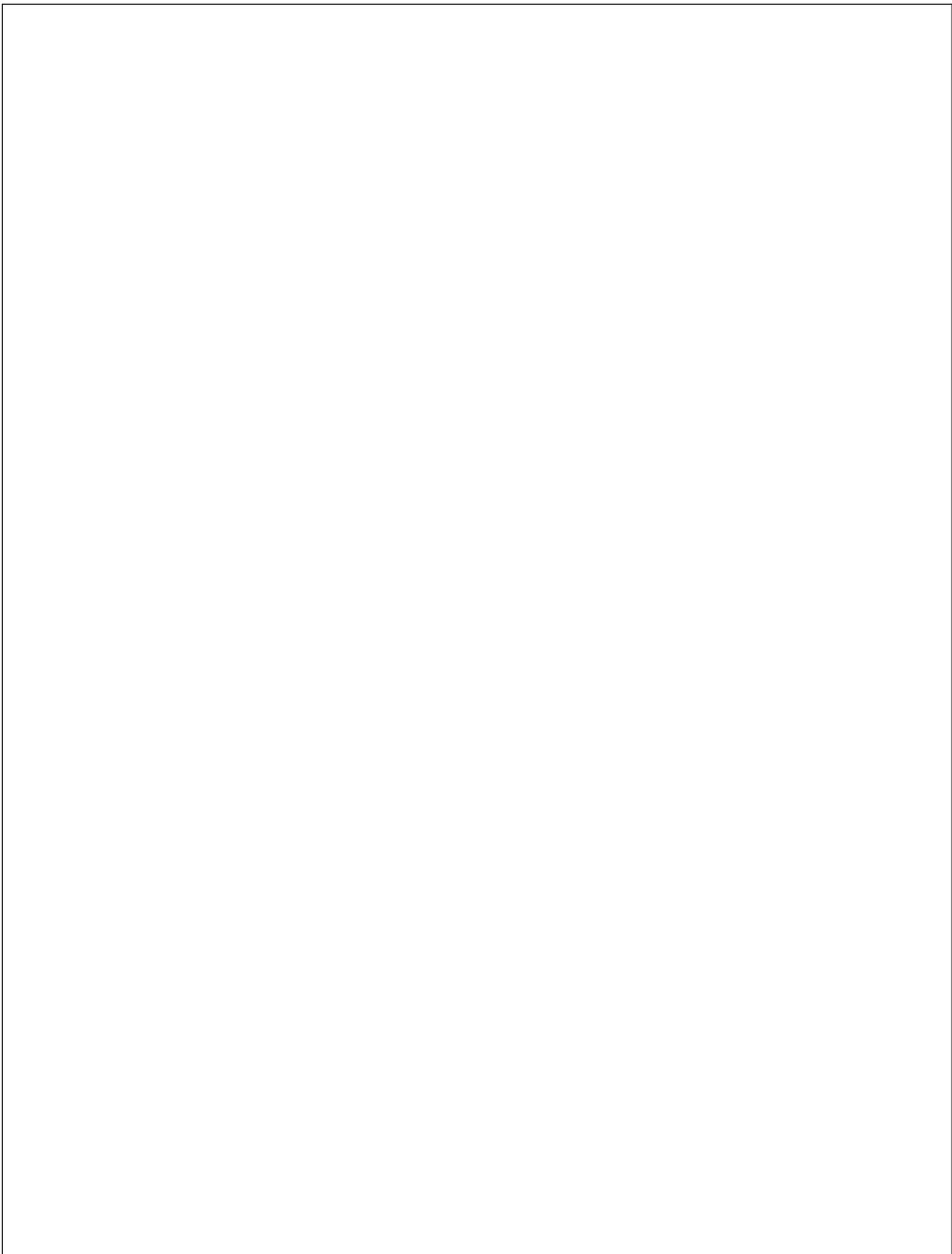
The company is very systematic in its working. All the activities in every department are carried out time to time. The scientific instruments used for various purposes and also the records of the drugs being manufactured are well maintained. The employees were very friendly and were good in explaining and sharing useful information.

One of the challenges faced was, the difficulty to understand the paperwork and also entering similar data in multiple places.

Also, It was difficult to maintain records.

Conclusion

- Working at DCI Pharmaceutical Company was a good experience.
- It was a great opportunity for me to learn about working of a pharmaceutical company.
- Working at the company for complete two weeks has improved my communication skills, computer skills, and laboratory skills.
- It also helped me to learn more about operating new instruments which in future will benefit me as I go forward with my studies.





DCI Pharmaceuticals Pvt. Ltd.

Date: 14/12/2018.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Scarlet Henriques** has undergone training in our organization with effect from 12th November 2018 to 28th November 2018 and has completed 120hrs.

This certificate is issued to her to submit the same to Parvatibai Chowgule College of Arts and Science (Autonomous).

For **DCI Pharmaceuticals Pvt. Ltd.**

Mr. S. A. Pai Vaidya
General Manager- Operations



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Internship Report

Internship Program at:

(DCI PHARMACEUTICAL Pvt. Ltd.)

(22th November – 08th December 2018)

Name of Student: Sarifa Regina Fernandes

Roll No: SU170095

Class and Subject: Sy.Bsc - chemistry

Number of Hours completed : 120 hrs

Introduction:

DCI pharmaceutical pvt Ltd is a pharmaceutical company that prepares eye drops and Ear Drops using many laboratory techniques and methods as well as many equipped instruments.

Objectives/expectations of the internship:

I worked in this pharmaceutical company with a motive of learning about how the medicines are manufactured. The main aim was to get an experience about how the departments work and on what principles the drugs are being produced in the market.

Brief overview of actual work done

This internship provided me a platform to explore the world of medicines. For the first 6 days I got an opportunity to work in the microbiology laboratory. There I learnt about the various chemicals they use and the methods they use to check the environment control. They explained to me the main principle i. e “the BET method “ Which they use for checking the growth of any microorganism like the bacteria or the algae. The incubators were also used to maintain the temperature of the culture samples so as to check the rate of growth of these micro creatures. I also learnt to do the databases and also prepared their checking schedule of water purifiers of the next month . I got an experience to change the culture plates that contained the algae and bacteria samples from one incubator which had low temperature in the other which had slightly higher temperature. I learnt about how the BET method works, about the BET instrument also. Then I was been put in the QA department for the next 9 days where I learnt about how to use a printer and scan documents. I also transferred many chemical tablets from the incubators. I also learnt to label the drugs and also maintained a journal . I was also given an opportunity to go to the stores department where they showed me how to write on the labels n dates.

Observation, challenges and suggestions

Observation : I observed the working of the instruments as well as the dedication of the people working in the company. The systematic working and the smooth functioning of the methods.

Challenges : it was very difficult to work with the chemicals like the ketone. Also I found it very difficult in the beginning to print documents and the scanning work

Suggestion : I suggest to give all of your energy and dedication to work in any department of the company. May it be the QA or the QC.

Conclusions:

It was a pleasure for having given me an opportunity to work in the departments of a pharmaceutical company. I acknowledged all the work that was given to me and I gave my best to complete it. I got to learn a lot and I got a vast experience about how a pharmaceutical company runs. I'm sure someday this experience will help me in my life. And I'll also try to put into practice all the new things I learnt there.



DCI Pharmaceuticals Pvt. Ltd.

Date: 29/12/2018.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Sarifa Fernandes** has undergone training in our organization with effect from 22th November 2018 to 08th December 2018 and has completed 120hrs.

This certificate is issued to her to submit the same to Parvatibai Chowgule College of Arts and Science (Autonomous).

For DCI Pharmaceuticals Pvt. Ltd.


Mr. S. A. Pai Vaidya
General Manager- Operations



Regd. Office: Anand Bhavan, Old Station Road, Margao, Goa - 403601
Website: www.agrawalgroupgoa.com

Phone: 0832-2704131/32/33; Fax: 0832-2730372
Email: info@agrawalgroupgoa.com

Factory Address: Vidyanagar, Margao, Goa - 403601

Factory Phone: 0832-2750582
Email: dcid@dcipharma.co.in



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Internship Report

Internship Program at:

(DCI Pharmaceuticals Pvt. Ltd.)

(22 November – 8 December 2018)

Name of Student: Lavita Sequeira

Roll No: SU170131

Class and Subject: SYBSc -Chemistry

Number of Hours completed : 120 hours

Introduction:

DCI Pharmaceuticals pvt. Ltd. Is a company where eye and ear drops are manufactured having departments such as Quality Assurance, Quality Control, Microbiology, Stores which has different functioning.

Objectives/expectations of the internship:

I chose this internship so as to improve my knowledge and understanding about the working of pharmaceuticals.

Brief overview of actual work done

In department of Quality Assurance, I had to number the pages and draw columns on registers. On computer, I had to prepare the tables of SOP's (Standard Operating Procedure) and enter the readings in those tables. Take printouts of the SOP's. I also had to recheck whether there are any corrections to be done.

In Quality Control department, I got to see the working of different instruments such as BET instrument, UV spectrometer, etc. I had to report the aims in the registers, write the requirements of solutions in the departmental laboratory.

In Microbiology department, I had to transfer the culture plates having agar in the incubator in order to have the growth of fungus and bacteria. I also had to enter the data on the computer.

In stores department, I had to do labelling on bottles with the solution name, the date and the name of the person who received it.

Observation, challenges and suggestions

Observation: Working in a pharmaceutical company they take a mere care of employees by providing them with lab coats and slippers. I also observed the tests conducted to control the quality of drops.

Challenges: Being a intern it was difficult for me to do the printing in the beginning and to mix with the employees.

Suggestions: I suggest them to maintain their infrastructure and also have proper insulation for doors as the currents passes through them. I also suggest the employees to work with dedication.

Conclusions:

I got to know the different functions of each department. I learnt the temperature ranges at which fungus and bacteria grows and What function they have in the drops.

TIN : 30661100534
CST No. M/CST/1284
CIN No. U24231GA1975PTC000251
PAN : AAACD5966D



DCI Pharmaceuticals Pvt. Ltd.

Date: 29/12/2018.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Lavita Sequeira** has undergone training in our organization with effect from 22th November 2018 to 08th December 2018 and has completed 120hrs.

This certificate is issued to her to submit the same to Parvatibai Chowgule College of Arts and Science (Autonomous).

For **DCI Pharmaceuticals Pvt. Ltd.**


Mr. S. A. Pai Vaidya
General Manager- Operations



Regd. Office: Anand Bhavan, Old Station Road, Margao, Goa - 403601
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Email: info@agrawalgroupgoa.com

Factory Address: Vidyannagar, Margao, Goa - 403601

Factory Phone: 0832-2750582
Email: dci@dcipharma.co.in

 **DCI Pharmaceuticals Pvt. Ltd.**

Date: 24/05/2019.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Shania Correia** has undergone training in our organization with effect from 08th May 2019 to 24nd May 2019 and has completed 120hrs.

This certificate is issued to her to submit the same to Parvatibai Chowgule College of Arts and Science (Autonomous).

For DCI Pharmaceuticals Pvt. Ltd.



Mr. S. A. Pai Vaidya
General Manager- Operations



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Internship Report

Internship Program at:

(DCI Pharmaceuticals Pvt. Ltd)

DATE (8th May 2019- 24th May 2019)

Name of Student: Shania Diana Correia

Roll No: SU170149

Class: TYBsc - Chemistry

Number of Hour: 120 hours

Introduction

DCI Pharmaceuticals Pvt. Ltd. is a well established company, engaged in offering a high quality array of Pharmaceutical Medicines in the domestic as well as global market. With its excellence in this domain and industry experience, the company has emerged as a reputed Manufacturer, Exporter and Supplier of Pharmaceutical Medicines such as Pharmaceutical drops, and Pharmaceutical Injections. Their features like no side effects, effectiveness, hygiene preparation, and purity have attracted so many buyers in the global market. They are a team of dedicated professionals who strive hard to deliver quality content to the buyers. Moreover, they are a quality conscious firm and their business values revolve around the three words- consistency, quality and commitment. The name of the General Manager of the Company is Mr. S. A. Pai Vaidya. It was established in the year 1968.

Objectives/expectations of the internship:

The main objective of the internship was to learn how a pharmaceutical company works and how to put our theoretical studies into practice.

Brief overview of actual work done

- I have worked in the Microbiology Department and Process of air sampling for different microbes was performed.
- Analysis of samples on a daily basis.
- I have also worked in the Quality Assurance Department where we did the packing of different injection bottles, and eye drop bottles.
- And also in the Quality Control Department, to find the pH of water was done by using a pH meter.
- Observation of the microbe level in different plates was done. Entering of data into record books was done on a daily basis.
- Reading of Standard Operating Procedures (SOPs)

Observation, challenges and suggestions:

- The company is very systematic in its working. Proper hygiene was maintained. Time management and proper planning was essential in this industry.
- Daily analysis of different samples was a difficult task.
- Maintaining the temperatures of the different samples was challenging.

Conclusions:

- I learnt how to use different instruments.
- I have also learnt how to put in our theoretical studies into practice.
- Working in a Pharmaceutical company made me improve my skills in communication, computers, and laboratory tasks.
- This internship enabled me to gain a good experience in a Pharmaceutical company.



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Internship Report

Internship Program at:

(DCI Pharmaceuticals Pvt. Ltd)

Date (12th November 2018 – 28th November 2018)

Name of Student: Alicia Libania Menezes

Roll No: SU170153

Class: SYBsc Chemistry

Number of Hour: 120 hours

Introduction:

DCI pharmaceuticals Pvt. Ltd is a part of the Agarwal line of industries which is engaged in offering a high-quality array of Pharmaceutical Medicines in the domestic as well as global market. Headed under the General manager Mr. S.A. Pai Vaidya, it functions through 6 Departments: Administration, production, Quality assurance, Quality Control, Microbiology, packaging, stores, etc. Each of these departments is headed by their respective heads and alongwith with their qualified and dedictaed employees, this company works systematically towards excellency and has emerged as a reputed manufacturer, exporter and supplier of pharmaceutical medicines such as ophthalmic solutions (eye drops), ear drops, ampoules, and injectables in the domestic and global market. The company focuses on quality, consistency and commitment.

Objectives of the internship:

The main aim of this internship was to aquire more knowledge, skills, learn and understand the working within an industry and put into practice the theoretical part of my studies. Thus, giving me exposure to the pharmaceutical sector.

Brief overview of actual work done

As an Intern, I worked under the following departments:

Quality Control (QC)

- Explanation of the working of a chemical industry and its classification.
- Reading the Standard operating procedures (SOP).
- Daily Water sampling.
- Noting the readings at the distillation unit.
- Checking the BOD of the water samples.
- Checking the pH of the water samples.
- Preparation of primary and secondary standards.
- Preparing the registers to be used for the year 2018-19.
- Labelling the instruments and registers.
- Entering of data, stability reports and dispatch batches.

- Learning how to check the quality of the packaging material and shade cards.
- Learnt how to use HPLC.
- Demonstration on how to use the various instruments like IR spectrophotometer, UV-visible spectrophotometer, pH meter, different analytical balances, flame photometer.
- Demonstration on how the above instruments are calibrated.

Microbiology Department

- Reading of Standard Operating Procedure (SOP).
- Preparation of cultures.
- Exposing and collecting the culture plates at different spots in the entire factory.
- Incubating them under different temperatures for fixed durations to check microbial growth.
- Filling in of environmental monitoring reports.
- Entering data.
- Preparing the registers for the year 2018-19.
- Demonstration on how to conduct Bacterial endotoxic test (BET), and the operation of the various chambers.

Quality assurance (QA)

- Reading of Standard operating procedures (SOPs).
- Numbering and checking of Individual Record books that were used.
- Observing the stability chambers.
- Entering stability reports.

Also visited the production area, and various other departments and the working of each was explained.

Observation, challenges and suggestions

- The company is very systematic and efficient in its functioning. Right from the sample of water and chemicals used, to the final product and the packaging material every single thing that is used in the production of the medicines are checked, tested, and assured. Every employ and intern follows proper working etiquettes, hygiene, and

proper time management, planning, and punctuality which play an important role in the whole process of manufacturing.

- At times, due to the delay in arrival of a sample, the chemist responsible for the testing experiences problems as all the departments are inter-dependent on each other. Entering of data and handling the records is a very tedious process.

Conclusions:

- Working in DCI as an Intern was a very good experience, as it taught me how to put my theoretical knowledge into practice.
- It has given me a good exposure and understanding of the pharmaceutical industry, what are the necessities and qualification required to holding a good post in the firm.
- It has taught me how time management, proper planning, precision and proper coordination is necessary to work efficiently.
- It has improved my computer skills as well as laboratory skills and it gave me an added advantage of how to use various analytical instruments which will be all useful in my further studies and career.



DCI Pharmaceuticals Pvt. Ltd.

Date: 14/12/2018.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Alicia Menezes** has undergone training in our organization with effect from 12th November 2018 to 28th November 2018 and has completed 120hrs.

This certificate is issued to her to submit the same to Parvatibai Chowgule College of Arts and Science (Autonomous).

For **DCI Pharmaceuticals Pvt. Ltd.**

Mr. S. A. Pai Vaidya
General Manager- Operations



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Internship Report

Internship Program at:

Pfizer Limited

Plot No. L-137, Phase III-A, Verna industrial Estate,
Verna Goa

Date: 16th November – 4th December 2018

Name of Student: Apeksha Hiru Naik

Roll No: SU170165

Class and Subject: SYBSc Chemistry

Number of Hours completed: 120 hours

Introduction:

I had done my internship at Pfizer limited, located at Plot No. L-137, Phase III-A, Verna Industrial Estate, Verna Goa.

Pfizer was founded in 1849 by German –American Charles Pfizer and his cousin Charles F. Erhart from Ludwigsburg, Germany. They launched the chemicals business Charles Pfizer and company from a building at the intersection of Harrison Avenue and Bartlett Street in Williamsburg, Brooklyn, where they produced an antiparasitic called santonin. This was an immediate success, although it was the production of citric acid that really kick-started Pfizer's growth in the 1880s.

Pfizer Inc, the world's largest research based pharmaceutical company, discovers, develops, manufactures and markets prescription medicines in 11 therapeutic areas including oncology, cardiovascular, pain, neuroscience and infectious diseases, including HIV/AIDS. Pfizer is also the world's largest animal health company.

Pfizer scientists have produced innovative breakthroughs in a wide range of research areas, including depression, high cholesterol, HIV infection, hypertension, bacterial infections and systemic fungal infections and also they are taking some of the world's most difficult diseases, including cancer, arthritis and osteoporosis.

During the internship I was placed in the Quality control and Quality Assurance Department as an intern. I had also received brief explanation about different departments within the company and was explained the functions of each department.

Objectives/expectations of the internship:

The main aim was to learn and understand principles of performing different analysis, experiments, and to learn different methods followed during working.

Brief overview of actual work done

➤ QC Department

- I read SOPs (Standard Operating Procedures) of QC department.
- I helped in the preparation of solutions during analysis.
- I helped in writing protocols.
- I helped with HPLC and other analysis with my guide.
- Also, Learned about the IR spectroscopy and UV spectroscopy.
- They also gave brief information on TLC, its uses and how to perform it.

- I gained experience to handle pH meter.
- Calibration of laboratory instruments or equipments was done daily.
- Company employee, showed me how the final analysis results were entered into the computer.
- I also used tablet hardness tester to know the hardness of tablets.
- During my internship I used tablet friability tester.
- I also came across dissolution tester, rotator shaker, etc.

➤ QA Department

- Read SOPs of QA department
- Also learned how Initial training is given to students who enrol themselves, for apprenticeship
- Use of different rules followed for documentation
- On every document there should be the signature of QA Head, without his signature the document is invalid.
- Taught how to give training for the interns as well as new employee on safety guidelines.

Observation, challenges and suggestions

- The responsibility of quality control department is to ensure that all materials meet the established criteria throughout all phases of the process.
- It was seen that raw materials, components, packaging, and labelling were examined and tested according to a rigorous written program designed to assure uniformity in batches of tablets.
- Any mistake such as writing error and weighing error in the pharmaceutical industry needs to be avoided for better end results.
- The rules and regulations of the company need to be strictly followed.
- Being an undergraduate student it was difficult for me to initially understand the whole procedure of SOP which was not introduced to me in college.
- SOPs are designed by the QA Department so that standard procedures are followed.
- Checking of the temperature and humidity is of utmost importance which is done on daily basis by QA.
- Transportation from Panda to Verna on a regular basis on time was a slight challenge for me.

Conclusions:

- We have been taught how to prepare standard volumetric solutions and maintain standardization record.

- Had to follow good laboratory practices.
- Got the guidance in laboratory work with full attention and to handle the apparatus as well as instruments with proper care.
- Also learnt to accurately check the volume of solutions.
- One of the most important thing one gets to learn and observe in a pharmaceutical industry is the time management and to complete the given task within particular time.
- It also taught to follow safety norms at all stages during handling of chemicals and using instruments.



Pfizer Limited

Plot No. L-137, Phase III-A, Verna Industrial Estate,
Verna, Goa 403 722.
Telephone : 91-832-6727 100 / 6727 111
Facsimile : 91-832-6727 114

December 4, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Apeksha Naik, SY BSc. Chemistry from Parvatibai Chowgule College of Arts & Science, Margao, has undergone unpaid practical training in our organization as a part of his curriculum from November 16, 2018 to December 4, 2018.

During her training with us we found her to be an enthusiastic learner.

We wish her all success in her academics and future endeavors.

For PFIZER LIMITED

A handwritten signature in blue ink, appearing to read "GAJANAN GAWAS", written over a blue diagonal line.

GAJANAN GAWAS
MANAGER – HUMAN RESOURCES

Regd. Off. : The Capital, 1802/1901, Plot No. C-70, G Block, Bandra Kurla Complex, Bandra (East), Mumbai - 400 051.
Tel : +91 22 6693 2000 Fax : +91 22 2654 0274

CIN : L24231MH1950PLC008311
www.pfizerindia.com



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INTERNSHIP REPORT

Internship program at
Royal hospital Margao Goa

Date :- 7th June– 30th June 2018

Name : Hemangi kale

Roll no – SU170279

Class – TYBSc (chemistry)

Number of hours - 120

Introduction

Royal hospital is a multispecialty hospital which extends medical care to patient in a very friendly and homely environment . It provides various facilities such as 24 hours accident and emergency (casualty), Intensive care unit, newborn intensive care unit for premature babies , 24 lab and x-ray facilities , ultrasound etc. The internship was done in a pathology lab. It is well equipped lab with latest computerized machines which allows t provide report in a less time.

Objective

The main aim of the internship was to learn to perform various tests. To gain experience in working hospital, To build up self-confidence , to handle instruments wisely and also interaction with staff.

Brief overview of actual work done

These are some of the task undertaken during the internship:-

1. Complete blood cell count(CBC)
2. HIV detection
3. Widal test
4. Blood group testing (ABO and RH factor)
5. TB test
6. Urine routine and microscopy testing and observing different cells under microscope.
7. Pour plating ,culture of bacteria , gram staining and test for antibiotics sensitivity .
8. Hepatitis detection (HBS)
9. Malaria and Dengue fever testing.
10. Electrolytic testing
11. Record keeping , dispatching of reports and helping others works.
12. Bactac testing, identification of different bacteria.

Observation, challenges and suggestions

The environment of the hospital was very friendly and they maintained clean and hygiene environments in its surroundings. It provides 24 hours facilities and services to the patients. As a intern I got opportunity to observe and learn various tests performed. The lab was little congested which created difficulty while working and the pharmacy was also small. Other that everything was perfect.

Conclusions

- 1) Working as a intern was great experience which helped to gain practical and theoretical knowledge.
- 2) It helped in increasing communications skills, various ways of handling patients.
- 3) It was a great opportunity for learning, enhancing and developing skills in the field.



To,
The Vice Principal,
Parvatibai Chowgule College of Arts and Science.

Date: 17/12/2018

Sub: Intership in Royal hospital

Madam,

Intership of below mentioned students is done as per your request from 7th November 2018 to 30th November 2018 (120 hours) under our guidance. They have learned all medical and nursing helping job of the hospital during their tenure. Their work in the hospital was satisfactory.

We wish them all the best in their future Career.

Names of the students:

1. Hemangi Kale
2. Pratiksha Gawas
3. Tanvi Shirodker
4. Pallavi Ghatekari
5. Tanvi Naik

Thanking you,


Vijay Teli

(D.M.L.T), Laboratory Incharge





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Internship Report

Internship Program at:

(ROYAL HOSPITAL)

Date (7TH November- 30th November 2018)

Name of Student: Pratiksha Bharat Gawas

Roll No: SU170282

Class: Tybsc chemistry (single major)

Number of Hours: 120

INTRODUCTION

As part of curriculum we have conducted the internship at Royal hospital located at Aquem-Margao, Goa. It is multi-speciality hospital, the services provides general surgery, Nephrology, Imaging nad radiology, urology. And they have the advanced medical facilities in hospital. The board of directors of this hospital are Dr. Rajeshwar Naik, Dr. Shailesh Kamat, and Dr. Sandeep Pawar and Dr.Virendra Goankar. The hospital is located in clean environment. All the patients are treated as soon as they arrived and their treatment starts as soon as possible. During my internship I was placed in the laboratory for testing various samples.

Objectives expectations of the internship:

The main objective of my internship was to learn the different methods of analysing different biological sample used in the hospital laboratories. Developing the new sets of skills, improving skills in laboratory technique, working in different environment and to develop competences in the field which is out of my comfort

Brief overview of the actual work done

Some of the tasks undertaken during this internship include:

- Testing of urine samples and preparing cultures to detect infection
- Urine test
- Blood grouping test
- Blood glucose testing
- Stool testing
- Gram staining
- HIV detection
- Blood test

Observation and challenges

During my internship days I observed that different instrumental techniques for testing urine samples, blood samples, stools, etc. The staffs present were very corporative and encouraged us to do the testing under their supervision. We observed the cultural growth of microbes and drew conclusion about different diseases. The few challenges faced were lack of space in the laboratory which caused inconvenience for the patients. If the patience number increases more than 2 then all the staff member and interns along with the patients could not accommodate at the same time in the laboratory.

Conclusion

Hospital is not an easy place to work as you have to keep your emotions aside and treat people. This internship helped to be mentally stable when I saw people in pain. It also improved my social skill and gained a little knowledge in medical field too. It gave me rough sketch how a hospital system works. It helped me learn different methods to analyse biological samples using advanced instruments. Under the supervision of lab technicians I performed urine test, prepare cultures, detection of blood group etc. It helped me to communicate better with people. Working here was a really good experienced



To,
The Vice Principal,
Parvatibai Chowgule College of Arts and Science.

Date: 17/12/2018

Sub: Intership in Royal hospital

Madam,

Intership of below mentioned students is done as per your request from 7th November 2018 to 30th November 2018 (120 hours) under our guidance. They have learned all medical and nursing helping job of the hospital during their tenure. Their work in the hospital was satisfactory.

We wish them all the best in their future Career.

Names of the students:

1. Hemangi Kale
2. Pratiksha Gawas
3. Tanvi Shirodker
4. Pallavi Ghatekari
5. Tanvi Naik

Thanking you,


Vijay Teli

(D.M.L.T), Laboratory Incharge





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Internship Report

Internship Program at:

Nirakar Engineering PVT. LTD (NEPL)

Date :12 November to 30 November 2018

Name of Student: Manthan Naik

Roll No: SU170286

Class and Subject: SYBsc Chemistry

Number of Hours completed : 120 hours

Introduction:

NEPL is an ISO 9001:2005 certified company and startup recognized having certificate no :DPPI 6935. The company has diverse portfolio of products and services in the field of automation, electrical electronics, structure engineering ,consumer products and material handling ,energy conservation ,project and services etc. The eminent customers of NEPL includes Indian Navy, Indian Railway, Konkan Railway, Goa Shipyard, Nuclear Power Corporation of India, IIT Dharwad and IIT Goa.

Objectives/expectations of the internship:

Objectives of internship was to :

- 1)Get exposure to practical working conditions in the Company.
- 2)Develop the qualities of team work, communication and in cultivate the required ethics while working with seniors.
- 3)Develop the required skills to work on Chemical Pre- treatment process .
- 4)Learn the life skills which are required for the development of the career.

Brief overview of actual work done

- 1) I was kept as the co supervisor in Chemical pre-treatment process plant.
- 2)I was kept to observe the time for which the aluminium was immersed in the NaOH. Afterwards batch of 100 was removed from NaOH and 1 set was kept for analysis and rest 99 were taken for powder coating. Once 99 sets were done with powder coating they were kept in hot oven at temperature of 210 Degree Celsius. Soon afterwards they were taken to packing compartment.

During my entire period of internship I was involved in this entire process.

- 3) The most importantly I was given the training on how to file the GST return from the assistant accountant of the NEPL.
- 4) Even I got the opportunity to learn about the e-tendering process.
- 5)I helped the project manager in Electroplating and Passivation division.

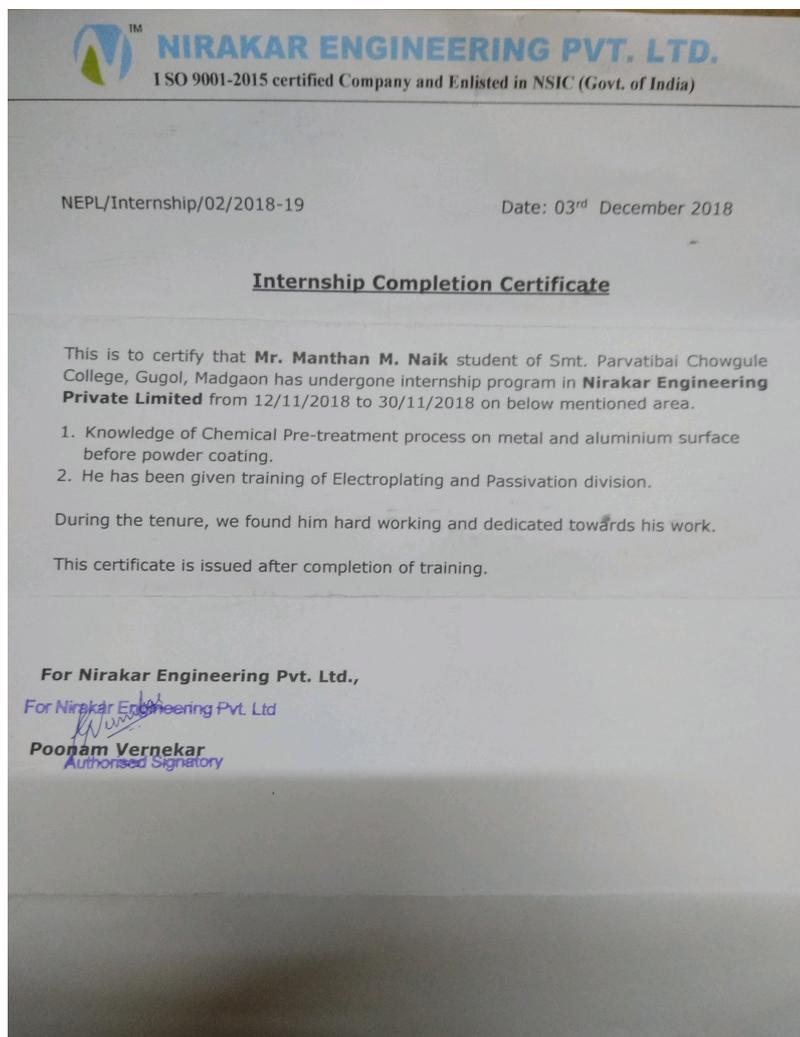
Observation, challenges and suggestions

- 1) It was observed that NEPL had a very strict management. All the employees from office to the machine operator had to be on time. In case of delay in 15 mins their was a remark entered on their attendance card.
- 2) Cell phones were not allowed on the shop floor.
- 3) As a intern it was sometimes difficult to approach the office staff.

Conclusions:

Overall I had a real time learning experience working in NEPL.

- 1) Got exposed to the practical realities and learnt that there is a huge bridge between the academic output and actual market requirement.
- 2) Learnt that communication skills play a pivotal role while interacting with people.
- 3) Got to know about the steps involved in the powder coating process.
- 4) Learnt about the GST return filing .
- 5) Got knowlege of how to participate in e-tendering process.





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Internship Report

Internship Program at:

Royal hospital

Date: November 2018

Name of Student: Tanvi Naik

Roll No: SU170288

Class: TYBsc Chemistry

Number of Hours: 120 hours

Introduction

Royal hospital is a multi-specialised hospital which extends medical care to patient in a very friendly and homely manner situated at Aquem, Margao. The Royal hospital believe that any person in need of medicinal help comes to hospital with high expectation, hoping that he will be cured or relieved of distress and treated with compassion and care. They treat every patient in a manner any doctor will own family member in need of medical attention. It offer comprehensive menu of pathology, microbiological tests. The lab follows strict protocols set up by the hospital. They look forward to work closely with clinicians and patients to reduce the burden of diseases and promote healthy life.

Objective

The internship was done with the objective of leaning, having a smooth and harmonious beginning with an organisation, gaining knowledge about different diseases and learning how to cure it. Developing new sets of skills, improving skills and working in different environment, opportunity to enhance and develop competences in my career field.

Brief overview of actual work done

Some of the tasks undertaken during this internship include:

- ❖ Urine test
- ❖ Blood grouping test
- ❖ Blood glucose testing
- ❖ Stool testing
- ❖ Gram staining
- ❖ HIV detection
- ❖ Blood test
- ❖ ELISA test
- ❖ Identification of organisms
- ❖ Creatinine test
- ❖ Pregnancy detection
- ❖ Anaemia test
- ❖ Enzymatic test
- ❖ Media preparation: macconkey media, agar media
- ❖ Malaria detection test
- ❖ Dengue detection test
- ❖ Serum amylase determination
- ❖ Streaking and spread plating
- ❖ Haemoglobin tests
- ❖ PCV
- ❖ Total WBC
- ❖ Platelet count
- ❖ Blood urea test
- ❖ Uric acid test
- ❖ Liver function test

Observation, challenges and suggestions

The organisation maintains a clean and a hygienic environment in its premises. The organisation maintains a very good relationship with their clients which indirectly contributes to the growth of the organisation. All the employees in the lab work as a team for the upliftment of the organisation. All the tasks are carried out systematically by the employees so there are no complains. Apart from the fact that the work area was small, inturn hindering the free movement of the lab technicians, everything else seemed to be working fine.

Conclusion

This internship helped me to gain knowledge not only in chemistry field but also in biological field. It helped me to communicate with others. It improved my skills in performing tasks. It also helped me in learning new things and handling new electronic devices. This internship helped me to develop my skills. It helped me to gain practical skills and put the theoretical knowledge in practice.



To,
The Vice Principal,
Parvatibai Chowgule College of Arts and Science.

Date: 17/12/2018

Sub: Intership in Royal hospital

Madam,

Intership of below mentioned students is done as per your request from 7th November 2018 to 30th November 2018 (120 hours) under our guidance. They have learned all medical and nursing helping job of the hospital during their tenure. Their work in the hospital was satisfactory.

We wish them all the best in their future Career.

Names of the students:

1. Hemangi Kale
2. Pratiksha Gawas
3. Tanvi Shirodker
4. Pallavi Ghatekari
5. Tanvi Naik

Thanking you,


Vijay Teli

(D.M.L.T), Laboratory Incharge





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Internship Report

Internship Program at:

(DCI Company Pvt. Ltd.)

Date (23 May 2019–08 June 2019)

Name of Student: Neinika Princy Rebelo

Roll No: SU170290

Class: T. Y. BSc. Chemistry

Number of Hours: 120 hours.

Introduction:

I have done my internship in DCI Pharmaceutical company which is a private company and is located in Vidyanagar, Margao city. The vision of this company is to be a globally oriented, professionally maintained, socially aware and environmentally conscious organisation, committed to provide the best in quality health. DCI pharmaceutical are majorly manufacturers of chemicals, liquid injections and ophthalmics. Like other companies DCI too has many departments such as administration, packing, storage department etc. but the main departments are production and packaging department which are further divided into many other departments. The purity and hygiene preparation of the product at DCI has attracted many buyers. The DCI Pharmaceutical have been awarded a certificate of good manufacturing practice by WHO.

Objectives/expectations of the internship:

The main objectives of the internship was to learn what really happens in a pharmaceutical company and processes used for the preparation of medicines or the chemical. To learn about the things like preparation, operating some instruments, analysis, precautions taken during the preparation or packaging or during storage.

Brief overview of actual work done

- Entry of the sample test results into the computer database.
- Entry of the sample in the dockets to identify the sample prepared or to identify the raw materials.
- Entry of the plate names on the plates containing some micro organisms such as E.coli.
- Reading of the SOP's
- Filing of records.

Observation, challenges and suggestions

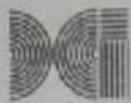
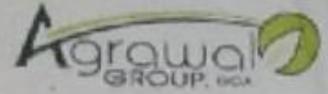
Wearing of lab coats and slippers was compulsory for all even the interns and the belongings should be kept in the lockers. While moving out of one building to the other lab coats should be removed and worn when reached inside the building so that no contamination from outside would enter. On the production department while going to different places lab slippers has to be changed and wearing of head caps and face mask

were compulsory. While using any instruments the workers had to be aware about it if there's unwanted sounds coming from it and should handle the instruments with care.

Conclusions:

I have learnt how a pharmaceutical company works and what are the processes done for the preparation of the medicines and other chemicals. They way the work is done while being in the company and how to behave when in the company, how to talk to the officials present and to work there. The precautions taken in order to get a proper result and the required precautions taken were told so to follow them and to get the results.

TIN : 30861100534
CST No. M/CST/1294
CIN No. U24231GA1975PTC000251
PAN : AAACD5966D



DCI Pharmaceuticals Pvt. Ltd.

Date: 08/06/2019.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Neinika Rebelo** has undergone training in our organization with effect from 23rd May 2019 to 08th June 2019 and has completed 120hrs.

This certificate is issued to her to submit the same to Parvatibai Chowgule College of Arts and Science (Autonomous)..

For DCI Pharmaceuticals Pvt. Ltd.

A handwritten signature in blue ink, appearing to read 'S. A. Pai Vaidya'.

Mr. S. A. Pai Vaidya
General Manager- Operations



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Internship Report

Internship Program at:

(DCI Pharmaceutical Pvt Ltd)

(23May – 8 June 2019)

Name of Student:- Lenchilia .Trisha .Fernandes

Roll No: SU170291

Class: T.Y.Bsc

Number of Hours: 120 hours

Introduction:

I have done my internship in DCI Pharmaceutical Pvt Ltd located in Vidyanagar , margao city. DCI Pharmaceutical is a private company. DCI Pharmaceutical Pvt Ltd is majorly in manufacturing of chemicals , liquid injectables , ophthalmics for past many years .DCI Pharmaceutical industry is divided into many departments like administration office , packing department, storage department, manufacturing department and utility department. The manufacturing department is further divided into two that is the Quality control department and Quality assurance department . The Quality control department is further divided into chemical and microbiological department . The vision of the company is to build a globally oriented professionally managed ,socially aware and environmentally conscious organization to provide the best in quality healthcare. Their features that is the products prepared in DCI Pharmaceutical have no side effects, effectiveness, hygiene preparation and their purity have attracted many buyers in the global market. The DCI Pharmaceuticals have been awarded a certificate of Good Manufacturing practice (GMP) by world health organization (WHO).

Objectives/expectations of the internship:

The main objective of the internship is to complete the hours and also to know what is happening in the industry and also to take up challenges and gain some knowledge and skills of how the preparation are done , their analysis and to learn many things like packaging, drug composition, procedures , storage and handling of raw and packing materials and also to know whether I have liking towards the job.

Brief overview of actual work done

1. Entry of the sample like the Docket containing items Description, Quantity , Manufacturer, supplier , Docket number , batch number , number of containers , date of Manufacture, date of expiry.
2. Read standard operating procedures (SOP's).
3. Entering records in computer like plotting a graph , entering the readings and so on.
4. Arranging the reports accordingly.
5. Writing information about the product in the register that are already approved.
6. Labelling and stamping of products .
7. Piling of files in orderly manner and placing them in the box.
8. Preparing of solutions based on different environmental condition .

9. Monitoring the sample in autoclave .

Observation, challenges and suggestions

All the workers should mandatory wear their lab coats and slippers and also should be alert and accurate during each process. While using any instrument the instrument should be clean and check whether all the connections are proper . All the employee should follow the entry and exit procedure. No employee should wear ornaments , nail polish , bindi in the production area and also no eatables should be taken in the laboratory.

Conclusions:

I have learnt what is basically happening in the company and also gained skills of how to communicate with people. I have also learnt to operate the instrument and also learnt that there are different exit and entry procedures. While analyzing the sample the employee should wear lab coats , gloves , mask and slippers .Lastly it has changed my opinion about the working of industry.



DCI Pharmaceuticals Pvt. Ltd.

Date: 08/06/2019.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Lenchilia Fernandes** has undergone training in our organization with effect from 23rd May 2019 to 08th June 2019 and has completed 120hrs.

This certificate is issued to her to submit the same to Parvatibai Chowgule College of Arts and Science (Autonomous).

For DCI Pharmaceuticals Pvt. Ltd.

Mr. S. A. Pai Vaidya
General Manager- Operations



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Internship Report

Internship Program at:

(Privi Life Science Pvt.ltd)

Date (13 may - 29 may 2019)

Name of Student: Sanjana Santosh Divkar

Roll No: SU170296

Class: T.Y. BSc

Number of Hours: 120 hours

Introduction:

I have done my internship in Privi Life Sciences Pvt Ltd. Located in Roha MIDC Maharashtra. PLSPL is a private company. PLSPL is majority in manufacturing of inorganic fertilizers, liquid as well as solid form for soil conditioning and plant growth formation. PLSPL industry is divided into many departments like administration office, packing department, storage department, manufacturing department, occupational health center, electrical department and maintenance department. Manufacturing department is further divided into two that is the quality control department (QC) and quality assurance department (QA). The vision of the company is to make revolutionary and unique brand of eco friendly, organic and natural ingredients of products for plants. Silixal is a unique potent technology delivers, world's only know form of bioactive silica. It helps to alternate abiotic stresses in the plant, temperature fluctuations, water shortage, excess rains and soil related stresses. It has been proven to also increase resistance against biotic stresses. It's unique formula enhance greater uptake of nutrients and channels utilisation for productive growth thus improving overall plant health yeild and quality of product. The PLSPL have been awarded a 'craft' certificate for manufacturing good food grade products.

Objectives/expectations of the internship:

The main objective of the internship is to complete the hours and also know what is happening in the industry and also to take up challenges and gain some knowledge and skills of how the preparation are done, their analysis and to learn many things like packing, procedure, storage and handling of raw and packing materials and also to know whether I have likeing towards the job.

Brief overview of actual work done

1. Entry of the samples like finished good products, raw material sample and also vendor sample containing its description, quality supplier, manufacturer, batch number, date of manufacture and its date of expiry.
2. Read the standard operating procedures (SOPS)
3. Sampling and analysis of these raw material and finish good products.
4. Entering record in computer, entering the reading and so on.
5. Arrange the report accordingly.
6. Writing the information about the product in the register and give its approval.
7. Labelling on approved product or raw material.
8. Prepare analytical testing report of finished good and raw material.
9. Prepare (COA) certificate of analysis of raw material and finished good product.
10. Pilling of files in orderly manner and placing them in shelf.
11. Preparing of standard solutions based on different environmental conditions.

Observation, challenges and suggestions

All the workers should mandatory wear their lab coats and shoes and also be alert and accurate during each process taking place. while using any instruments check whether all the connections are proper and also check if all the apparatus used must be clean and dry. When sampling the raw material or finished good product the following parameters must be checked like checking it's batch number, quantity, manufacturing date, expiry date, material condition and incoming COA then match this parameters. All the employee should follow the entry and exit procedure. No employee should wear ornaments, nail polish, bindi in the production area and also no eatables should be taken into laboratory.

Conclusions:

I have learnt what is basically happening in the company and also gained skills on how to communicate with people. I have also learnt to operate the instruments and also learnt that there are different exit and entry procedures. I have also learnt how to prepare standard solutions of its standardisation. While analysing the sample the employee should wear lab coats, gloves, goggles, masks and slippers. Lastly it has changed my opinion about the working in the industry.



Industrial Training Certificate

Ref. No: PLPL/ HR / 01 / 2019

Date: 29.05.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. Sanjana Santosh Divkar, a student of B.Sc. Chemistry (Second Year) from Parvatibai Chowgule College of Arts & Science Autonomous . Borda-Goa has completed training in our organization during 13.05.2019 to 29.05.2019.

During the training period she has shown keen interest to gain knowledge.

We wish good luck for her future endeavors.

PRIVI LIFE SCIENCES PVT. LTD.


(Authorised Signatory)



PRIVI LIFE SCIENCES PVT. LTD. (formerly known as Privi Pharma Pvt. Ltd.)
Factory : Plot No. 22/1, MIDC, Dhatav, Roha , Raigad - 402 109.
Tel.: (02194) 264733/34 email: privipharma@vsnl.com, website: www.privilifesciences.com
CIN : U24239MH1990PTC057075



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Internship

Report

Internship Program at:

(DCI Pharmaceuticals Pvt. Ltd)

Date(8th-24th may 2019)

Name of Student: SALONI HARDIKAR

Roll No: SU170298

Class: TYBSC CHEMISTRY

Number of Hour:120 hours

Introduction:

DCI Pharmaceuticals Pvt. Ltd. is a well known name, engaged in offering a high quality array of Pharmaceutical Medicines in the domestic as well as global market. With its excellence in this domain and industry experience, the company has emerged as a reputed Manufacturer, Exporter and Supplier of Pharmaceutical Medicines such as Pharmaceutical Drops, and Pharmaceutical Injections. Their features like no side effect, effectiveness, hygiene preparation, and purity have attracted so many buyers in the global market. Company Comprises a team of dedicated professionals who strive hard to deliver quality content to the buyers. Moreover, the company's mission is focussed on- consistency, quality and commitment.

Objectives/expectations of the internship:

Main aim was to learn more about pharmaceutical company and put my theoretical studies into practice.

Brief overview of actual work done

In Quality control laboratory (QC)

- According to standard operating procedures I learnt to handle different instrument like UV-VISIBLE Spectrophotometer, FTIR, Karl Fischer Instrument, Stability Chamber sand also procedure and instructions needed to follow.
- Analysis of water sample was done on daily basis.
- Maintaining their log book.

In Quality assurance laboratory (QA)

- In QA packaging of ophthalmic ampoules and eye drop bottles was carried out thus enabling me to go in packing procedure.
- Numbering and, checking the registers to be used,
- Observing the stability chambers.

- Entering stability reports
- Rechecking of bottles and ampoules manufacturing and expiry date before departing it.

In micro department

- I was given an opportunity to learn about daily analysis of different sample and was allowed to do environmental monitoring of the sample.
- Collection of the exposed plates.
- Placing them under different temperatures for fixed durations to check microbial growth.
- To record data in record books
- Maintaining of log book and recording data on it.

Observation, challenges

The manufacturing unit has three manufacturing sections viz. Ampoule manufacturing section, vial manufacturing section and ophthalmic manufacturing section. Entries to these sections are restricted. All areas are accessed through air locks.

The areas are categorized in three classes viz.

The manufacturing unit has a state of the art Parenterals manufacturing department categorized in to three units

A) The Manufacturing department ophthalmic section

B) The Manufacturing department Vial section

C) The Manufacturing department Ampoule section

In micro department the testing areas had access through air locks. There were separate testing area for sterility testing and other microbiological testing.

Autoclaves were used for sterilization of glassware, media, accessories and decontamination of used media. The various instruments present in the microbiology department were Autoclave and Laminar air flow cabinet.

CHALLENGES

- At first it was difficult to understand the working, but later I was explained everything and could do the work smoothly.
- Daily analysis of different sample at particular temperature with different time intervals.
- Certain department were strict about wearing laboratory coat gloves and mask.
- It was difficult to sit with patience for whole day .
- Everything was so systematic that it was difficult to adjust in starting.

Conclusions:

- I gained a good experience in DCI Pharmaceutical Company.
- They helped me to perform experiments in their laboratory
- Also they helped me to improve my communication skills, computer skills.
- I was able to have a direct interaction with different Chemists.
- This gave me good opportunity to put my theoretical study into practical one.

TIN : 30681100534
CST No. M/CST/1284
CIN No. U24231GA1975PTC000251
PAN : AAACD5966D



DCI Pharmaceuticals Pvt. Ltd.

Date: 24/05/2019.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Saloni Hardikar** has undergone training in our organization with effect from 08th May 2019 to 24nd May 2019 and has completed 120hrs.

This certificate is issued to her to submit the same to Parvatibai Chowgule College of Arts and Science (Autonomous)..

For DCI Pharmaceuticals Pvt. Ltd.

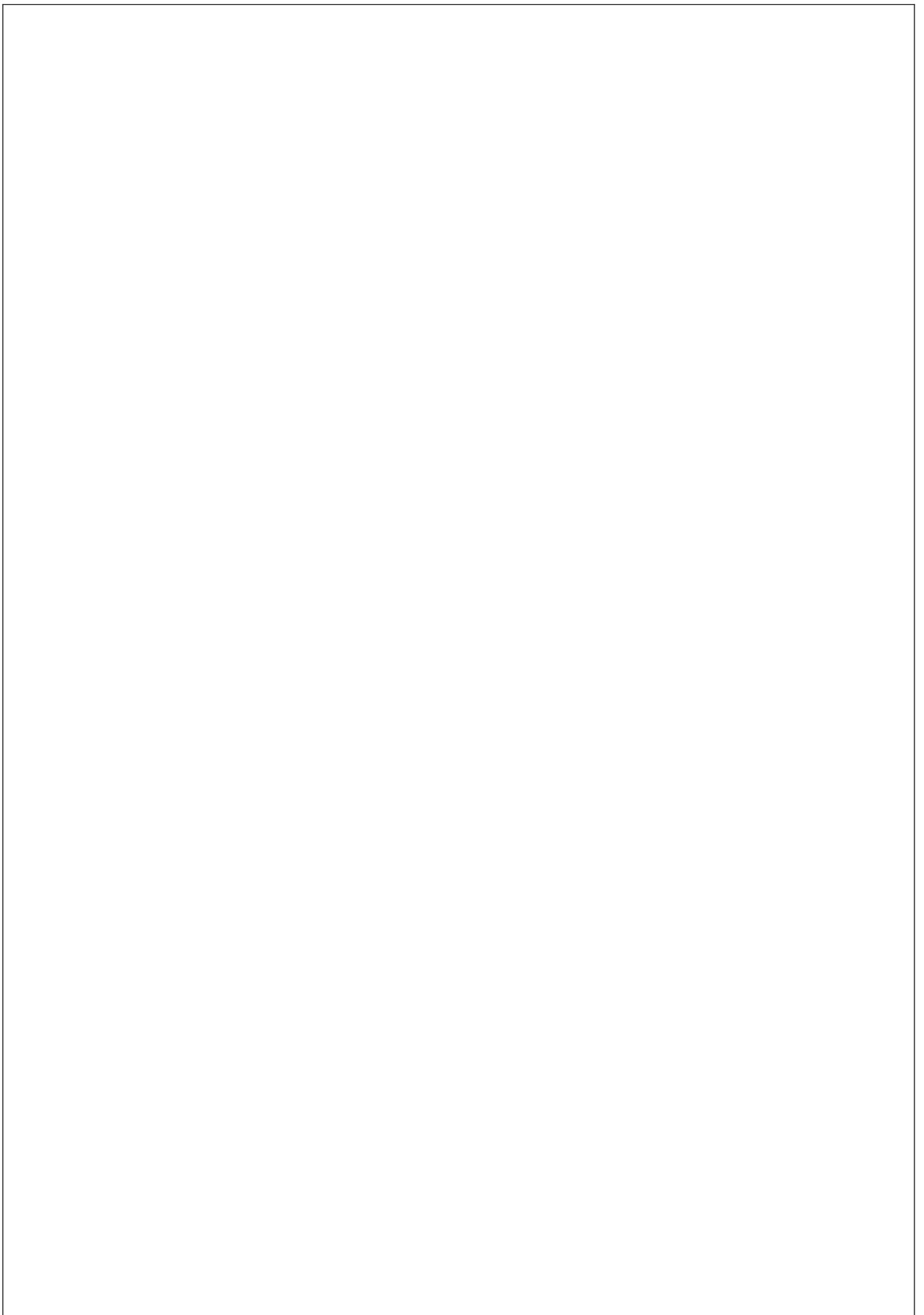
Mr. S. A. Pai Vaidya
General Manager- Operations

Regd. Office: Anand Bhavan, Old Station Road, Margao, Goa - 403601
Website: www.agrawalgroupgoa.com

Phone: 0832-2704131/32/33; Fax: 0832-2730372
Email: info@agrawalgroupgoa.com

Factory Address: Vidyannagar, Margao, Goa - 403601

Factory Phone: 0832-2750582
Email: dcid@dcipharma.co.in





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Internship Report

Internship Program at:

DCI pharmaceutical Pvt. Ltd

Date (8th may– 24th may 2019)

Name of Student: Nimmy chacko

Roll No: SU170300

Class and Subject: TYBSc chemistry

Number of Hours completed: 120

Introduction

Pharmaceuticals Pvt. Ltd. is engaged in manufacture of small volume liquid Injectables (viz. ampoules and vials), Ophthalmic & Otic Products, for the past 34 years. The manufacturing site is located at Vidyanagar, on the outskirts of Margao city in the state of Goa-India. DCI Pharmaceutical Pvt. Ltd. site has been accredited by WHO awarded Good Manufacturing Practice (GMP) Certification. Plot Area: 3000 sq. m. (60 x 50 m). DCI Pharmaceuticals Pvt. Ltd. has a state of art pharmaceutical formulation facility located at Vidhyanagar ,Margao-Goa India 403 601. Pharmaceutical manufacturing activities as licensed by the National Authority.

Objectives/expectations of the internship:

To observe and acquire skills in communication, technology , quantitative reasoning and teamwork.

Brief overview of actual work done

1. Maintaining their record books
2. Water sample analysis
3. Data entry work on the computer
4. Water sampling
5. Sterility testing

Observation, challenges and suggestions:

1. The manufacturing unit has its own Quality Control Laboratory, which is well equipped with highly sophisticated automatic instruments like HPLC, FTIR, UV -VIS Spectrophotometer, Auto Titrator, Karl Fischer instrument etc
2. It has facility for microbiological analysis and Endotoxin Testing (LAL).
3. Department analyses all the incoming raw materials, packaging materials, conducts inprocess quality control, analyses all the batches of the finished products both chemically and microbiologically, wherever applicable.
4. tests are conducted as per ICH guidelines.

5. Assurance section involved in implementation of good manufacturing and good laboratory practices.
6. other functions include inspection of sanitation processes, general cleanliness, personal hygiene, process validation, calibration of instruments/equipments and preparation of SOP / MMFM / BMR and other documentation as well as carrying out IPQC checks in production and packing operations.

Conclusions

1. The internship provided me the opportunity to develop and improve my functional skills.
2. I had the opportunity to apply my theoretical knowledge into practice.
3. It was a great experience working with them in their laboratory.

TIN : 30661100534
CST No. M/CST/1284
CIN No. U24231GA1975PTC000251
PAN : AAACD5968D



DCI Pharmaceuticals Pvt. Ltd.

Date: 24/05/2019.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Nimmy Chacko** has undergone training in our organization with effect from 08th May 2019 to 24nd May 2019 and has completed 120hrs.

This certificate is issued to her to submit the same to Parvatibai Chowgule College of Arts and Science (Autonomous)..

For DCI Pharmaceuticals Pvt. Ltd.

Mr. S. A. Pai Vaidya
General Manager- Operations

Regd. Office: Anand Bhavan, Old Station Road, Margao, Goa - 403601
Website: www.agrawalgroupgoa.com

Phone: 0832-2704131/32/33; Fax: 0832-2730372
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Internship Report

Internship Program at:

(ROYAL HOSPITAL)

Date (7TH November- 30th November 2018)

Name of Student: Tanvi N. Shet Shirodkar

Roll No: SU170302

Class: Tybsc chemistry

Number of Hours: 120

Introduction:

we conducted our internship in Royal hospital which is located off powerhouse road, Aquem, Margao Goa. Royal hospital is well maintained and pollution free hospital. Patients are treated calmly with extra care and equipment's are cleaned daily. Strict rules are followed by all the employees so there are no complains about anything. After ever test or analysis the equipment are well cleaned and there is also facility of incineration for disposal of needles. All the test reports are given within 5-6 hours of test. The pathology lab of the hospital is well maintained and reports of the patients. . It offer comprehensive menu of pathology, microbiological tests. The lab follows strict protocols set up by the hospital. They look forward to work closely with clinicians and patients to reduce the burden of diseases and promote healthy life.

Objectives/expectations of the internship

The internship was done with the objective of leaning, having a smooth and harmonious beginning with an organisation, gaining knowledge about different diseases and learning how to cure it. Developing new sets of skills, improving skills and working in different environment, opportunity to enhance and develop competences in my career field.

Brief overview of actual work done

Some of the tasks undertaken during this internship include:

- ❖ Urine test
- ❖ Blood grouping test
- ❖ Blood glucose testing
- ❖ Stool testing
- ❖ Gram staining

- ❖ HIV detection
- ❖ Blood test
- ❖ ELISA test
- ❖ Creatinine test
- ❖ Pregnancy detection
- ❖ Anaemia test
- ❖ Enzymatic test
- ❖ Media preparation: MacConkey media, agar media
- ❖ Malaria detection test
- ❖ Dengue detection test

Observation, challenges and suggestions

All the employees in the lab work as a team for the upliftment of the organisation. All the tasks are carried out systematically by the employees so there are no complains. In spite of small space everyone worked nicely.

Conclusions:

Different analysis and tests were carried out under guidance of the professionals of that lab and they taught us instrumental analysis of the blood test along with the chemical analysis also detailed information of all the tests were given. Under their guidance I performed urine and blood analysis of the samples given.



To,
The Vice Principal,
Parvatibai Chowgule College of Arts and Science.

Date: 17/12/2018

Sub: Internship in Royal hospital

Madam,

Internship of below mentioned students is done as per your request from 7th November 2018 to 30th November 2018 (120 hours) under our guidance. They have learned all medical and nursing helping job of the hospital during their tenure. Their work in the hospital was satisfactory.

We wish them all the best in their future Career.

Names of the students:

1. Hemangi Kale
2. Pratiksha Gawas
3. Tanvi Shirodker
4. Pallavi Ghatekari
5. Tanvi Naik

Thanking you,


Vijay Teli

(D.M.L.T), Laboratory Incharge





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Internship Report

Internship Program at:

(DCI Pharmaceuticals Pvt. Ltd)

Date (8th-24th May 2019)

Name of Student: Shahelin Sheikh

Roll No: SU170313

Class: TYBSC Chemistry

Number of Hour: 120 hrs

Introduction:

DCI Pharmaceuticals Private Limited is a Private incorporated on 29 December 1975. It is classified as Non-govt company and is registered at Registrar of Companies, Goa. DCI Pharmaceuticals Pvt. Ltd. is engaged in manufacture of small volume liquid Injectables (viz. ampoules and vials), Ophthalmic & Otic Products, for the past 34 years. The manufacturing site is located at Vidyanagar, on the outskirts of Margao city in the state of Goa-India.

DCI Pharmaceutical Pvt. Ltd. site has been accredited by WHO awarded Good Manufacturing Practice (GMP) Certification. DCI Pharmaceutical Pvt. Ltd. is strengthened with competent employees and sophisticated instruments & machineries.

Objectives/expectations of the internship:

The main objective was to learn about the working of a pharmaceutical company.

Brief overview of actual work done

Quality Control Laboratory Chemical Section:

- We got to learn about different instruments used, like UV-VIS Spectrophotometer, FTIR, Auto Titrator, Karl Fischer Instrument, HPLC, Stability Chambers
- Maintaining their record books.
- Water sample analysis.

Microbiology department

- Here microbiological testing is performed under laminar Air flow equipped with HEPA filters.
- We were given to do data entry work on the computer.
- Sterility testing
- control sample room, here in we learned about the different products manufactured
- On our last day we were taken to the manufacturing departments, in briefly we were explained the entire manufacturing process.

Observation,

The manufacturing unit has three manufacturing sections. Ampoule manufacturing section, manufacturing section and ophthalmic manufacturing section. Entries to these sections are restricted. All areas are accessed through air locks.

The areas are categorized in three classes.

A) Manufacturing department ophthalmic section.

a) Ophthalmic Manufacturing Area.

b) Ophthalmic Filling Area.

B) Manufacturing department Vial section

a) Corridor of Vial Section.

b) Manufacturing area of Vial section.

c) Filling area of Vial section.

C) Manufacturing department Ampoule section

a) Autoclave I (Ampoule Section)

b) Autoclave II (Ampoule Section)

c) Ampoules manufacturing Area.

d) Ampoules Washing Machine & Sterilizing Tunnel.

e) Automatic 8 head Ampoules Filling Machine.

challenges

- At first it was difficult to understand the working, but sooner I was explained everything.
- At certain areas we were told to wear lab coats which was a bit irritating at times.
- Traveling was also a major problems.

Conclusions:

- I have had so many rich experiences and opportunities
- I personally believe will forever shape and influence my professional life while fostering personal growth and development.
- It was a great experience and I will cherish it for a lifetime
-

DCI Pharmaceuticals Pvt. Ltd.

Date: 24/05/2019.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Shahelin Shaikh** has undergone training in our organization with effect from 08th May 2019 to 24nd May 2019 and has completed 120hrs.

This certificate is issued to her to submit the same to Parvatibai Chowgule College of Arts and Science (Autonomous).

For DCI Pharmaceuticals Pvt. Ltd.



Mr. S. A. Pai Vaidya
General Manager- Operations



Parvatibai Chowgule College of Arts and Science
Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale in 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award



Internship Report

Internship Program at:

FARMACIA VASSANTA

8 November – 30 November 2018

Name of Student: **RANI BHATT**

Roll No: SU170392

Class and Subject: SYBSC (CHEMISTRY)

Number of Hours completed: 120

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I. Introduction:

Farmacia Vassanta in Vasco Da Gama is one of the top Chemists in Vasco Da Gama, Goa. They Retailer of azithromycin tablets, stilnox tablets & becosule capsule including other medicines and drugs. There are usually eleven to twelve people working including the registered pharmacist.

II. Objectives/expectations of the internship

Aim of this internship is Individual development through challenging occupational coursework at a pharmacy under closed mentoring by a specialized expert which includes work experiences that go together with classroom learning.

III. Brief overview of actual work done

A. Stock rotation

As an intern First job given to me was stock rotation, which is to arrange the oldest units in inventory so they are sold before the newer units. Ensuring that they are not too close to or past their expiration date. There shelf life remaining must be sufficient for the product to be used before the expiry date. We should remember that the order in which we received the products is not necessarily the order in which they will expire. Products received most recently may expire sooner than the products received earlier. So, it is extremely important to always check the expiration dates and to make sure the dates are visible while the products are in storage.

B. Learning about arrangement and other considerations

There are different options for organizing medications like for example; by therapeutic class, in alphabetical order, and then by dosage form. At Farmacia Vassanta, drugs are separated first by therapeutic class and then in alphabetical order. For me this took some time for getting used to. Moreover, there are many drugs that must be refrigerated in order to guarantee their quality and potency over time. This can be very challenging as during the daytime temperatures can be quite warm and drugs must be transported over long distances. Cold chain items must be stored at a temperature between 2 to 8 degrees Celsius.

C. Management of expired products

At my pharmacy I used to screen the stock for expired or soon to expire medicine. Most drug companies don't want their products back but depending on how expensive it is we might get some money back when destroying them. Some companies like G.N Agencies, SUN, Pioneer Distributors, etc; will want us to send them back after expiring, but just a handful of drug companies do that.

IV. Observation, challenges and suggestions

A. Challenge 1: Unnoticed Work

It goes without saying that one does well in any field because they expect recognition. As an intern, I might be doing very good but still, I find myself in a position where my part is hardly appreciated. That can clearly be somewhat discouraging.

Suggestion: The solution to such internship challenges is to understand that hard work doesn't get unnoticed for long. It might get ignored the first time, the second time, but perseverance is the key.

B. Challenge 2: Issues with Time Management / Self-Management

It's my first job kind of experience. Reaching late was tolerated by my mentor, But in a professional workspace it isn't acceptable and hence managing time can be really difficult for me. A balance between work, academics, and personal life also seems to be a challenge.

Suggestion: This isn't something you can learn overnight. Self-management can be achieved only through habit forming and by adopting a more organized living.

C. Challenge 3 : Overwhelmed with Work

Many pharmacy hire lesser interns than required and put up the entire work load on the few. And I happen to join such firm, I felt overwhelmed to be trusted with so much work when you aren't even familiar to working in a professional setting.

Suggestion: Maybe because you are new and do not get the directions easily, you feel that the work is too much. Wait for a week or two to decide if it is so. If you think the work load is taking a toll on your performance and personal health, get in touch with your mentor/senior and talk to them about it.

V. Conclusions:

There are many common internship challenges that are faced by students doing internships in India. But if you really dig into it, they aren't that grave or unsolvable. Adjusting into a new place is always difficult, but if you are patient enough, you can overcome the challenges within no time. Participating in an internship allowed me to get a perspective on potential employment once we are done studying. It helped me by applying the concepts that we had learned in classrooms. Decisions about careers are quite perplexing, more so when one has not discovered what one really wants to do. However exposure beyond formal learning can go a long way resolving such early age dilemmas. So, with the knowledge and experience that Interns collect from their internships, individuals would be better placed to make choices about their future career

FARMACIA VASSANTA

Shop no.7, Municipal bldg., Vasco-Da-Gama, Goa

Contact no. 9890248842 Email-Id:gramonkar3@gmail.com

Letter of Commendation

Date: 1st Dec 2018

This is to certify that **Ms. RANI BHATT**, student of Parvatibai Chowgule College of Arts & Science, Margao - Goa, has successfully completed an Internship Training Programme/ Observership for 120 hours at this M/S FARMACIA VASSANTA from 08Nov 2018 to 30 Nov 2018.

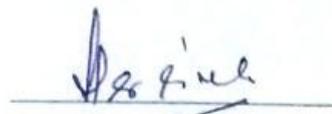
The intern carried out

1. Stock rotation (to arrange the oldest units in inventory so they are sold before the newer units)
2. Screen the stock for expired or soon to expire medicine, which are send back to drug companies.
3. Learning about arrangement and other considerations.

During this programme, she worked as a member of our team. She has fulfilled our expectations.

We wish her every success.

Form, FARMACIA VASSANTA



John Pereira

Registered pharmacist

Managed By:
M/s. G. R. AMONKAR
Farmacia Vassanta, Dispensing Chemists
Shop No.7, Municipal Bldg.,
Swantrapath, VASCO-DA-GAMA, GOA



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Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP REPORT

Internship program at
Royal hospital Margao Goa

Date :- 7th June– 30th June 2018

Name : pallavi ghatekari

Roll no – SU170416

Class – TYBSc (chemistry)

Number of hours - 120

Introduction

Royal hospital is a multispecialty hospital which extends medical care to patient in a very friendly and homely environment . It provides various facilities such as 24 hours accident and emergency (causality), Intensive care unit, newborn intensive care unit for premature babies , 24 lab and x-ray facilities , ultrasound etc. The internship was done in a pathology lab. It is well equipped lab with latest computerized machines which allows t provide report in a less time.

Objective

The main aim of the internship was to learn to perform various tests. To gain experience in working hospital, To build up self-confidence , to handle instruments wisely and also interaction with staff.

Brief overview of actual work done

These are some of the task undertaken during the internship:-

1. Complete blood cell count(CBC)
2. HIV detection
3. Widal test
4. Blood group testing (ABO and RH factor)
5. TB test
6. Urine routine and microscopy testing and observing different cells under microscope.
7. Pour plating ,culture of bacteria , gram staining and test for antibiotics sensitivity .
8. Hepatitis detection (HBS)
9. Malaria and Dengue fever testing.
10. Electrolytic testing
11. Record keeping , dispatching of reports and helping others works.
12. Bactac testing, identification of different bacteria.

Observation, challenges and suggestions

The environment of the hospital was very friendly and they maintained clean and hygiene environments in its surroundings. It provides 24 hours facilities and services to the patients. As a intern I got opportunity to observe and learn various tests performed. The lab was little congested which created difficulty while working and the pharmacy was also small. Other that everything was perfect.

Conclusions

- 1) Working as a intern was great experience which helped to gain practical and theoretical knowledge.
- 2) It helped in increasing communications skills, various ways of handling patients.
- 3) It was a great opportunity for learning, enhancing and developing skills in the field.



To,
The Vice Principal,
Parvatibai Chowgule College of Arts and Science.

Date: 17/12/2018

Sub: Intership in Royal hospital

Madam,

Intership of below mentioned students is done as per your request from 7th November 2018 to 30th November 2018 (120 hours) under our guidance. They have learned all medical and nursing helping job of the hospital during their tenure. Their work in the hospital was satisfactory.

We wish them all the best in their future Career.

Names of the students:

1. Hemangi Kale
2. Pratiksha Gawas
3. Tanvi Shirodker
4. Pallavi Ghatekari
5. Tanvi Naik

Thanking you,

Vijay Teli

(D.M.L.T), Laboratory Incharge





APEXUARA SYSTEMS PRIVATE LIMITED

S-2, Balaji Apartments, Behind Sanjay Enterprises,
Ravonfond, MARGAO - GOA - INDIA 403 601.

Ph.: 8605146384

Apexuara

Converging to Digital Solutions

Website: www.apexuara.com

E-mail Id.: sales@apexuara.com

To,
Head of Department,
Department of Computer Science
Parvatibai Chowgule College
Gogol, Margao – Goa

January 25, 2019

Sub: Internship Acceptance Letter

Sir/Madam,

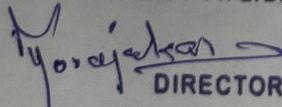
I am pleased to inform you that Mr. Amey Ramesh Gaonkar, student of MSc IT – II having roll no.: SP172210 has been offered internship at Apexuara Systems Private Limited, Ravonfond, Margao, Goa as Trainee Software Engineer.

This internship is a part of his Semester IV dissertation for the academic year 2018-19 from November 15, 2018 to March 30, 2019.

His major duties will include Design, Development, Testing and Deployment of Apexuara in-house products and will be reporting directly to Manager Sunil Morajkar.

Thanking You,

For M/S. APEXUARA SYSTEMS PVT. LTD.


DIRECTOR

Sadashiv Morajkar



Apexuara Systems Pvt. Ltd.



Dreamlogic Infossystems
4B/G-3, Model Complex,
Amaral Vaddo, Taleigao, Goa 403002
7030698988 | 7030798988 | info@dreamlogic.in

Date: 20-12-2018

PRAJYOTA RAVINDRA YEDAVI
PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE
MARGAO - GOA
INDIA

Subject: Letter of Internship Acceptance

Dear Ms. Prajyota,

We are pleased to confirm your acceptance in an internship position in our firm, **Dreamlogic Infossystems** for a period of 3 months. Please see the below specifics regarding your internship.

Internship Title: Website Developer Intern

Start date: December 20th, 2018

End date: March 31st 2018

Location for internship: Dreamlogic Infossystems, 4B/G-3, Model Complex, Amaral Vaddo, Taleigao, Goa 403002

Supervisor for internship: Chetan Borkar, Partner and Software Developer. (chetan@dreamlogic.in)

Responsibilities: Your duties include learning and implementing web technology and development process in use at the firm, as well as other duties that may be assigned to you from time to time.

Internship stipend: This is an unpaid internship

Best Wishes,

For DREAMLOGIC INFOSYSTEMS

Chetan Borkar
Partner
Dreamlogic Infossystems

PARTNER



To
The Head of Department
Computer Science
Parvatibai Chowgule College of Arts & Science
Gogal, Margao, Goa

Date: 4th December, 2018

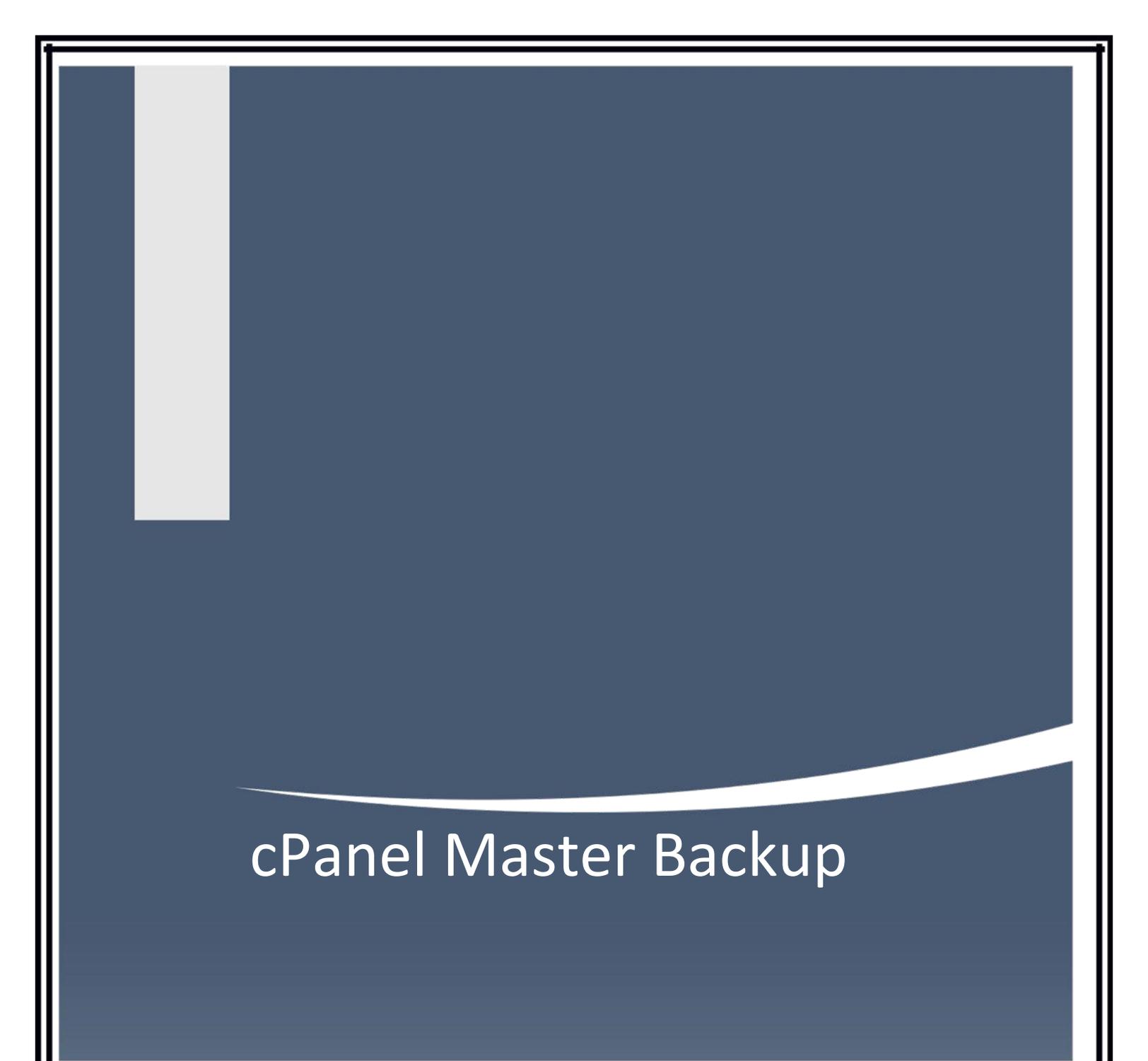
Training Acceptance Letter

Dear Sir,

We thank you for your letter regarding training. We are happy to offer training to your student **Ravina Nikam**, student of **MSC-IT, Parvatibai Chowgule College of Arts & Science** from 4th December, 2018 to 4th May, 2019.

Yours Faithfully,

Ashley Alexsius D'souza
Founder, Hexcoderz



cPanel Master Backup

TITLE PAGE

Title of the project : cPanel Master backup

Name Of The Student : Ganesh Vadcar

Programme : M.Sc.(Information Technology)

Academic Year : 2018-19

Internal Guide : Mr.Abhishek Gudekar
Assistant professor, Department
of computer science.

College : Parvatibai Chowgule College Of
Arts & Science, Margao-Goa.

DECLARATION

I hereby declare the results embedded in this project work titled “**cPanel Master backup**” has been prepared by Me and to the best of my knowledge, it has not previously formed the basis for the award of any diploma or degree or similar titles and is carried only by me during the academic year 2018-2019, in partial fulfillment of the requirement for degree in M.Sc (Information Technology) from Goa University.

RollNo

SP172201

Name Of Student

Vadcar Ganesh

Signature

Parvatibai Chowgule College of Arts and Science
Autonomous
Accredited by NAAC with Grade A' (CGPA Score 3.41 on a 4 Point Scale 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award

CERTIFICATE

This is to certify that the project titled “**cPanel Master Backup**” has been carried out by **Ganesh Vadcar** in partial fulfillment of requirements for the **Master of Science in Information Technology Programme of Goa University**.

Mr. Abhishek Gudekar

(Internal Guide)

Assistant Professor,

Department of Computer Science

Mrs. Suchitra Bhat

(Head of the Department)

Department Of Computer Science

External Examiner

Place: Margao-Goa

Date: / /2019

ACKNOWLEDGMENT

Nothing is achievable without hard work and perseverance. An internship is an amazing opportunity for learning and self-development. I would like to extend my gratitude to the many that have rendered support towards us to complete this project.

My overall experience of project has been fruitful and I hope to continue to do such projects as these would help me to enhance my skills and give me the confidence to learn new things.

I would like to give thanks firstly Mr. **Agraj Agranayak** founder & CEO at **Imagine Works** and **Ms. Shivani Nadkarni** Web Developer at **Imagine Works** for giving me the opportunity to do this project and for all the support and encouragement provided to me during this internship.

I am thankful of our project guide **Mr. Abhishek Dattaram Gudekar** assistant professor, Department of Computer Science under whose guidance this project has been done. I am wholeheartedly thankful to him for giving me his valuable time and attention and for providing me a systematic way for completing the project in time.

I would also like to express my gratitude to our Head Of Department **Mrs.Suchitra Bhat** for making the facilities available in the college.

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INTRODUCTION

cPanel Master Backup is a cli based executable **PHP** program which helps in generating “Full cPanel Backup” of Multiple Hosted websites on cPanel Hosting Platform. The Backup file generated extends .gz file extension. The Backup File is generated on the machine where the php script is executed. The Backup File can be stored either in the Home Directory of cPanel File Manager, Remote FTP server or Download at the executable machine

cPanel: cPanel is an online Linux-based web hosting control panel that provides a graphical interface and automation tools designed to simplify the process of hosting a web site to the website owner or the "end user". cPanel utilizes a three-tier structure that provides capabilities for administrators, resellers, and end-user website owners to control the various aspects of website and server administration through a standard web browser. While cPanel is limited to managing a single website, the server administration panel of which cPanel is a part is known as WHM, short for WebHost Manager.

In addition to the GUI, cPanel also has command line and API-based access that allows third-party software vendors, web hosting organizations, and developers to automate standard system administration processes.

Full Backup - Full Backup creates a zipped copy of your entire website and cPanel account. It includes all the files you own or you have access to. It also includes all the databases, email accounts, email lists, subdomain, etc.

Full Backups cannot be restored through cPanel interface. It is only used when you are transferring your current host to the new host. You need to upload this zipped backup into your home directory and ask your hosting provider to restore it.

Working with File Manager

Creating a File

To create a new File, navigate to the directory, where the file needs to be created and then click New File from the Dashboard. A prompt opens and asks you the file name. Enter it accordingly with the extension of file and Path, where the file will be created. Finally, click Create New File and a new file will be created.

Creating a Folder

To create a new Folder or Directory, navigate to the directory in which you want to create the folder. Click on New Folder from the Dashboard. A Prompt will be opened to ask you name of your New Folder. Enter your desired Folder name and Click Create New Folder. Your new folder will be created.

Copying

You can copy a single file or folder or even multiple files or folders. To copy a single file or folder select what you want to copy with a single mouse click over the it and Click Copy. You will be asked the file path where you wish to copy the file or folder to, enter the Path accordingly and click Copy File(s).

To copy multiple files or folders, single click on the desired files or folders by holding down the ctrl key to select multiple files or folder and then click on copy. Enter the desired location and Click to Copy File(s) button to copy multiple files.

Moving

You can move a single file or folder or multiple ones. To move a single file or folder, select the one that you want to move with a single mouse click over it and Click on Move. You will be asked the file path where you wish to move the file or folder to, enter the Path accordingly and click on Move File(s).

To move multiple files or folders, single click on the desired files or folders by holding down the ctrl key to select multiple files or folder and then click on move. Enter the desired location and Click to Move File(s) button to move multiple files.

Uploading a File

To upload a file from the cPanel File Manager Interface, navigate to the directory in which you wish to upload and then, click Upload. You will find the interface shown below.

File Upload

You can Drag and Drop the file to upload or you can select the file from Select File button. If you want the File Manager to automatically overwrite the files with same name, you can select – Overwrite existing files checkbox.

Downloading a File

To download a file from the cPanel File Manager, you can select the single file or multiple files with single click on file name, and click over Download to download the files.

Deleting a File or Folder

To delete Single or Multiple file or folder just select the files with single mouse click and click on Delete button. You will get a prompt for sending the files into Trash, if you want to permanently delete the files then select Skip the Trash checkbox. If the check box is not selected, files are moved to Trash Folder from where you can recover them later.

Renaming a File or Folder

To rename a File or Folder, select the file or folder with a single mouse click and Click on rename. You will get a prompt to enter new file or folder name. Enter file or folder name accordingly and click on Rename File button to save. You can also double click on Name of any File or Folder to rename the file.

Text Editor

To edit any text file with simple text editor, select the file and click on Edit button. You will get a prompt with Encoding check if enabled, then click on **Edit in** prompt to edit the file. Text editor will open in a new tab, where you can edit the file. You can also switch to Code editor from here. When you have finished editing, click Save to save the File.

Code Editor

Code editor makes it easy to edit those files, which contains code in them. It differentiates color between codes, which makes it easy to edit those files.

Extracting a File

To extract a File which are compressed, select the file you wish to extract and click on Extract Button. You will get a prompt to enter the path where you wish to extract the files, if you enter a path which is not existing, cPanel File Manager will create the directory and extract the file in it.

Note – cPanel File Manager can only extract files which are in Zip, GZip and BZip2 type of compression.

Compressing a File or Folder

To compress a folder or a single or multiple files, select the files and click on Compress. You will get a prompt, select the compression method where you can choose from Zip, Gzip or Bzip2. It will ask you to enter the file name, enter file name accordingly and click Compress File(s). After compression, the result will be shown to you.

Viewing a File

This option helps you to view the content of known file types within cPanel Interface. Select the file you wish to view and click on View. It will open a new tab and the content of file will be shown to you.

HISTORY

cPanel Master Backup

cPanel, L.L.C. is a privately owned corporation headquartered in Houston, Texas. The software was originally designed as the control panel for Speed Hosting, a now-defunct web hosting company. The original author of cPanel, John Nick Koston, had a stake in Speed Hosting. Webking quickly began using cPanel after their merger with Speed Hosting. The new company moved their servers to Virtual Development Inc. (VDI), a now-defunct hosting facility. Following an agreement between Koston and VDI, cPanel was only available to customers hosted directly at VDI. At the time there was little competition in the control panel market, with the main choices being VDI and Alabanza.

Eventually, due to Koston leaving for college, William Jensen and John Koston, signed a Split Agreement. cPanel split into a separate program called WebPanel; this version was run by VDI. Without the lead programmer, VDI was not able to continue any work on cPanel and eventually stopped supporting it completely. Koston kept working on cPanel while also working at BurstNET. Eventually, Nick left BurstNET on good terms to focus fully on cPanel. cPanel has since been updated and improved over the years.

cPanel 3 was released in 1999: main additions over cPanel 2 were an automatic upgrade and the Web Host Manager (WHM). The interface was also improved when Carlos Rego of WizardsHosting made what became the default theme of cPanel.

FEATURES

cPanel Master Backup

cPanel Master Backup: It is a cli based executable **PHP** program which helps in generating “Full cPanel Backup” of Multiple Hosted websites on cPanel Hosting Platform. The Backup file generated extends .gz file extension . The Backup File will be available on the machine where the php script is executed. The Backup File is generated either in the “Home Directory of cPanel File Manager, Remote FTP server or Download at the executable machine

Simplicity: Configure the hosted websites for the first time and run the scripts anytime you need.

Portability: Backup file created is easily movable/ transferable.

Quick Response Time: The Backup file takes less than a minute to generate on the server

User Notification: on generating the backup e-mail is sent to the user about the directory of file generated, File Name and date and time.

REQUIREMENT ANALYSIS

Software Requirement Specification

Purpose

The need for this software was due to difficulty to take Backup of multiple cPanel accounts. This issue was addressed and concrete steps have been taken up to find solution for it. The **cPanel Master Backup** is a software that is able to take Backups of multiple cPanel accounts

Scope

- log in multiple account
- generates Zip File of each cPanel account
- stores at Home Directory/Remote FTP/Downloadable
- access backup file to move/copy to a new desired location(Portability)

Technologies used

PHP

PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML. PHP scripts are executed on the server. It is free to download and use.

cPanel XML-API

This API helps to interact with cPanel Backened for Development purposes.

Output

Execution Process:

Log in to the cPanel account individually for a single account via Terminal/cmd

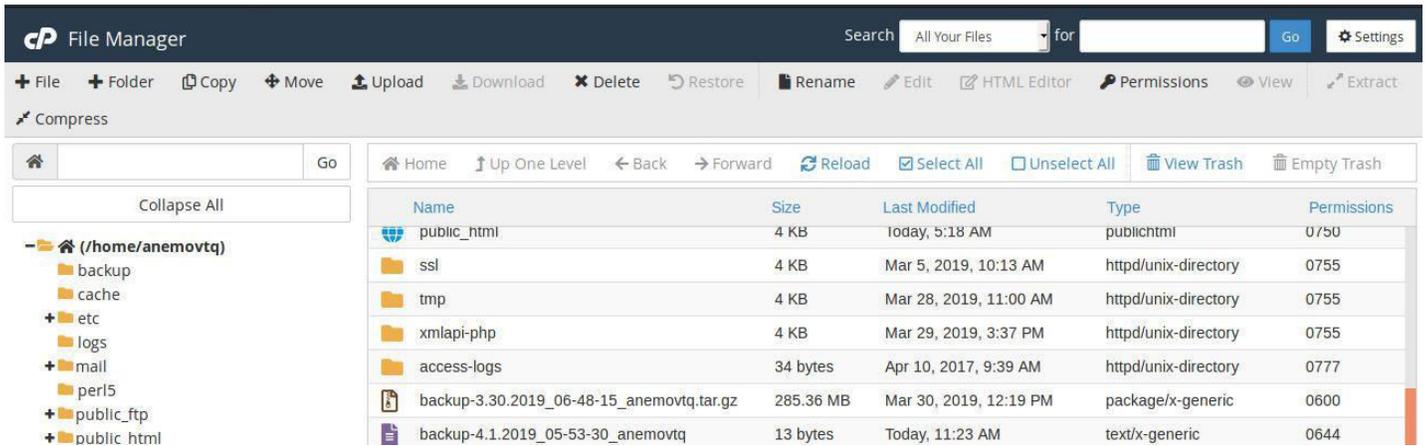
~\$ ssh username@domain_name or IP Address Password:

Execution script: `php -q /home/username/perform_cpanel_fullbackup.php`

```
ganesh@lm-ganesh:~$ ssh anemovtq@anemosenergies.comssh_exchange_identification: Connection closed by remote host
ganesh@lm-ganesh:~$ ssh anemovtq@anemosenergies.com
Password:
anemovtq@cp-in-10 [-]# php -q /home/anemovtq/perform_cpanel_fullbackup.php
Process ID: 999214
** START @ 2019-04-01-05-53-29 **
Success - Backup has STARTED. Please wait while the backup is performed and the FTP attempted (if this option was
set).
This can take a while depending on how much data is being backed-up and to where you're copying it to.
If the FTP transfer fails for whatever reason, the backup file may be left at the source server.
** FINISH **
```

cPanel Master Backup

Backup File Generated at home Directory:



The screenshot shows the cPanel File Manager interface. The top navigation bar includes a search box and various action buttons like File, Folder, Copy, Move, Upload, Download, Delete, Restore, Rename, Edit, HTML Editor, Permissions, View, and Extract. The main content area displays a directory listing for the home directory (/home/anemovtq). The listing includes folders like backup, cache, etc, logs, mail, perl5, public_ftp, and public_html, as well as files like public_html, ssl, tmp, xmlapi-php, access-logs, and two backup files: backup-3.30.2019_06-48-15_anemovtq.tar.gz (285.36 MB) and backup-4.1.2019_05-53-30_anemovtq (13 bytes).

Name	Size	Last Modified	Type	Permissions
public_html	4 KB	today, 5:18 AM	publichtml	0750
ssl	4 KB	Mar 5, 2019, 10:13 AM	httpd/unix-directory	0755
tmp	4 KB	Mar 28, 2019, 11:00 AM	httpd/unix-directory	0755
xmlapi-php	4 KB	Mar 29, 2019, 3:37 PM	httpd/unix-directory	0755
access-logs	34 bytes	Apr 10, 2017, 9:39 AM	httpd/unix-directory	0777
backup-3.30.2019_06-48-15_anemovtq.tar.gz	285.36 MB	Mar 30, 2019, 12:19 PM	package/x-generic	0600
backup-4.1.2019_05-53-30_anemovtq	13 bytes	Today, 11:23 AM	text/x-generic	0644

Backup File: “**backup-3.30.2019_06-48-15_anemovtq.tar.gz**”

cPanel Master Backup

Backup file Generated at Remote FTP Server

Status: TLS connection established.
Status: Logged in
Status: Retrieving directory listing...
Status: Directory listing of "/imworks2" successful
Status: Retrieving directory listing of "/imworks2/backup"...
Status: Directory listing of "/imworks2/backup" successful

Local site: /home/ganesh/Downloads/SCIFII Gallery 2019/

- SCIFII Gallery 2019
- cPanel-Auto-Backup-master
- cpanel-Fullbackup-master
- downloads
- ganesh

Remote site: /imworks2/backup

- Models
- Scripts
- Updater
- Views
- backup

Filename ^	Filesize	Filetype	Last modified
..			
DAY 1		Directory	01/23/19 15:07...
DAY 2		Directory	01/21/19 14:51...
DAY 4		Directory	01/21/19 16:20...
Day 3		Directory	01/23/19 11:15...

4 directories

Filename ^	Filesize	Filetype	Last modified	Permissio
..				
backup-4.1.2019_07-06-42_...	299.1 MB	gz-file	04/01/19 12:41:00	

1 file. Total size: 299.1 MB

Queue: empty

Backup File: “**backup-4.1.2019_07-06-42_...**”

OVERALL INTERFACE

Software Interface

Backend	PHP
Operating System	Linux Ubuntu/Windows7 x64
Console	Terminal/CMD

Hardware Interface (Minimum Requirement)

Processor	Intel Celeron/
Installed RAM	2GB
System type	64bit

CONCLUSION

cPanel Master Backup avoids the hassle of login into every account manually to generate the backup. With this program, we can easily generate backups of all the cPanel accounts on a single execution of php file. A simple and easy way to configure the account for the first time use, the backup compressed file can be accessed later to transfer or retrieve the data. Saves huge amount of time and reduces manual processes.

FUTURE ENHANCEMENT

- Pushing the Backup file to the GitHub Repository.
- Handling very large backup files without any interruption.
- Access the link of Github repository via e-mail notification.
- Create a dashboard to manage periodic backup.

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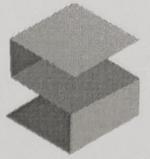
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SARATECH



Panjim, Goa-403001

Mr. Zane Christain Vaz

Roll No: **SP172205**

Sub: **Letter of Internship Acceptance**

Dear Mr. Vaz,

We are pleased to inform that you have been selected for the internship program with Saratech for a period of 6 months as part of Semester VI duties of your organization. During this period, you will be provided with stipend as evaluated by your performance starting from INR 3000/-.

As we welcome you to Saratech we request you to adhere to and follow the guidelines of the company during your internship period.

Have a wonderful learning experience.

Warm Regards,

Abhishek Kumar

CEO- Saratech

SARATECH

www.saratech.co.in

E-mail- contact@saratech.co.in || Abhishek Kumar- abhishek@saratech.co.in

SARATECH



Panjim, Goa-403001

Ms. Sumya Bi Sayed

Roll No: **SP172216**

Sub: **Letter of Internship Acceptance**

Dear Ms. Sayed,

We are pleased to inform that you have been selected for the internship program with Saratech for a period of 6 months as part of Semester VI duties of your organization. During this period, you will be provided with stipend as evaluated by your performance starting from INR 3000/-.

As we welcome you to Saratech we request you to adhere to and follow the guidelines of the company during your internship period.

Have a wonderful learning experience.

Warm Regards,

Abhishek Kumar

CEO- Saratech

Agency.in

November 13, 2018

ADDRESS

1st Flr, Vistar Estates,
Panjim Community
Center,
Opp 4 Pillars,
Panjim,
Goa - 403 001, India.

EMAIL

talktous@agency.in

PHONE

9975931402

WEBSITE

www.agency.in

DIGITAL DWARVES PRIVATE LIMITED

Regd Office: 56/B,
La Oceana Colony,
Donapaula,
Goa - 403004, India.

Dear Rhugveda

We are thrilled to invite you to join our team at Agency.in! We would like to have you join us on Monday, 26th November, 2018.

Upon joining, your role will be that of a Trainee. Your employment with us is subject to following terms:

- You will be join our team as a trainee and will be placed on a training period for a maximum of 6 months.
- During the training period, you will be paid an allowance for Accommodation, Food & Conveyance amounting to Rs.7,500/- (Rupees Seven Thousand Five Hundred Only) per month.

Subject to your performance during the training period, we will offer you permanent employment as a Software Developer.

- Your annual CTC will be revised to **Rs.2,76,000/- p.a.** (Rupees Two Lakh Seventy Six Thousand Per Annum) which will be paid as monthly and annual component.
- Your monthly gross salary will be Rs.18,000/-p.m. The annual component (Fixed) will be Rs.60,000/- which will be paid on completion of a year with us.
- Taxation will be as per prevailing slab.

We discourage taking leaves during the training period. The notice period is 22 working days during the training period, and 44 working days as a permanent employee.

Please confirm your acceptance on email latest by November 16th, 2018. A detailed letter of appointment will be issued upon joining.

We hope that your professional association with us is a rewarding and fulfilling experience.

For **DIGITAL DWARVES PVT LTD.**

Avanti Hiremath
Director

We are a **Goa (India)** based digital technology studio, working on UI / UX, Mobile Applications, Web Design, Web Applications and Marketing Communication.



NUMADIC IOT PVT. LTD.

CIN: U72200GA2016FTC007831

Regd Off: 768 Sonarbhat, Saligao, Bardez, Goa, 403511

Ref No: NU-HR-00065

INTERNSHIP OFFER

Date 4th December 2018
Name Shreyog Nemlekar
Address HNo. 304/A , Salvador-Do-Mundo, Porvorim-Goa

We are pleased to offer you the position of **Developer - Intern** at Numadic IOT Pvt Ltd (henceforth, Numadic).

1. Proposed Period of Internship

4th December 2018 - 30th April 2019

2. Reporting to

1. Haston Silva - Developer
2. Sedrick Pires - Developer

3. Monthly Stipend

Monthly Stipend: Rs. 8,000/-
(Rs. Eight Thousand Only)

4. Place of Posting

Goa

You may be required to work at any place within India or abroad.

5. Hours of Work

Working hours: 9:30 AM to 6:30 PM



NUMADIC IOT PVT. LTD.

CIN: U72200GA2016FTC007831

Regd Off: 768 Sonarbhat, Sallgao, Bardez, Goa, 403511

Ref No: NU-HR-00064

INTERNSHIP OFFER

Date 4th December 2018
Name Rocky D'Mello
Address H.No: 797 , Zuari Fursa Waddo, Goa-Velha, Tiswadi North-Goa 403108

We are pleased to offer you the position of **Developer - Intern** at Numadic IOT Pvt Ltd (henceforth, Numadic).

1. Proposed Period of Internship

4th December 2018 - 30th April 2019

2. Reporting to

1. Haston Silva - Developer
2. Sedrick Pires - Developer

3. Monthly Stipend

Monthly Stipend: Rs. 8,000/-
(Rs. Eight Thousand Only)

4. Place of Posting

Goa

You may be required to work at any place within India or abroad.

5. Hours of Work

Working hours: 9:30 AM to 6:30 PM

Internship Letter from Employer/ Letter of Commendation

[Company Logo / Letter Head]

Letter of Commendation

Ref:

Date: 12/10/19

This is to certify that Mr./Ms. Sourav . Kolambkar, student of Parvatibai Chowgule College of Arts & Science, Margao - Goa, has successfully completed an Internship Training Programme/ Observership for 120 hours at this

M/S OIT OEV GELL from 1-06, 2019 to 30-08 2019.

The intern carried out (specify jobs assigned to her/him)

1. web designing
2.
3.
4.
5.

During this programme, he/she worked as a member of our team. He/she has fulfilled our expectations.

We wish him/her every success.

For, _____ (Name of the Company)

12/10/19

Authorized Signatory

OIT Head

Designation

Anre's Enclave Guest House

Letter of Recommendation

DATE: 10th October 2019

This is to certify that Mr. Bryson Sohail Cardozo student of Parvatibai Chowgule College of Arts & Science, Margao – Goa, has successfully completed an internship training for 120 hours over a period of 2 months at Anre's Enclave Guest House as a Front Desk Services from 1st November 2018 to 3rd January 2019.

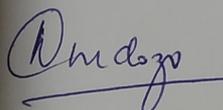
The intern carried out:

1. Booking system of the guest house.
2. Managing account details.
3. Maintaining backup of data and records.
4. Receiving and handling guest calls.

During this period, he has been found to be very punctual and hardworking and have met to our expectation and satisfaction.

Sincerely,

Anre's Enclave Guest House


(Regina Cardozo)

Anre's Enclave
Opp. HATHI MAHAL,
CAVELOSSIM - MOBOR,
SALCETE-GOIA
Ph: 2871558

Contact: 9860412170

Anre's Enclave Guest House



Student Job Training Performance

Name of the Student: **Sairaj Lotlikar**

Name of Organisation: **Digicom Computer Education**

Address: **Off, 2,3&4, 1st, 2nd & 3rd floor Durga appts, Near icici Bank Margao Goa.**

Nature of business: **Institution**

Name and Designation of Respondent: **Frazier Pereira (Training Incharge)**

Date: **11/12/2018**

Nature of job allotted to student: **Teaching & Data Entry**

Date of commencement: **01/11/2018**

Date of completion: **30/11/2018**

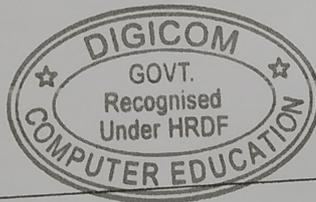
Daily Reporting time: **9 :00 am**

Hours worked per day: **8 hrs**

Paid Stipend to student? Yes No. if yes Specify total amount paid

This is to certify that **Sairaj Lotlikar** Completed **1 Month** Training at **Digicom Computer Education Margao branch** from **01/11/2018** to **30/11/2018**

Training Incharge



11/12/2018

Date

CORPORATE OFFICE

MARGAO : 1st, 2nd & 3rd Floor, Office No. 2, 3 & 4
Apt. Next to Vision Hotel Pump
ICICI Bank, Luis Miranda Road, Margao Goa.

2702078 / 2702079
digicomgoa7@gmail.com / info@digicomgoa.com
www.digicomgoa.com
Cell : +91 9158019190

SHOT ON REDMI Y3
AI DUAL CAMERA

Antonio Gracias
Solutions With Music
Murmuti
Margao
Goa 403601

Date: 14 September 2018

Sub: Completion of Internship

Respected Sir/ Madam,

This is to confirm that **Mr. Alexander Roque Rodrigues** bearing roll number **SU170331** from the Department of Computer Science of Chowgule College, has successfully completed the tasks handed down to him for his internship which was initiated on 14 June 2018 and has expired on 14 September 2018.

We assigned him with the task of developing a website for us and he has been very proficient in his internship duties apart from delivering a highly presentable and well-structured website. The said intern has very good communicative and abilities and can visualize any end product with ease.

Thanking You,
Yours Sincerely,

Antonio S.F. Gracias

Antonio SF Gracias



Student Job Training Performance

Name of the Student: **DINAAZ RISHA SHAIKH**

Name of Organisation: **Digicom Computer Education**

Address: **Off, 2,3&4, 1st, 2nd & 3rd floor Durga appts, Near icici Bank Margao Goa.**

Nature of business: **Institution**

Name and Designation of Respondent: **Elita oliveira (Trainee Incharge)**

Date: **20/11/2019**

Nature of job allotted to student: **Data Entry & Teaching**

Date of commencement: **20/5/19** Date of completion: **15/06/2019**

Daily Reporting time: **8:00 am** Hours worked per day: **8hrs**

Paid Stipend to student? yes No. if yes Specify total amount paid

This is to certify that **Dinaaz Risha Shaikh** Completed **180 Hrs** Training at **Digicom Computer Education Margao** branch from **20/05/2019** to **15/06/2019**

Trainee Incharge

Branch Manager

20/11/2019

Date



CORPORATE OFFICE

MARGAO: 3rd Floor, Office No 4,
Durga Apts., Next to Virginkar Petro. Pump,
Near ICICI Bank, Luis Miranda Margao - Goa.

☎ 2702078 / 2702079
✉ digicomgoa7@gmail.com / info@digicomgoa.com
🌐 www.digicomgoa.com
📞 Cell : +91 9158019190



BRANCHES: Curchorem / Canacona / Panaji / Vasco / Margao

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DANLAW ELECTRONICS ASSEMBLY LIMITED
(Formerly known as Titan TimeProducts Limited)

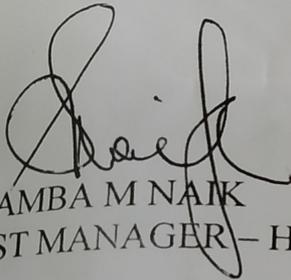
Date: 31st May 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Maurishca Alemao, student of Parvatibai Chowgule College of Arts & Science, Margao - Goa, has successfully completed her Internship for 120 hours from 10th May 2019 to 31st May 2019.

We wish her all the best and success in her future endeavours.

For **DANLAW ELECTRONICS ASSEMBLY LIMITED**



SHAMBA M NAIK
ASST MANAGER - HR & ADMIN

SHOT ON REDMI Y3

AI DUAL CAMERA

SPINTLY SMART ACCESS

Eswari Daipule

2018-2019

Title of Project: SPINTLY SMART ACCESS

Name of student: Eswari Daipule

Programme: M.Sc.(Information Technology)

Academic Year: 2018-2019

Internal Guide: Mrs. Sanas Shaikh
Assistant Professor, Department of
Computer Science.

College: Parvatibai Chowgule College of
Arts and Science Autonomous.



**PARVATIBAI CHOWGULE COLLEGE OF
ARTS AND SCIENCE
AUTONOMOUS**

**Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale in 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award**

Declaration

I hereby declare the results embedded in this project work titled “**SPINTLY Smart Access**” has been prepared by me and to the best of my knowledge; it has not previously formed the basis for the award of any diploma or degree or similar titles and is carried only by me during the academic year 2018-2019, in partial fulfillment of the requirement for degree in M.Sc(Information Technology) from Goa University.

Roll No.	Name of the students	Signature
SP172217	Eswari Daipule	

SPINTLY Smart Access



Parvatibai Chowgule College of Arts and Science Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale in 3rd cycle)
Best affiliated College-Goa University Silver Jubilee Year Award

CERTIFICATE

This is to certify that the project titled “SPINTLY Smart Access” has been carried out by **Eswari Daipule** in partial fulfillment of requirements for the **Master of Science in Information Technology programme of Goa University.**

Mrs. Sanas Shaikh

(Internal Guide)

Assistant Professor,
Department of Computer
Science.

Mrs. Suchitra Bhat

(Head of Department)

Department of Computer Science

External Examiner

Place: Margao-Goa

Date: / /2019

ACKNOWLEDGMENT

Nothing is achievable without hard work and perseverance. An internship is an amazing opportunity for learning and self-development. I would like to extend my gratitude to the many that have rendered support towards me to complete this project.

My overall experience of project has been fruitful and I hope to Continue to do such projects as this would help me to enhance my skills and give me the confidence to learn new things.

I would like to thank firstly Mr. Malcolm D'Souza founder & CTO at Mrinq Technologies for giving me the opportunity to do this project and for all the support and encouragement provided to me during this internship.

I am thankful of my project guide Mrs. Sanas Shaikh assistant professor, Department of Computer Science under whose guidance that I am doing this project.

I would also like express my gratitude to our Head of Department Mrs. Suchitra Bhat and personal relation manager Mr. Vasant Hegde for making the facilities available in the college

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UNIT 1

INTRODUCTION

ABOUT THE COMPANY

Mrinq Technologies is a start-up established in 2017. Its a product development and IoT solutions company which is focused on solving problems in the Industrial, Technology and Infrastructure space. Mrinq has developed its own innovative products and solutions to create it a market niche for itself.

Mrinq Technologies is specialized in IOT Product Development, Hardware Design, Prototyping Services, Staffing Solutions.

ABOUT THE PROJECT

SPINTLY Smart Access is a Smart next generation Mobile based access control system which converts your smart phone into an access control device.

SPINTLY Smart Access control system which allows easy and secure entry to your modern workplace area. It allows you to unleash the power of your smartphone by converting it into a smart access card. Spintly-Smart Access is very easy to install, adopt and use.

It Products Features are:

- Proximity based access
- Easy to install and easy to use
- No Internet required for access
- Multiple layers of security
- Works with various locking systems
- Works with the App in background

Its Application are:

- Smart Office Access control
- Building access management
- Home Access management
- Co-working space access control

It can be Integrated:

- Imports existing user data from various platforms
- Can export attendance data to third party applications

SPINTLY Smart Access- Access Management is a Multi tenanted API based System. It uses cloud to distribute the software model as a service to multiple tenants(customers). It provides the customers with the ability to subscribe functionality provided by the software application as per their needs, also focusing on role management thereby improving the security of the application.

It enables the organization and the HR to handle everyday access management with ease by occupying users details, visitor management, access management, attendance allocation functionality provided by the application

Functionality over the cloud made it easier to serve multiple organisation with the flexibility to subscribe only to services needed as well as it increased the challenges to be faced on the key factors of security and performance.

The project is built using angular 7 for front-end and node.js for backend.

FEATURES OF PROJECT

SPINTLY Smart Access- Access Management Application is a Multi-tenanted API based system deployed over the cloud. This system is a generalized which can be accessed globally depending on the functionality subscribed by organisation.

SPINTLY Smart Access – Access Management application can be accessed using unique phone number and passwords by all the registered members.

The registered members can perform tasks like:

- View Attendance Stats on the Dashboard
- View Access History Logs
- Customize Users in the Organisation
- Customize Access Barriers of the Organisation
- Customize Attendance of all users
- Customize Organisation Set Up
- Customize Visitor Management
- View Visitor History Log

The System is divided into following modules:

I. DASHBOARD

The dashboard is the default page after login wherein the user will be able to see all attendance details for the day. The user can view the User History and Visitor History. The count of Access Barrier in the Organisation, the no. of Users in the Organisation. The details of Today's Attendance – count of users on Time, count of users who are late and the number of users who are absent in the organisation.

II. ACCESS HISTORY MODULE

The access history module contains the following:

1. **Access History Log:** Allows the user to view the logs of the Organisation.
2. **Filter Access History Log:** Allows to filter the logs according to users, barriers, start date, end date and direction.

III. USER MANAGEMENT MODULE

The user management module contains the following:

1. **User List:** Allows to view the user details.
2. **User Details:** Allows to view user details along with the transaction of the user.
3. **Search:** Allows to search users according to Name
4. **Filter Users:** Allow user to filter users according to role
5. **Add User:** Allows user to add a new user.

IV. ACCESS MANAGEMENT MODULE

The Access management module contains the following:

1. **Access Barrier List:** Allows to view the barrier in the organisation.
2. **Search Barrier:** Allows to search barrier according to Name or Location
3. **Add Barrier:** Allows to add a new Barrier from the Organisation.
4. **New Users for Barrier:** Allows to select users which are not assigned to the Barrier
5. **User List:** Allows to view users assigned to the barrier
6. **Update Barrier:** Allows to update existing barrier.
7. **Update Barrier with Users:** Allows to update barrier along with the users
8. **View Access Barrier Details:** Allows to view Access Barrier details, device details and the transactions.

V. ATTENDANCE MODULE

The attendance module contains the following:

1. **Daily View:** Allows user to view daily attendance of users
2. **Weekly/Monthly View:** Allows user to view weekly or monthly attendance of users
3. **Filter Attendance:** Allow users to filter attendance by On Time users, Late users, Not In users or by date.

VI. ORGANISATION SETTINGS MODULE

The Organisation settings module contains the following:

1. **General Settings:** Allows user to customize the organization details by Organization name, Email, Phone number, Location and organisation logo.
2. **Attendance Settings:** Allows user to customize organisation Attendance Timings and organisation Attendance Barrier.

VII. VISITOR MANAGEMENT MODULE

The visitor management module contains the following:

1. **Visitor List:** Allows to view the Visitor details.
2. **Search:** Allows to search according to Visitors
3. **Filter Visitor:** Allows user to filter visitors according to start and end date
4. **Add Visitor:** Allows user to add visitor details. Visitor can be visited according to the schedule.

VIII. VISITOR HISTORY LOG MODULE

The Visitor History Log module contains the following:

1. **Visitor History Log:** Allows user to view visitor history log.
2. **Filter Visitor History Log:** Allows user to filter visitor according to start date and end date.

UNIT II

SYSTEM REQUIREMENT

ANALYSIS

SYSTEM REQUIREMENT SPECIFICATION

1. Introduction

This project helps you get rid of your access control card

The outcome of the research is the software requirement specification document as done below:

1.1 Purpose

The purpose of this document is to provide a complete description of all the functions and specification of access control system to allow organisation to avail the benefits of the system by subscribing to the functionality as per their requirements.

SPINTLY Smart Access- Access Management is a Software as a Service(SaaS) Multi-tenanted API based System, it allows organisation to modify and use the system by subscribing to the services provided by the system. This expands the access to the system globally through cloud.

1.2 Scope

The above system under development will be called “**SPINTLY Smart Access**”.

- API based system
- Subscribe to the functionality of the system as per organisation needs.
- Functionality provided as a service through the cloud.
- Flexibility in subscribing and unsubscribing to services.

1.3 References

[IEEE] the applicable IEEE standards are published in “IEEE Standards Collection,”

1.4 Technologies Used

Back End

- Nodejs
- Rest APIs
- Swagger – Open API specification

Database

- Postgresql

ORM

- Sequelize

Testing Framework

- Jasmine

Tools Used

- Visual Studio Code

Version Control System

- Git

Node.js

Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine. As an asynchronous event driven JavaScript runtime, Node is designed to build scalable network applications.

Rest APIs

REST stands for Representational State Transfer. It relies on a stateless, client-server, cacheable communications protocol. REST is an architecture style for designing networked applications. The idea is to use simple HTTP to make calls between machines. REST based applications use HTTP requests. Thus, REST uses HTTP for all CRUD(create/Read/Update/Delete) operations. REST is a lightweight alternative to mechanisms like RPC(Remote Procedure Calls) and Web Services.

Swagger

Swagger allows you to describe the structure of your APIs so that machines can read them. The ability of APIs to describe their own structure is the root of all awesomeness in Swagger. By reading your API's structure, you can automatically build beautiful and interactive API documentation.

PostgreSQL

PostgreSQL is a powerful, open source object-relational database system with over 30 years of active development that has earned it a strong reputation for reliability, feature robustness, and performance.

Sequelize

Sequelize is a promise-based ORM for Node.js v4 and up. It supports the dialects PostgreSQL, MySQL, SQLite and MSSQL and features solid transaction support, relations, read replication and more.

Jasmine

Jasmine is a behavior-driven development framework for testing JavaScript code. It does not depend on any other JavaScript frameworks. It does not require a DOM. And it has a clean, obvious syntax so that you can easily write tests.

Visual Studio Code

Visual Studio Code is a source code editor developed by Microsoft for Windows, Linux and macOS. It includes support for debugging, embedded Git control, syntax highlighting, intelligent code completion, snippets, and code refactoring. It is also customizable so users can change the editor's theme, keyboard shortcuts, and preferences. It is free and open-source. It supports a number of programming languages.

Git

Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

Git is easy to learn and has a tiny footprint with lightning fast performance. It outclasses SCM tools like Subversion, CVS, Perforce, and ClearCase with features like cheap local branching, convenient staging areas, and multiple workflows.

PROJECT DETAILS

OVERALL WORKING OF THE PROJECT

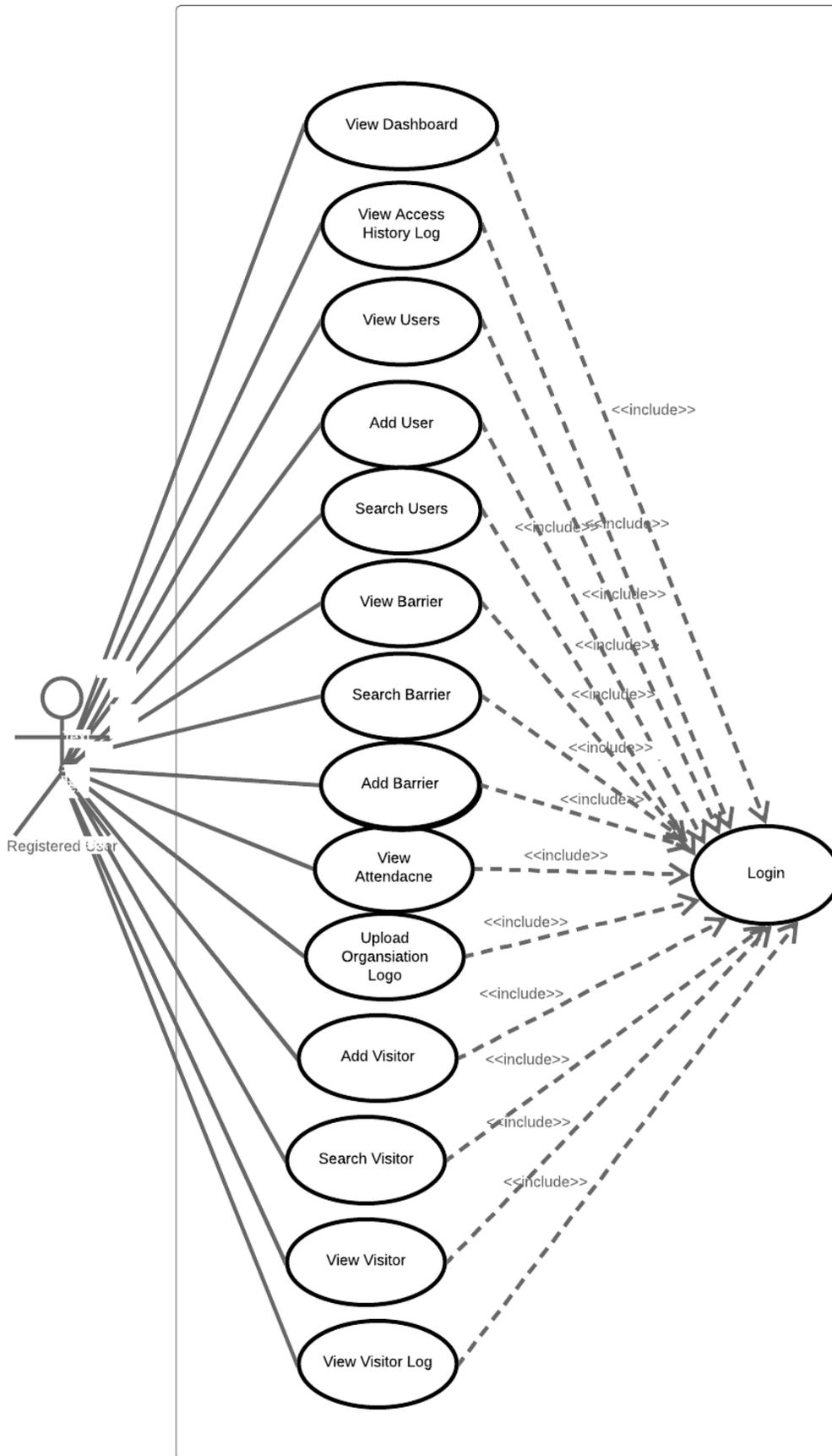
1.1 Product perspective

SPINTLY Smart Access is a Multi tenanted API based System. It uses cloud to distribute the software model as a service to multiple tenants(customers). It provides the customers with the ability to subscribe functionality provided by the software application as per their needs. The application is built using nodejs

1.2 Constraints

- The organisation should have subscription to the service to be used.
- The user should be a registered user of the site.
- The user should have internet connection to access the application.

USE CASE DIAGRAM



USE CASE DESCRIPTION

USE CASE DESCRIPTION

Use Case 1: Login

Primary User: Registered User

Stakeholders and interest:

Registered User: wants a user friendly environment and apparent steps for the login procedure.

Pre Condition: The login page is displayed.

Post Condition: The user is successfully logged in.

Main Scenario:

1. User enters the phone number and password and submits the form.
2. System verifies whether the user is registered, user creates a session and displays the dashboard.
3. User performs whatever he wants to do and logs out.

Alternate Flows:

- 1a.** Incomplete Form Submission: handle incomplete form.
- 2a.** Invalid phone number: handle invalid phone number.
- 2b.** Invalid Password: handle invalid password.

Use Case 2: View Dashboard data

Primary User: Admin.

Stakeholders and Interest:

Registered Member/Admin: wants a facility to view everyday attendance logs, visitor logs and the System Statistics

Pre Condition: Registered Member has logged in

Post Condition: System shows the attendance details and visitor details

Main Scenario:

1. System displays the Dashboard after login
2. Dashboard shows data such as User History, Visitor History, System Statistics and Today's Attendance.

Alternate Flow:

2a. Incorrect data: handle incorrect data on Dashboard.

2b. Record Details Failure: handle failure to record details.

Use Case 3: View Access History Log

Primary User: Registered
Member/Admin/End User

Stakeholders and Interest:

Registered Member/Admin/End User: wants a facility to view the list of Access History Log of an Organisation.

Pre Condition: The Registered Member had logged in and opened the Access History page.

Post Condition: The Access History Log page should show the list of users Accessed from the organization.

Main Scenario:

1. System displays the Access History Log once user has logged in and goes to Access History page
2. The details like Date, Time, Direction, Name, Location will be shown.

Alternate Flow:

3a. Record does not exist

1. System displays the message 'No record Found'

Use Case 4. View Users

Primary User: Registered

Member/Admin

Stakeholders and Interest:

Registered Member/Admin: wants a facility to add new user to the Organisation.

Pre Condition: The Registered Member had logged in and opened the Users page.

Post Condition: The Users page should show the new added user in the list of users in the organization.

Main Scenario:

- 1 System displays the user once user has logged in and goes to users page
- 2 The details like Name, Email, Phone, CreatedAt, Role will be shown.

Alternate Flow:

1a. Record does not exist

1. System displays the message 'No record Found'

Use Case 5: Add User

Primary user: Registered Member/Admin

Stakeholders and Interest

Registered Member/Admin: wants a facility to add a new member

Pre Condition: user has logged in and opened the users

Post Condition: New User details are saved in the database and listed in the user list.

Main Scenario:

1. System displays the “Add User” button
2. User clicks on “Add User” button
3. System provides the facility to add a new user.
4. User adds the details of the new user and clicks “Save changes”.
5. System saves the user and lists the new user in users list
6. User logs out of the system.

Alternate Flow:

- 1a. User selects “Add User” button.
1. System displays Add User form

Use Case 6: Search User

Primary User: Registered Member/Admin

Stakeholder and Interest:

Registered User/Admin: Wants a facility to search member from the users list.

Pre Condition: User has logged in, goes to Users page and search page is displayed.

Post Condition: System displays details of the member searched

Main Scenario:

1. System display the facility to search for a member.
2. User enters the name of the member and hits “Enter”
3. System displays details based on the search criteria.

Alternate Flow:

1a. Incomplete Form Submission: handle incomplete form.

2a. Record does not exist

System displays the message 'No record Found'.

Use Case 7: View Access Barrier

Primary User: Registered

Member/Admin

Stakeholders and Interest:

Registered Member/Admin: wants a facility to view the list of Access Barriers of an Organisation.

Pre Condition: The Registered Member had logged in and opened the Access barrier page.

Post Condition: The Access barrier page should show the list of Access Barrier from the organization.

Main Scenario:

1. System displays the Access barrier page once user has logged in and goes to Access barrier page

Alternate Flow:

3a. Record does not exist

1. System displays the message 'No record Found'

Use Case 8: Search Access Barrier

Primary user: Registered

User/Admin

Stakeholders and Interest:

User: wants a facility to search existing Access Barrier

Pre Condition: user had logged in and opened the Access Barrier page

Post Condition: Searches Access Barrier searched by user

Main Scenario:

1. System displays the facility to search existing access barrier
2. User and clicks on “search” button.
3. System displays the list of access barrier according to the searched item.
4. User logs out of the system.

Alternate Flow:

1a. Record does not exist

1. System displays the message ‘No record Found’.

Use Case 9: Add Access Barrier

Primary user: Registered User

Stakeholders and Interest:

User: wants a facility to add a new Access Barrier

Pre Condition: user had logged in and opened the Access Barrier page

Post Condition: New Access Barrier is listed in Access barrier list

Main Scenario:

1. System displays the facility to add new access barrier
2. User clicks on “Add” button.
3. System displays Add new access barrier form
4. User adds all required fields and hits save button.
5. User logs out of the system.

Alternate Flow:

- 1a.**User selects “Add Access barrier” button.
1. System displays Add Access barrier form

Use Case 10: Update Access Barrier

Primary user: Registered

User/Admin

Stakeholders and Interest:

User: wants a facility to update existing Access Barrier

Pre Condition: user had logged in and opened the Access Barrier page

Post Condition: Access Barrier is updated and listed in the access barrier list

Main Scenario:

1. System displays the facility to update existing access barrier
2. User clicks on “Update” button.
3. System displays selected access barrier
4. User adds all required fields and hits save button.
5. User logs out of the system.

Alternate Flow:

1a. User selects “Update Access barrier” button.

1. System displays Update Access barrier for

Use case 11: Upload Organisation Logo

Primary user: Registered User

Stakeholders and Interest:

Registered User: wants a facility to upload organization logo

Pre Condition: user has logged in and opened the Organisation Settings page.

Post Condition: Organisation logo uploaded successfully.

Main Scenario:

1. System displays page to browse for the files to upload.
2. User selects what he/she wants to upload and browse for the logo to upload and clicks on “save” button.
3. System uploads the logo to the database.
4. User logs out of the system.

Alternate Flow:

3a. logo upload Failure

1. System displays ‘choose valid file format’.

Use Case 12.: View Attendance

Primary User: Registered Member.

Stakeholders and Interest:

Registered Member: wants a facility to the view attendance in Daily View and Monthly/Weekly View

Pre Condition: Registered Member has logged in

Post Condition: System shows the attendance details

Main Scenario:

1. System displays Daily View after clicking on Attendance after login
2. Attendance shows Daily View and Monthly/Weekly View

Alternate Flow:

- 1a.** Incorrect data: handle incorrect data on Attendance.

Use Case 13: Add Visitor

Primary user: Registered

User/Admin/End user

Stakeholders and Interest:

User: wants a facility to add a new Visitor

Pre Condition: user had logged in and opened the Visitor page

Post Condition: New Visitor is listed in Visitors list

Main Scenario:

1. System displays Add Visitor form
2. System displays the facility to add Visitor
3. User adds all required fields and hits save button.
4. User clicks on “Save Changes” button.
5. User logs out of the system.

Alternate Flow:

- 1a. User selects “Add Visitor” button.
2. System displays Add Visitor form

Use Case 14: Search Visitor

Primary user: Registered

User/Admin/End User

Stakeholders and Interest:

User: wants a facility to search existing Visitor

Pre Condition: user had logged in and opened the Visitor page

Post Condition: Searches Visitor searched by user

Main Scenario:

1. System displays the facility to search existing Visitors
2. User searches and clicks on “search” button.
3. System displays the list of visitor according to the searched item.
4. User logs out of the system.

Alternate Flow:

1a. Record does not exist

1. System displays the message 'No record Found'.

Use Case 15: View Visitor

Primary User: Registered

Member/Admin/End User

Stakeholders and Interest:

Registered Member: wants a facility to the view Visitor

Pre Condition: Registered Member has logged in and clicks on Visitor Management

Post Condition: System shows the visitor list

Main Scenario:

1. System displays All Visitors in the Organisation on click on Visitor Management

Alternate Flow:

1a. Incorrect data: handle incorrect data on Attendance.

Use Case 16: View Visitor Log

Primary User: Registered Member.

Stakeholders and Interest:

Registered Member: wants a facility to the view the logs of Visitors

Pre Condition: Registered Member has logged in

Post Condition: System shows the Visitor logs

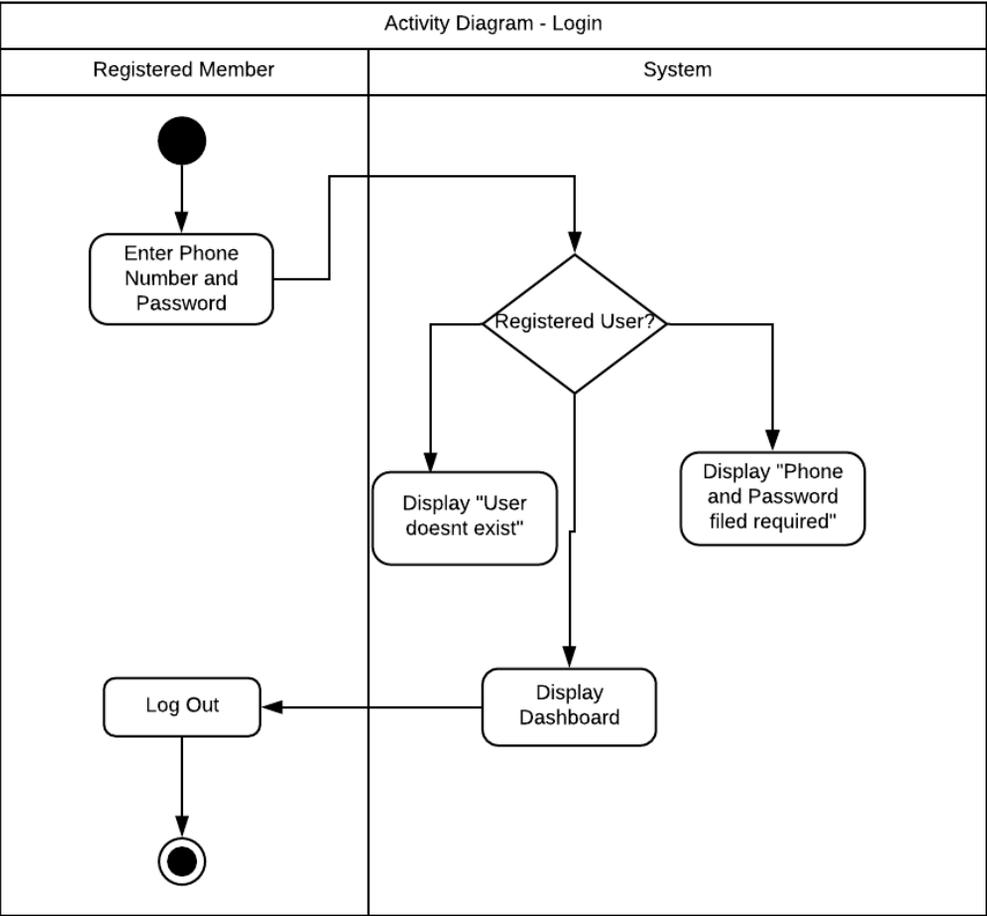
Main Scenario:

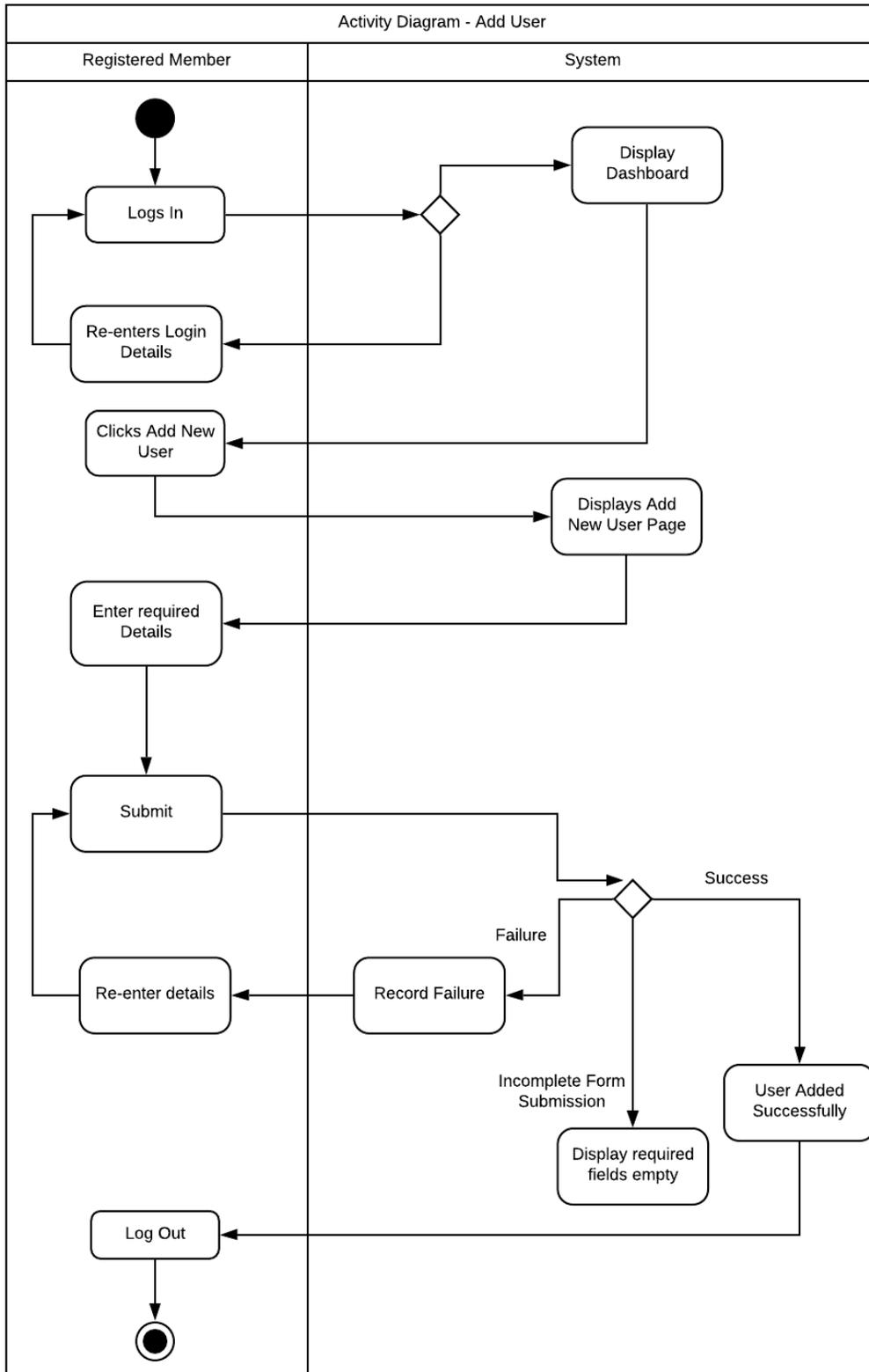
1. System displays Visitor Logs on click of Visitor Logs

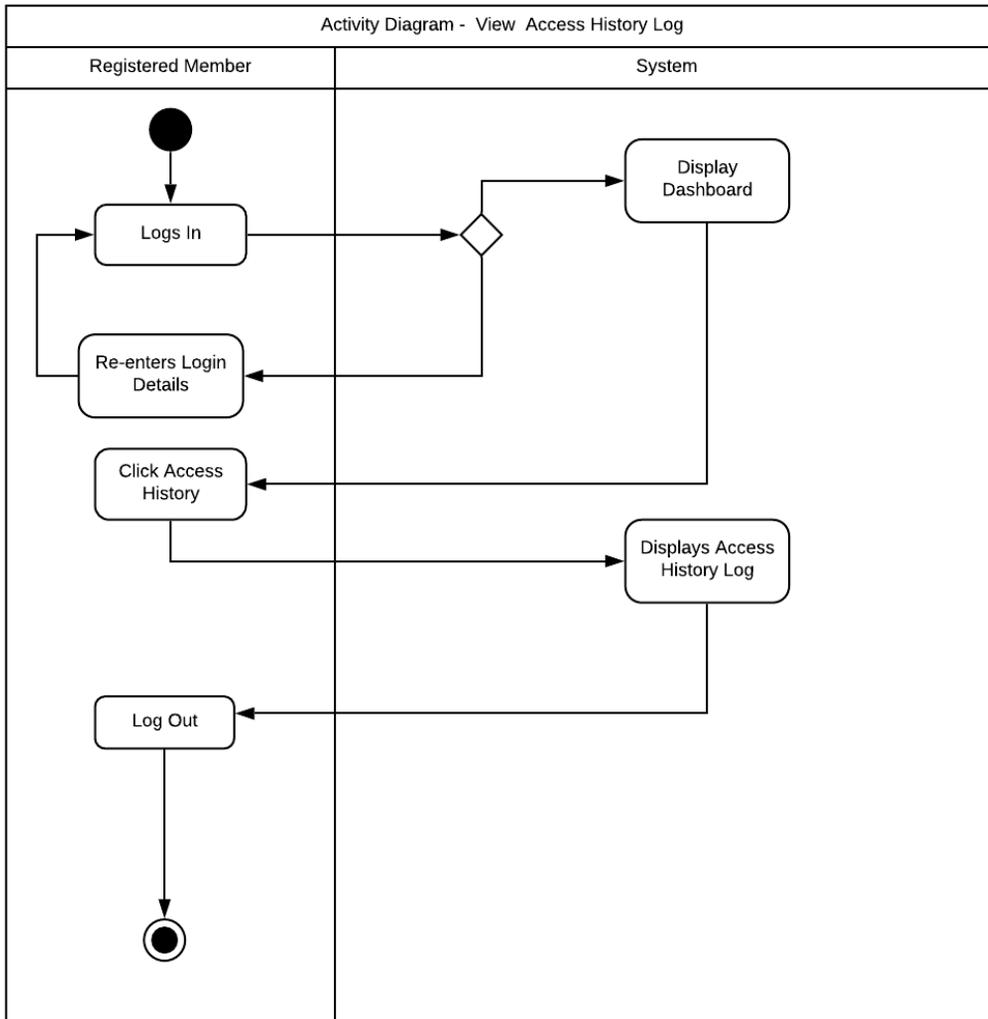
Alternate Flow:

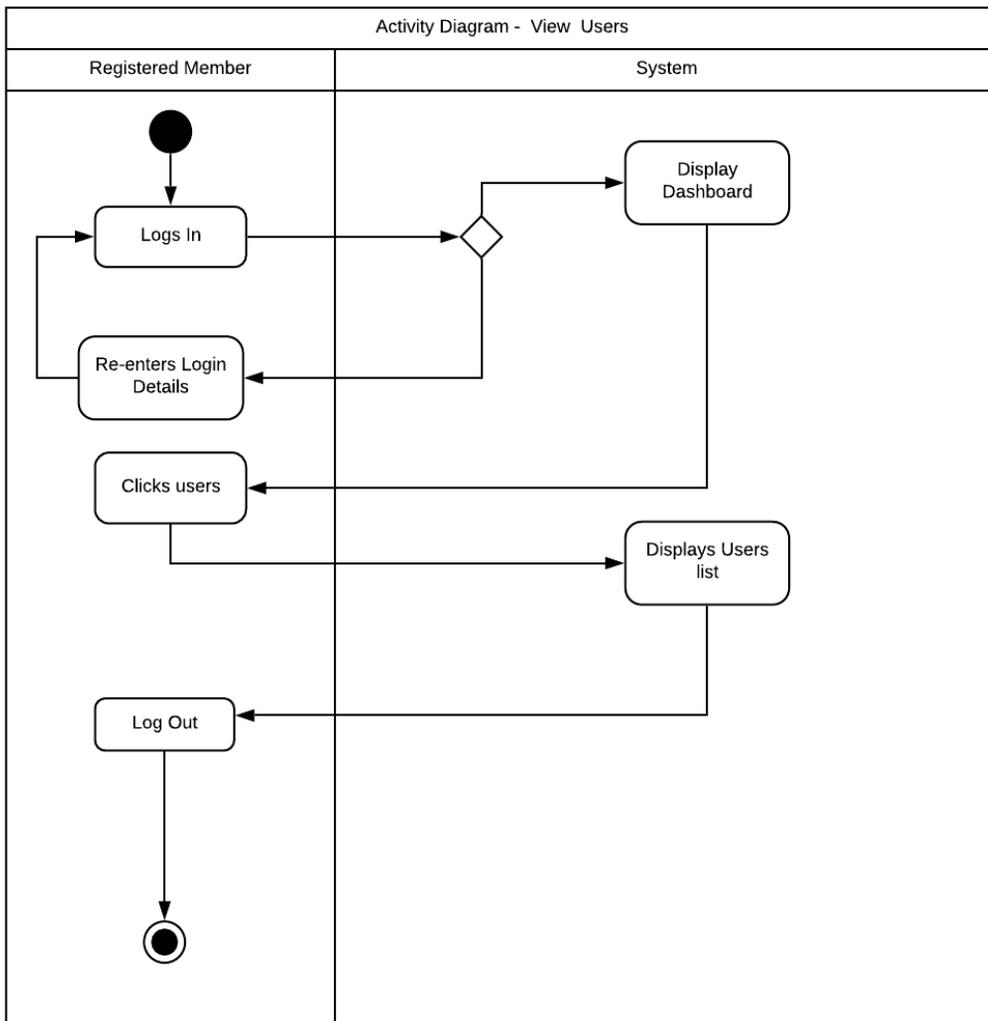
- 1a.** Incorrect data: handle incorrect data on Visitor.

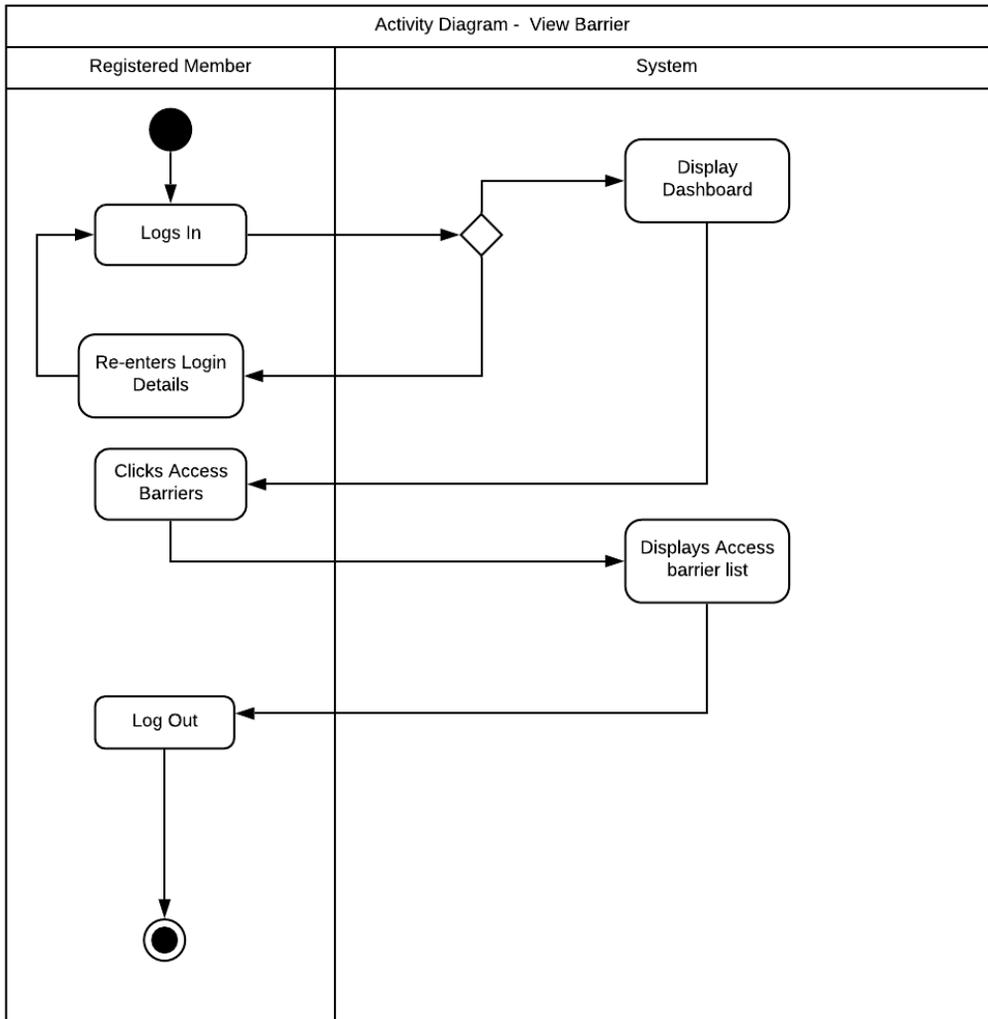
ACTIVITY DIAGRAM

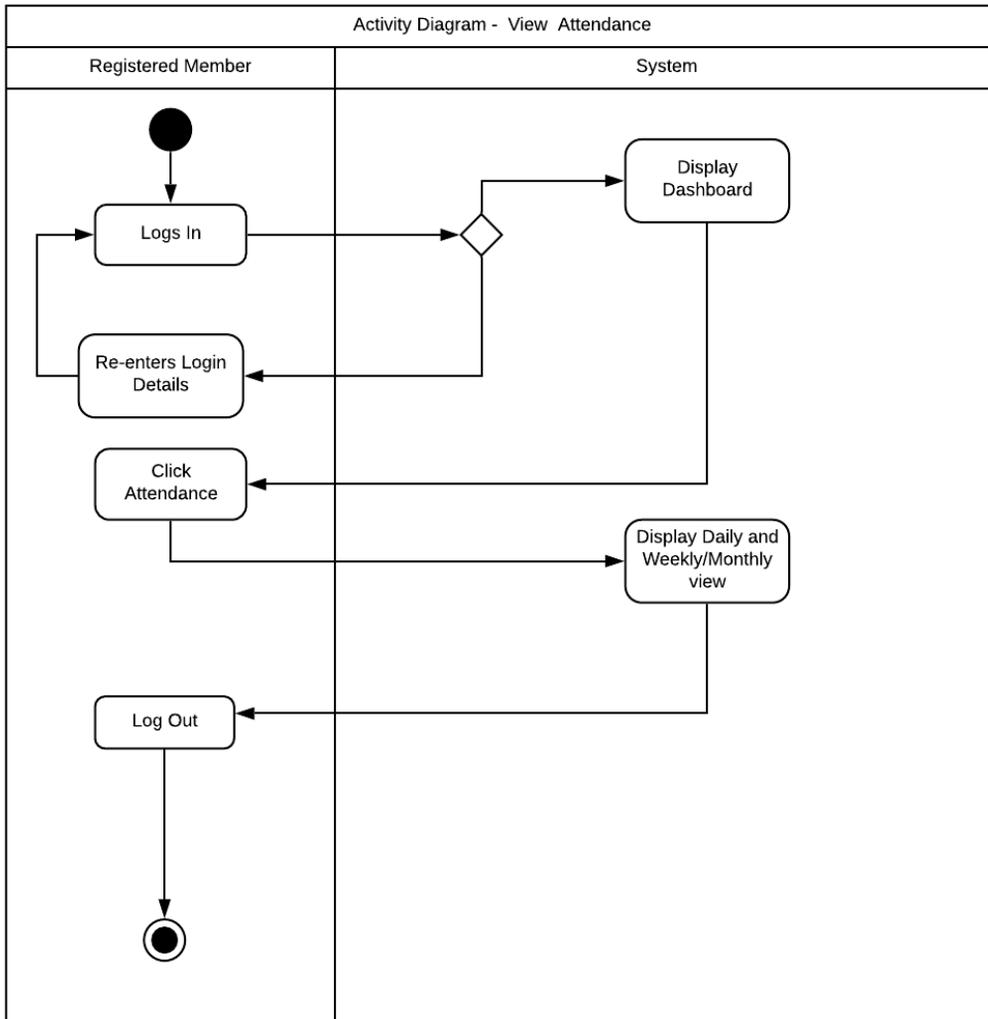


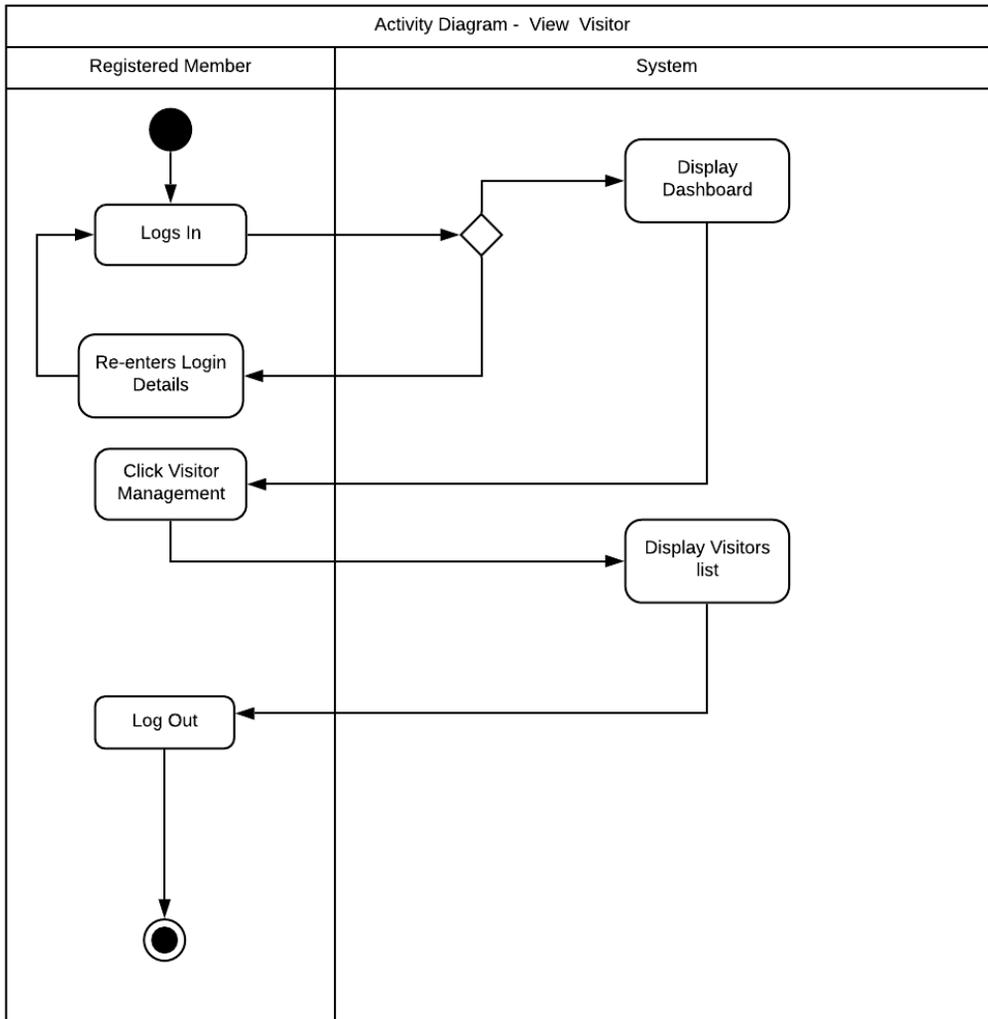


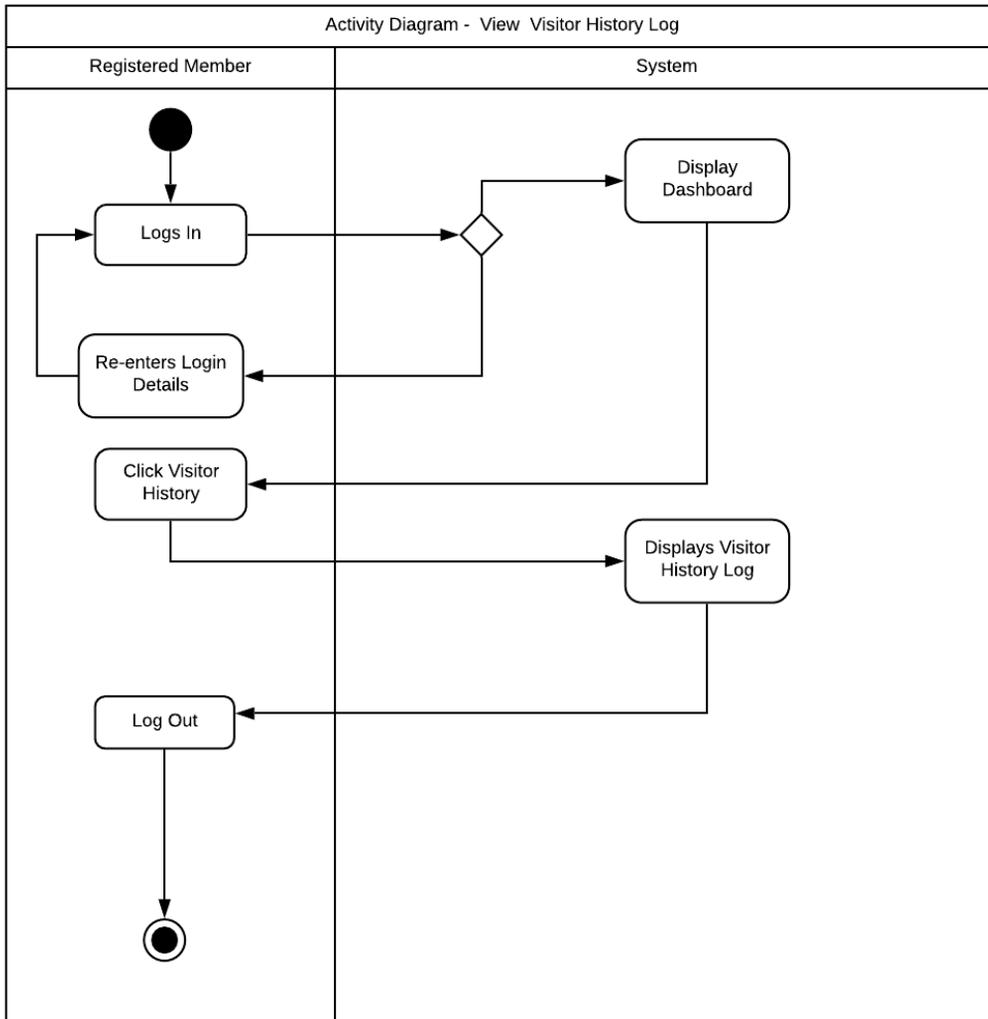


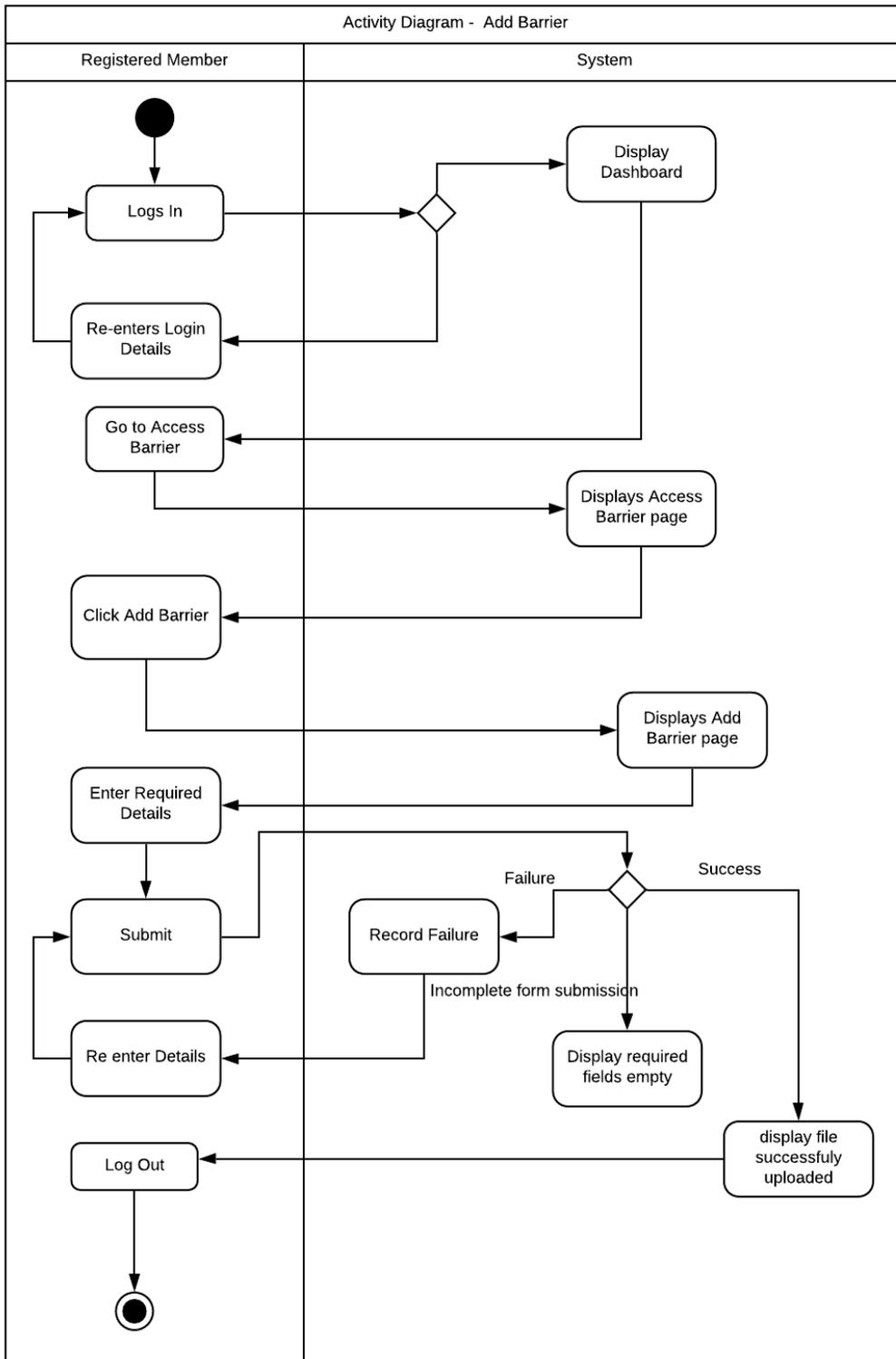


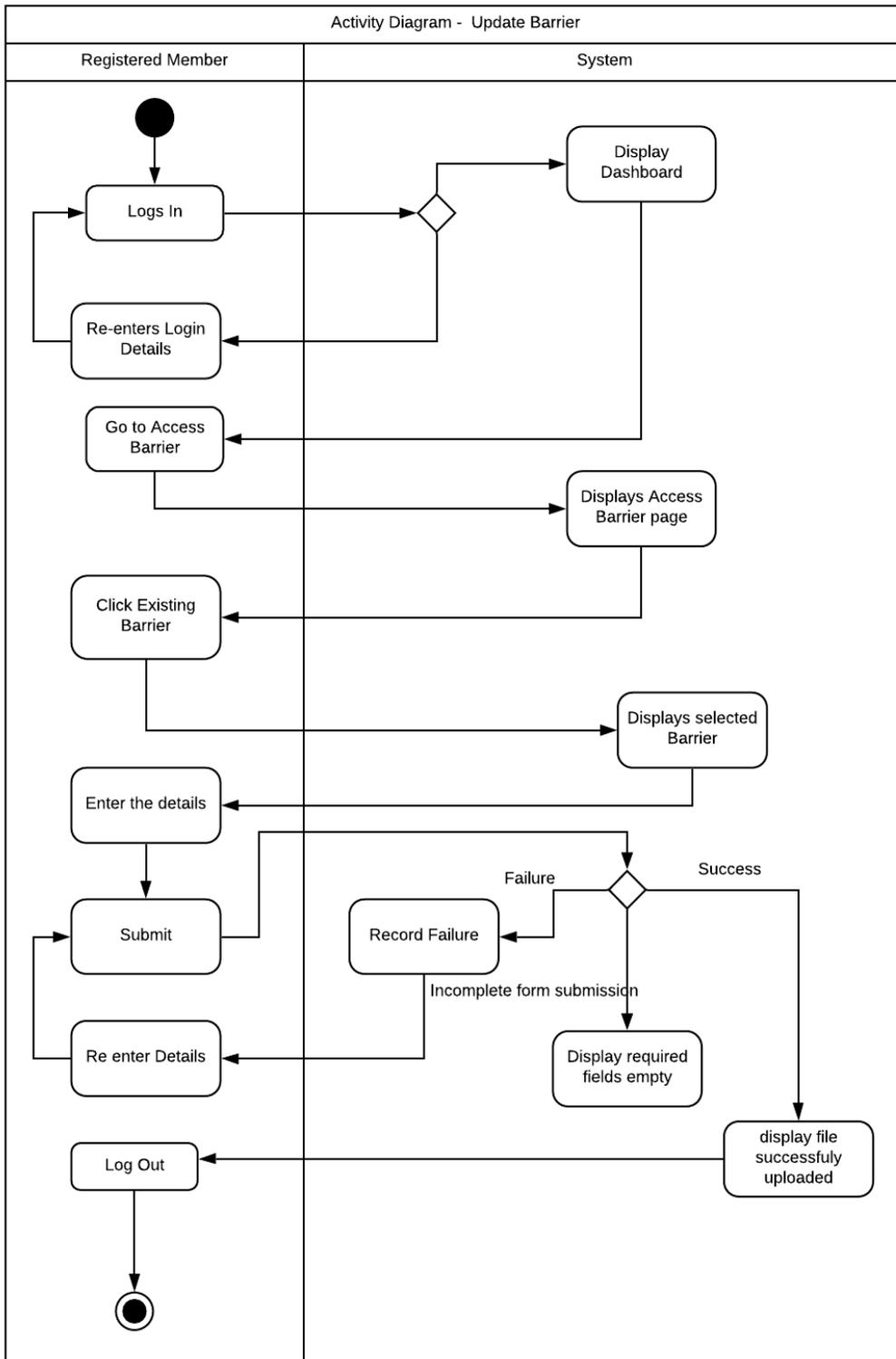


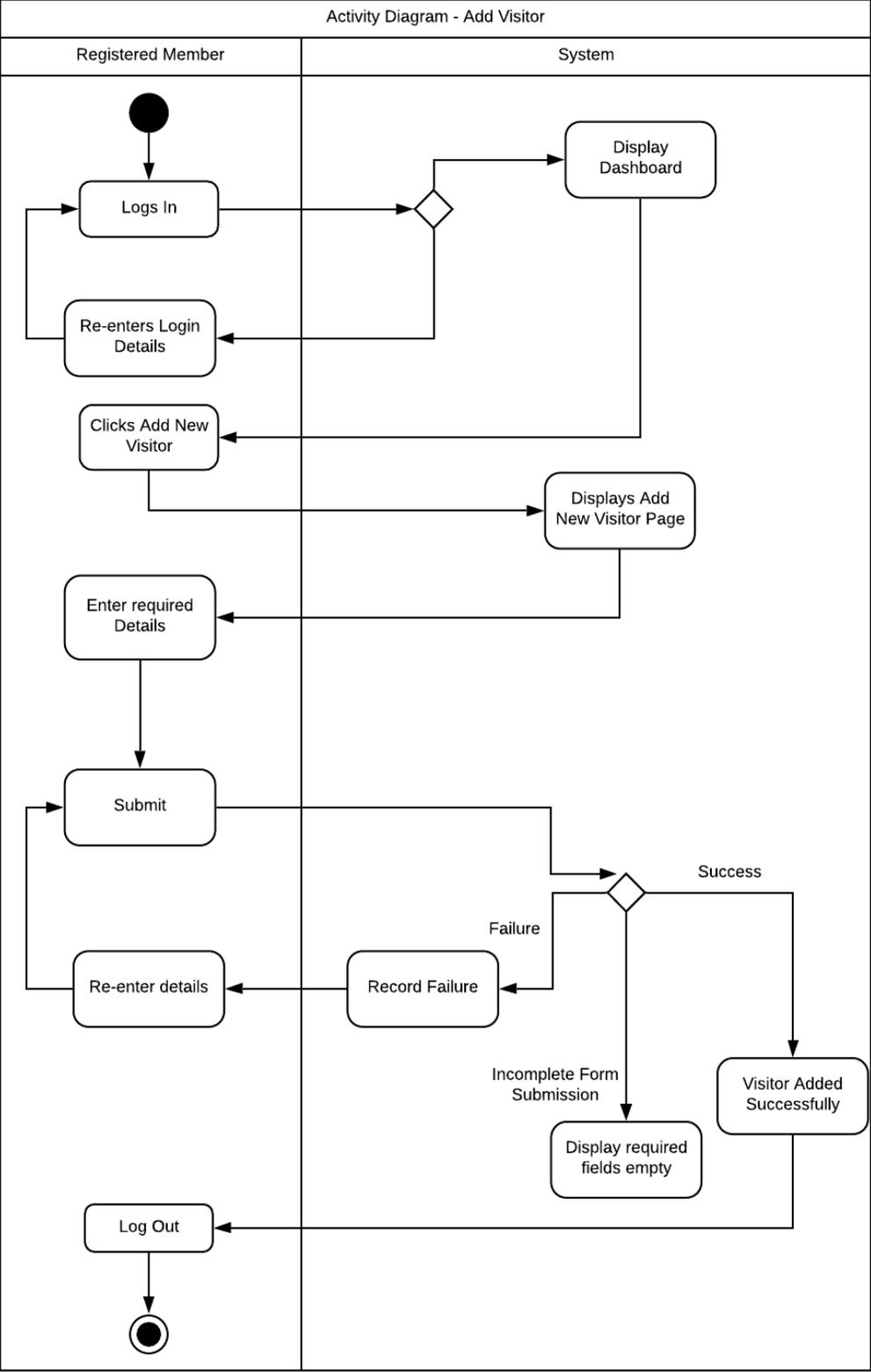


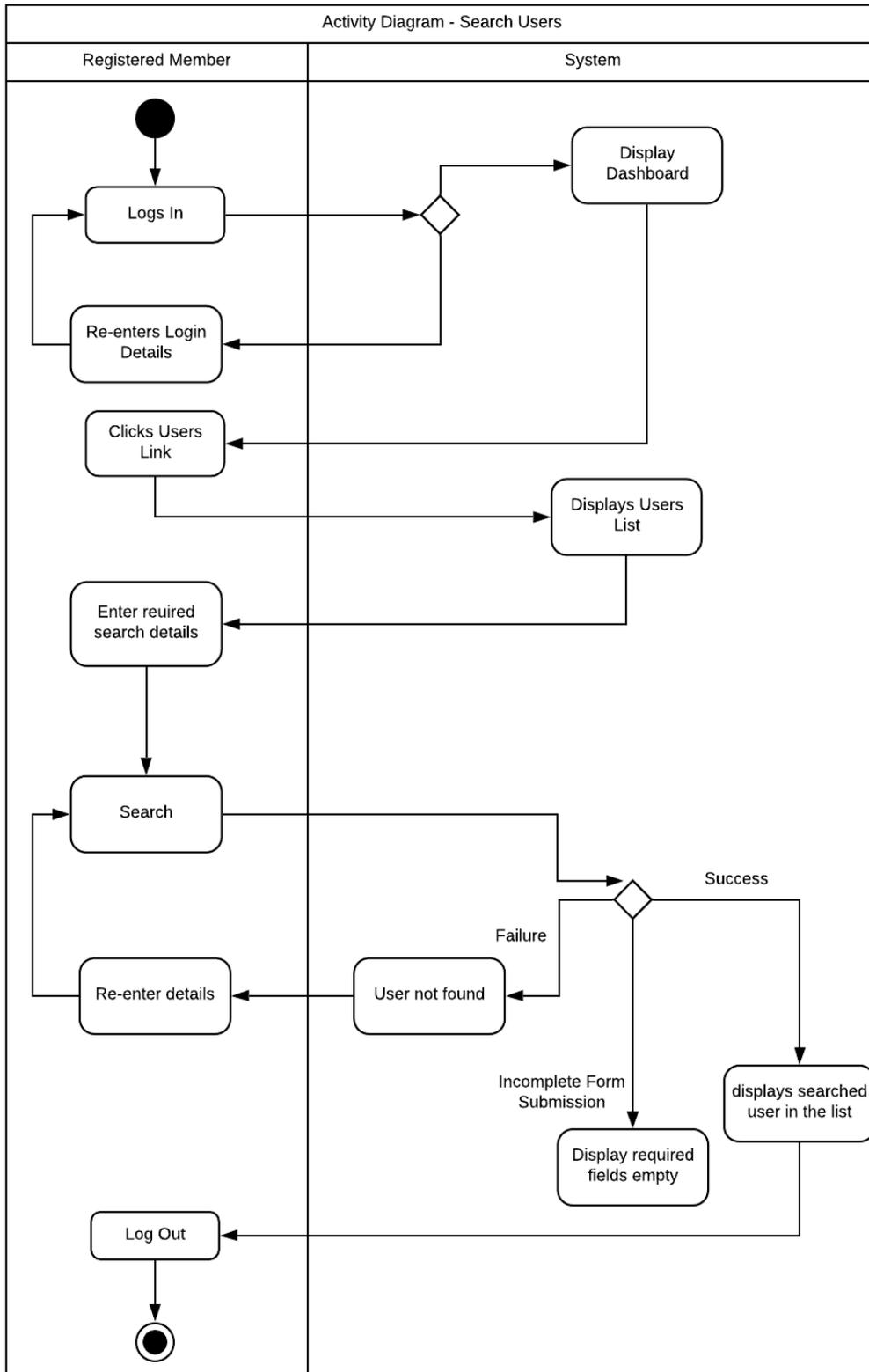


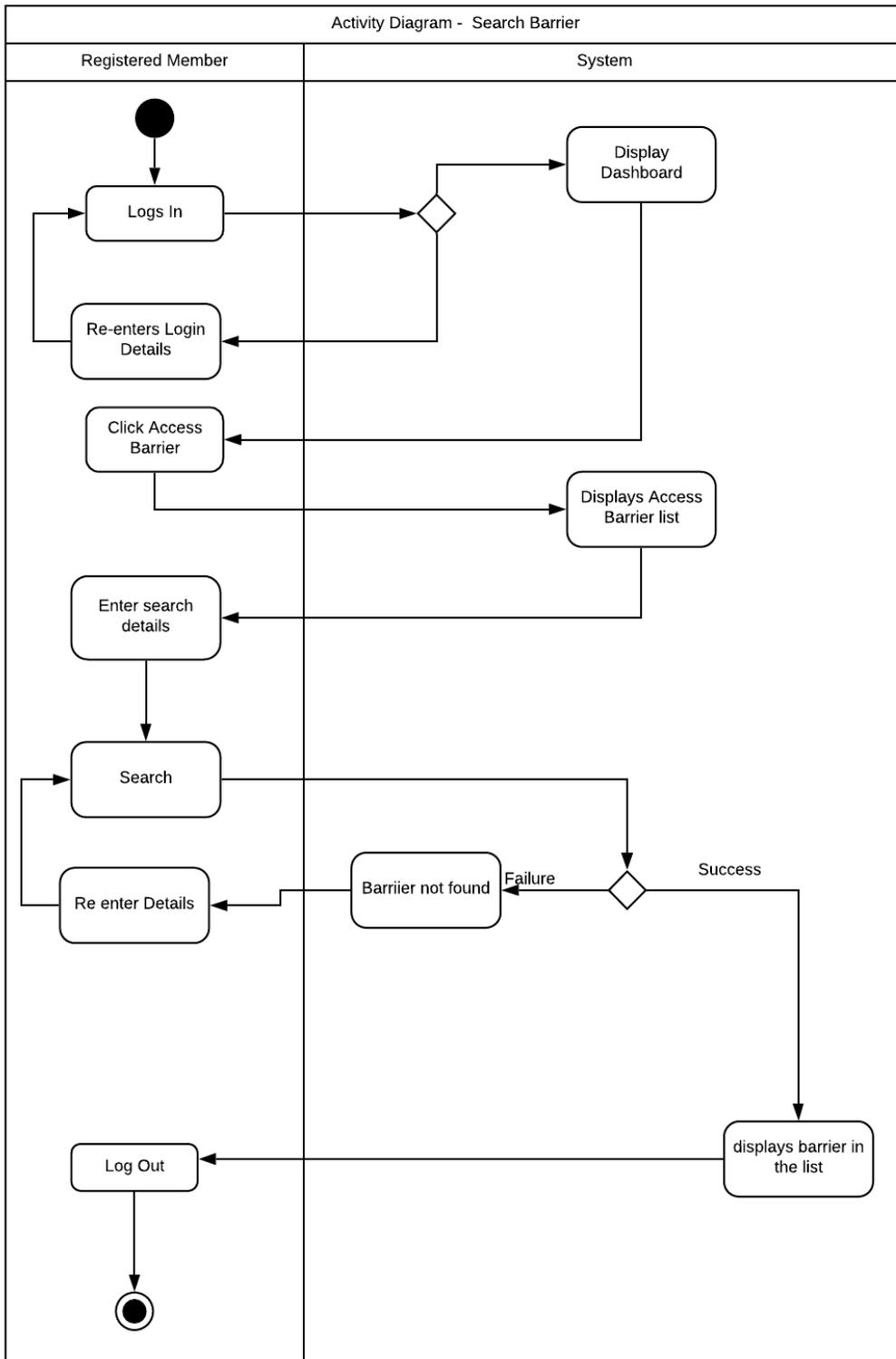


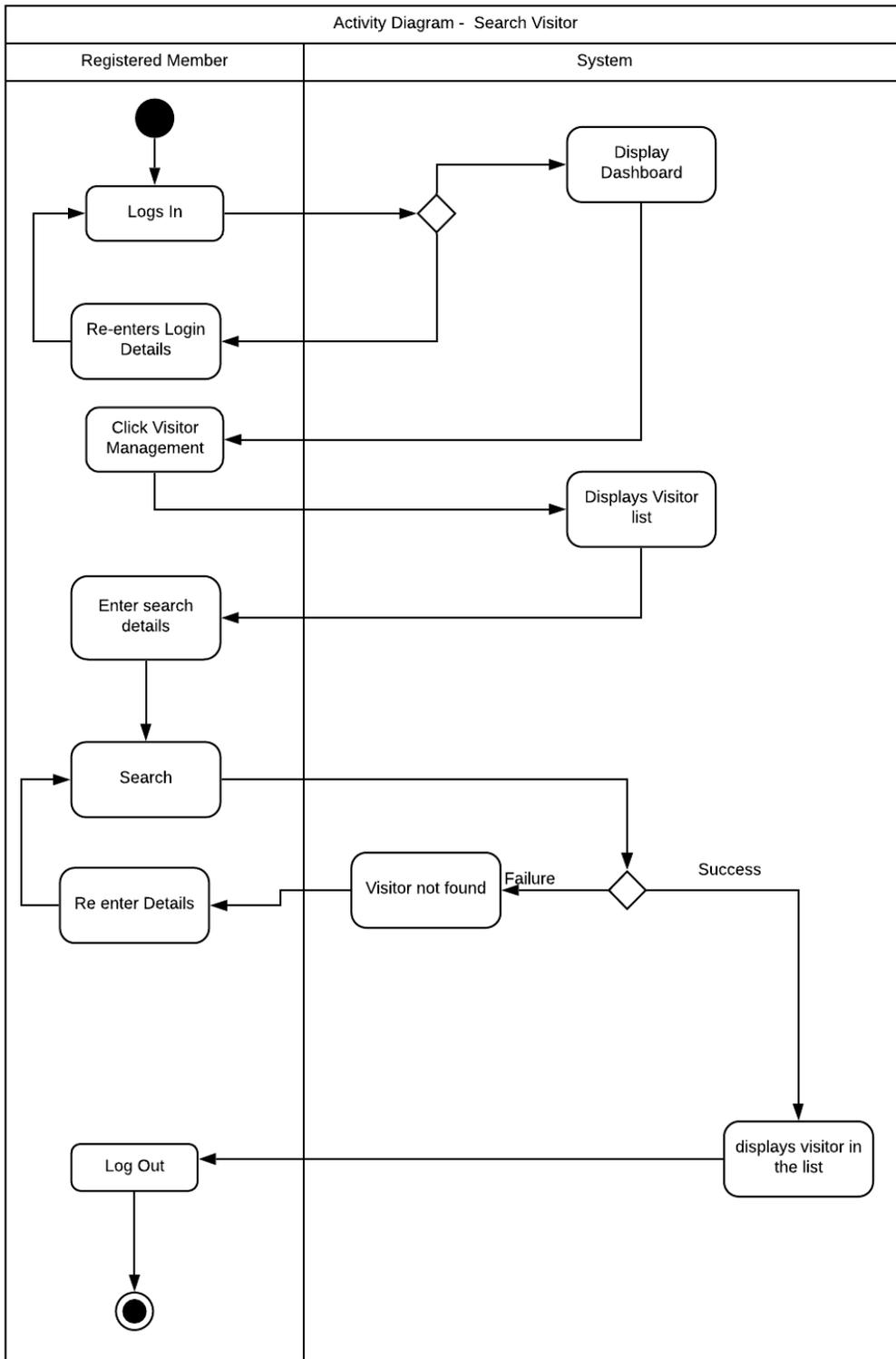


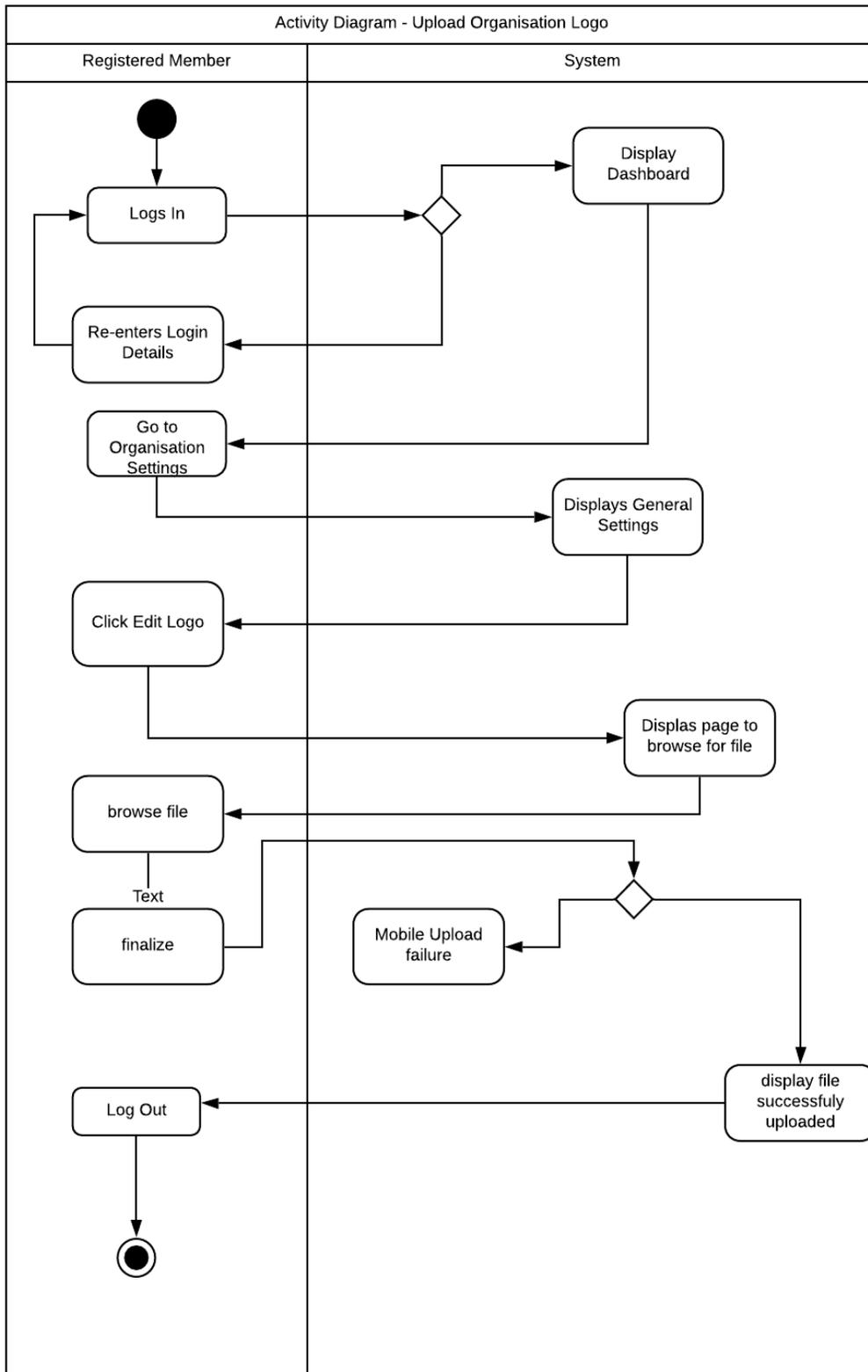








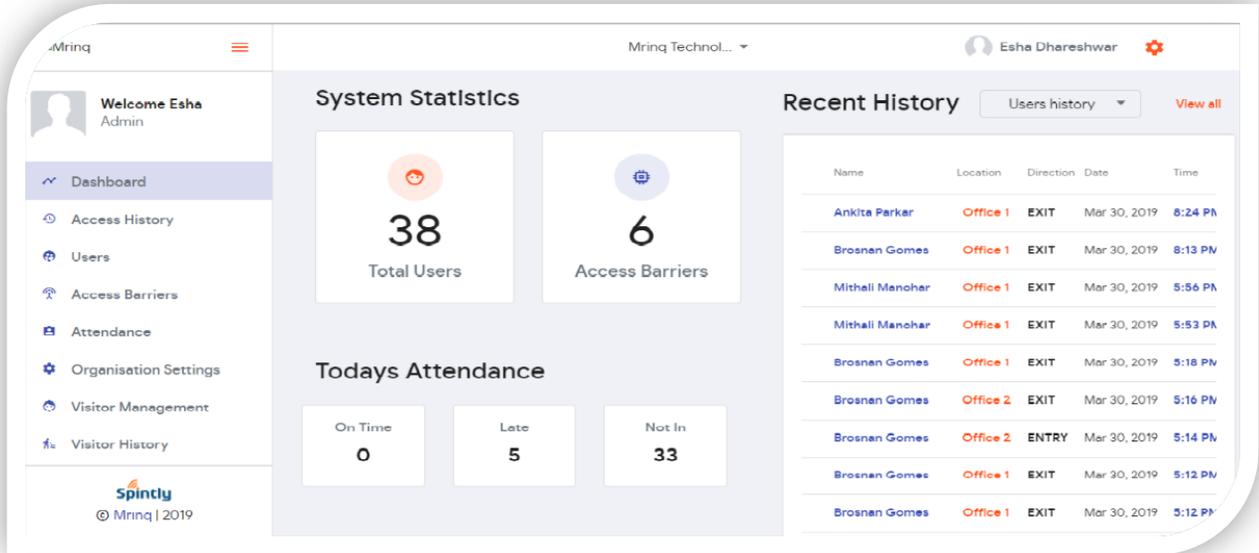




Unit III

SCREENSHOTS

Dashboard



Access History Log

The Access History Log provides a detailed view of user access events. It includes a sidebar, a top navigation bar, and a main table with a 'List' header and a 'Filters' button.

Date	Time	Direction	Name	Location
Mar 30, 2019	8:24 PM	EXIT	Ankita Parker	Office 1 - Shop
Mar 30, 2019	8:13 PM	EXIT	Brosnan Gomes	Office 1 - Shop
Mar 30, 2019	5:56 PM	EXIT	Mithali Manohar	Office 1 - Shop
Mar 30, 2019	5:53 PM	EXIT	Mithali Manohar	Office 1 - Shop
Mar 30, 2019	5:18 PM	EXIT	Brosnan Gomes	Office 1 - Shop
Mar 30, 2019	5:16 PM	EXIT	Brosnan Gomes	Office 2 - Apartment
Mar 30, 2019	5:14 PM	ENTRY	Brosnan Gomes	Office 2 - Apartment

Users Management

Mringq | Esha Dhareshwar

Welcome Esha Admin

- Dashboard
- Access History
- Users**
- Access Barriers
- Attendance
- Organisation Settings
- Visitor Management
- Visitor History

Users Management

List Filters + -

<input type="checkbox"/>	Name	Email	Phone	Created	Role
<input type="checkbox"/>	Akesh	akashk@mrinq.com	+919090909090	2/22/19, 3:59 PM	End user
<input type="checkbox"/>	Akesh Kulkarni	akashk@mrinq.com	+919405921876	2/22/19, 12:29 PM	End user
<input type="checkbox"/>	Akshey Shirwaikar	akshey.shirwaikar@gmail.com	+919049243506	2/28/19, 10:53 AM	Administrator
<input type="checkbox"/>	Anees Ahmed	aneesa@mrinq.com	+918975345483	2/24/19, 7:21 PM	End user
<input type="checkbox"/>	Aniket Shet	anikets@mrinq.com	+919764704079	2/24/19, 7:16 PM	End user
<input type="checkbox"/>	Ankita Parker	ankitap@mrinq.com	+919049338349	2/22/19, 11:14 AM	End user
<input type="checkbox"/>	Brosnan Gomes	brosnang@mrinq.com	+917972046516	2/22/19, 11:24 AM	End user
<input type="checkbox"/>	Esha	esha@test.com	+919975242859	2/26/19, 4:08 PM	Administrator

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Mringq | Esha Dhareshwar

Welcome Esha Admin

- Dashboard
- Access History
- Users**
- Access Barriers
- Attendance
- Organisation Settings
- Visitor Management
- Visitor History

Add User

User Detail

Full name Email address

Change country Phone

Employee ID

End user Administrator

Permissions

Select access barriers

Spintly © Mringq | 2019

Access Management

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Access Management

List

<input type="checkbox"/>	Name	Location
<input type="checkbox"/>	100IT00E00000C-testing	Shop
<input type="checkbox"/>	Office 1	Shop
<input type="checkbox"/>	Office 2	Apartment
<input type="checkbox"/>	Parkar House	Shop
<input type="checkbox"/>	Rohin Demo	Worldwide
<input type="checkbox"/>	Rohin Demo (unit 05)	Worldwide

Items per page: 10 1 - 6 of 6

Attendance

Mring Technol... Esha Dhareshwar

Attendance

Daily view Weekly/Monthly view

List

Name	Entry	Exit	Hours in Office	Hours out of Office
Akash	--	--	0 mins	0 mins
Akash Kulkarni	10:40 AM	8:13 PM	5 hrs, 56 mins	3 hrs, 36 mins
Akshay Shirwalkar	--	--	0 mins	0 mins
Anees Ahmed	--	--	0 mins	0 mins
Aniket Shet	--	--	0 mins	0 mins
Ankita Parker	9:47 AM	3:58 PM	3 hrs, 37 mins	2 hrs, 34 mins
Audrey Nunes	2:44 PM	6:50 PM	4 hrs, 6 mins	0 mins
Prasanna Ganesan	9:01 PM	6:51 PM	2 hrs, 25 mins	2 hrs, 25 mins

Organisation Set Up

The screenshot shows the 'Organisation Set Up' page. On the left is a sidebar with navigation items: Dashboard, Access History, Users, Access Barriers, Attendance, Organisation Settings (highlighted), Visitor Management, and Visitor History. The main content area is titled 'Organisation Set Up' and has tabs for 'General settings', 'Attendance settings', 'Access-type settings', and 'GreytHr settings'. Under 'General settings', there is a section 'Customize your Organisation' with form fields for: Organisation name (Mrinq Technologies), Email (admin@mrinq.com), Phone number (8637747238), and Location (Fatorda). There is an 'Edit logo' button and a 'Save Changes' button at the bottom right.

Visitor Management

The screenshot shows the 'Visitor Management' page. The sidebar is the same as in the previous screenshot, with 'Visitor Management' highlighted. The main content area is titled 'Visitor Management' and features a 'List' table. Above the table is a search bar labeled 'Search visitor' and a 'Filters' button. The table has columns for Name, Designation, Phone, Time, and To meet. The data rows are as follows:

<input type="checkbox"/>	Name	Designation	Phone	Time	To meet
<input type="checkbox"/>	Brosnan Gomes		+914356788654	3/30/19, 12:23 PM	Rohin
<input type="checkbox"/>	Visitor19march		+917891234567	3/19/19, 3:50 PM	Vaibhavi
<input type="checkbox"/>	Marc Miranda	asdfasdf	+919673500164	3/18/19, 6:08 PM	asdfasd
<input type="checkbox"/>	Vaibhavi Parker	soft lead	+911234567890	3/16/19, 4:53 PM	malcolm
<input type="checkbox"/>	Vaibhavi Parker	soft lead	+911234567890	3/16/19, 4:53 PM	malcolm
<input type="checkbox"/>	Vaibhavi Parker	soft lead	+911234567890	3/16/19, 4:53 PM	malcolm
<input type="checkbox"/>	Vaibhavi Parker	soft lead	+911234567890	3/16/19, 4:53 PM	malcolm
<input type="checkbox"/>	Vaibhavi Parker	soft lead	+911234567890	3/16/19, 4:53 PM	malcolm

Welcome Esha
Admin

- Dashboard
- Access History
- Users
- Access Barriers
- Attendance
- Organisation Settings
- Visitor Management
- Visitor History

Spintly
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Add Visitor

Visitor detail

Full name *

Email address *

Change country
India x

Company

Select Access Barrier *

To Meet *

Valid From * 4/4/2019

+91 Phone * 0 / 10

Designation

Valid Until *

Visitor History Log

Mrinq

Welcome Esha
Admin

- Dashboard
- Access History
- Users
- Access Barriers
- Attendance
- Organisation Settings
- Visitor Management
- Visitor History

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Mrinq Technol...
Esha Dhareshwar

Visitor History Log

List Filters

Date	Time	To Meet	Name	Location
Mar 16, 2019	4:28 PM	Aasdf	Kusum Pal	Office 1 - Shop
Mar 16, 2019	4:28 PM	Aasdf	Kusum Pal	Office 1 - Shop
Mar 16, 2019	4:28 PM	Aasdf	Kusum Pal	Office 1 - Shop
Mar 16, 2019	4:28 PM	Aasdf	Kusum Pal	Office 1 - Shop
Mar 16, 2019	4:28 PM	Aasdf	Kusum Pal	Office 1 - Shop
Mar 16, 2019	4:28 PM	Aasdf	Kusum Pal	Office 1 - Shop
Mar 16, 2019	4:27 PM	Aasdf	Kusum Pal	Office 1 - Shop
Mar 07, 2019	4:31 PM	Ankita	Visitor7march	Office 1 - Shop

CONCLUSION

SPINTLY Smart Access - is future globalising Access Management system.

Working on this project was really challenging task for me, but the benefits of working with completely new technologies are huge. As time progressed, I learned about:

- The Nodejs language which made my task quite easy.
- Jasmine made the system to test with ease

The idea behind the project is vast and has a better future scope for all organisations.

Besides the above learning aspects I also enjoyed working on an industrial based project.

Lastly, I would also like to conclude that ***“Project becomes success if we have a bigger idea and enjoy working for that idea with full determination”***.

FUTURE SCOPE

SPINTLY Smart Access will be a boon for all the organizations. It will greatly help the HR department to deal with Users data. The Organisation with high security will also be benefitted with the product. The project is still under development and will have more enhanced features such as:

Geo Fencing- This feature allows the visitor to get access to the barrier under certain proximity.

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F: +91 832 2871333
www.holidayinngo.com



GOA

REF: HIR/HR/4341/2017

20th June, 2018

To,
The Coordinator of Applied Economics,
Parvatibai Chowgule College Of Arts & Science,
Gogol – Goa.

Sub: Completion of Industrial Internship Programme.

This is to certify that MS. JOLISA RUFINA TAVARES a student of Parvatibai Chowgule College Of Arts & Science, Gogol - Goa, has undergone Industrial Internship Programme in our Organization from 21st May, 2018 to 20th June, 2018 and has completed 180 Hours.

We wish her all the best in her career.

For HOLIDAY INN RESORT™ GOA


SILVANO FERNANDES
HUMAN RESOURCE MANAGER



DEVYANI FOOD INDUSTRIES LTD.

Survey No. 295-1A, NH 4A, Tisk, Usgaon, Goa - 403406
Ph: 0832 - 2344415, 2344393, 2344778, 2344796, 2344526
Website : www.rjcorp.com



June 23, 2018
HR/IPT/2018/06

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. Rakhi Kadam a student of M.A. in Economics from Parvatibai Chowgule College of Arts & Science Margao Goa has successfully completed summer internship training in our company for the period from 26th May 2018 to 23rd June 2018.

We found her honest and hardworking during her training period.

We wish her best of luck for her future assignment.

For Devyani Food Industries Ltd.

(Authorised Signatory)

YELLOWALLS TECHNOLOGIES

SHOP NO 4, SUSHEELA GRANDE, VADDEM, VASCO DA GAMA, GOA - 403802

August 12, 2018

To,

The Coordinator of M.A

Applied Economics

Parvatibai Chowgule College of Arts and Science

Gogol – Goa

Sub: Internship Certificate

This is to certify that **MR. BENJAMIN DAVIS ROBINSON**, student of **Parvatibai Chowgule College of Arts and Science, Gogol – Goa**, was employed as an intern with **Papcups Technology Pvt. Ltd.** based in Goa. Davis' internship at Papcups Technology started on **June 9, 2018** and came to an end on **August 12, 2018** and he has completed **300 hours**.

During his internship with Papcups, the intern's conduct was fair.

Regards,



Satyakirti Faldesai

Prop – Yellowalls Technologies

(A Unit of Papcups Technologies)



Date: 29th January 2019

To Whomsoever It May Concern

This is to certify that Ms. Delila Cecilia Da Costa, student of Parvatibai Chowgule College of Arts and Science (Autonomous), Margao, Goa was an Intern at Sangath on Beyond Boundaries, a project promoting Inclusive Education in Elementary Schools in South Goa from 12th November to 03rd December 2018.

Sangath is a non-governmental, not-for-profit organization committed to improving health across the life span by empowering existing community resources to provide appropriate physical, psychological and social therapies.

During her internship in Beyond Boundaries project, Delila assisted in data entry, re-checking of entered data, worked with remedial teacher in making aids, worksheets, engaged with the team in organizing the International Day for Persons with Disabilities, assisted in making the Power Point presentation on the Beyond Boundaries project.

We thank Delila for her services and wish her the best in her future endeavours.

Dr Fredric Azariah
Executive Director
Sangath
Goa, India

SANGATH
Reg. No. 138/Goa/96
H. No. 451 (168) Bhatkar Vaddo
Socorro Porvorim
Bardez - Goa - 403 501
Ph: 7897872345

Sangath, H No. 451(168), Bhatkar Waddo, Survey No. 50/31, Succour, Porvorim, Bardez, Goa 403501, India
Phone: +917887872345 Email: contactus@sangath.in, Website: www.sangath.in

JOAO MINGUEL VIVEK GOMES

B.Sc., LL.B.

ADVOCATE

Office at Margao: B-304, Pereira Plaza, 3rd Floor, Opposite Hospicio Hospital, Salcete,
Margao- Goa 403 601
Residence cum Office: H. No. 365, Sonarbat, Carvota-Intulim, Salcete, Goa 403 718
Mobile: 985045941 Email: vivekgomes123@rediffmail.com

CERTIFICATE

This is to certify that Miss Lyzenn Dale Rodrigues, resident of Issorcim, Hollant, P.O Cansaulim Goa a student of Smt. Parvatibai Chowgule College of Arts and Science Gogol Margao Goa has come to my office from 8th May 2019 to 15th June 2019 for doing her Internship work for around 150 hours and as per my instructions has carried out the following work

1. Arranged the Bare Acts in the shelf so also Commentaries on other Acts, Digests and other Legal books.
2. Arranged the Court files by punching the loose papers and numbering.
3. Cleared the shelves and put name tags for the filed to be placed.
4. Assisted to draft Applications before State Government Authorities/Local Authorities.
5. Arranged the files for taking to the Court after the summer vacation.

The above said student has exhibited exemplary qualities and good behaviour. I wish her all the best in her future endeavours.

This certificate is issued to her at her request to produce it in her college to the concerned department.

Place: Margao Goa

Date: 15/06/2019



Adv. Joao Minguel Vivek Gomes
Off: B-304, Pereira Plaza,
3rd Floor, Opp. Hospicio Hospital,
Margao - Goa
Mob No: 9850459411



Birla Institute of Technology & Science, Pilani
K K Birla Goa Campus

Ref: BITS/Eco/Internship/2018-19

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the internship report entitled "*Data collection on Toll rate and Travel Time Savings of different category of vehicles plying through Toll Plazas in India*" is submitted by **Vasu Mohan Gupta** student of B.A-Economics Department, ParvatibaiChowgule College of Arts and Science (Autonomous), Margao-Goa. The internship has been carried at BITS Pilani, K K Birla-Goa Campus, under my supervision during the year 2018 and is a record of the bona fide work that has been carried out successfully.

Rajorshi Sen Gupta
(DrRajorshiSen Gupta)



Birla Institute of Technology & Science, Pilani
K K Birla Goa Campus , Near NH 17B, Bypass Road
Zuarinagar 403726, Goa, India

Tel: +91 832 2580462
rajorshis@goa.bits-pilani.ac.in
Web: www.bits-goa.ac.in

<http://universe.bits-pilani.ac.in/goa/rajorshis/profile>

Hotel

Silver Sands
BEACH RESORT

Date: 2nd June, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Sonia Rajai**, student of Parvatibai Chowgule College of Arts & Science, Margao- Goa, has successfully completed an Internship Training Programme for 120 hours at this M/S Silver Sands Beach Resort from 14th May 2018 to 31st May 2018.

The intern carried out

1. Assisting in Accounts
2. Managed Records in the File
3. Systematic Arrangement of the Files
4. Final Checking and Stamping of Receipts
5. Doing any other task given by the Superior

During this programme, she worked as a member of our team.

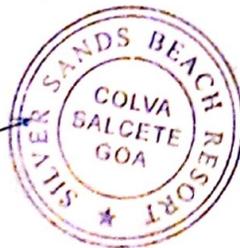
She has fulfilled our expectations.

We wish her every success.

For, SILVER SANDS BEACH RESORT,

(G. V. Prabhudessai)

General Manager



(A UNIT OF PG HOLIDAY INN PVT. LTD.)

COLVA BEACH, SALCETE, GOA - 403 708 TEL.: 0832 - 2788099 / 100 / 102, 3245525 FAX.: 2788021
Email: silversands@sanchamet.in, silversandsbeachresort@yahoo.co.in URL: www.silversandsgoa.com

7th June, 2018

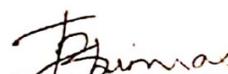
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Ruth Ester Coutinho has successfully completed 120 Hours Internship as Customer Service Agent -Trainee based at Goa Airport from 8th May'18 to 27th May'18 in our organization.

She was very diligent and hardworking and her work was entirely satisfactory.

We wish her all the best for her future endeavors.

For NAS AVIATION SERVICES INDIA PVT. LTD.


BHIMRAO TODKAR
STATION MANAGER



No. GMHSS/ Bon. Cert/2018-19/571
Office of the Principal,
Govt. Multipurpose Hr. Sec. School,
Borda, Margao-Goa.

Date:- 12/01/2019.

15

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mast. Agildas Alambatta, Second year B.Sc Physics student of Smt. Parvatibai Chowgule College of Arts and Science, Margao – Goa has successfully completed internship of 60 Credit hours in Govt. Multipurpose Higher Secondary School, Borda, Margao–Goa w.e.f. 29/11/2018 to 20/12/2018.

During his tenure, he was found to be sincere, well disciplined and hardworking.



(Jose E. Gomes)

Principal
Principal

Govt. Multipurpose Hr. Sec. School
Borda-Margao-Goa

To,

Mast. Agildas Alambatta,

Smt. Parvatibai Chowgule College of Arts & Science

Margao–Goa.

Copy to:- Head of the Physics Department,

Smt. Parvatibai Chowgule College of Arts & Science,

Margao Goa.

No. GMHSS/ Bon. Cert/2018-19/1547
Office of the Principal,
Govt. Multipurpose Hr. Sec. School,
Borda, Margao-Goa.

Date:- 18/06/2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. Richa Dessai, Third year B.Sc student of Smt. Parvatibai Chowgule College of Arts and Science, Margao - Goa has successfully completed internship of 66 hours in Govt. Multipurpose Higher Secondary School, Borda, Margao - Goa w.e.f. 05/06/2018 to 18/06/2018.

During her tenure, she was found to be sincere, well disciplined and hardworking.


(Jose F. Gomes)
Principal
Govt. Multipurpose Hr. Sec. School
Borda-Margao-Goa

To,
Ms. Richa Dessai,
Smt. Parvatibai Chowgule College of Arts & Science
Margao - Goa.

Copy to:- The Head, Department of Physics,
Smt. Parvatibai Chowgule College of Arts & Science,
Margao Goa.



G.V.M.'s
Matoshri Indirabai Baburao Khandeparkar High School

KHANDEPAR - GOA. School Index No. PON-06.15

Phone No.: 2345265

Email Id: mibkhs@rediffmail.com

Ref. No. MIBKHS/

Date : _____

Ref: MIBK /CERTIFICATE/2019-20/74

Date: 17/06/2019

CERTIFICATE

This is to certify that Mast. Richesh Parab studying in Parvatibai Chowgule College of Arts & Science, Margao has successfully completed his 120 hrs Internship training programme in this school.

During his internship he was found to be very hard working and punctual.

We wish Richesh Parab success in his career.

A. S. Patil
Headmaster
M.I.B.K. High School,
Khandepar,
Ponda Goa.





Sarvodaya Education Society's
HIGHER SECONDARY SCHOOL
BARAZAN, USGAO, PONDA-GOA.

403406

Reg. No. HS-52

Phone: 0832-2345294

Ref.No. SES/HSS/ 22/18-19/ 545

Date: 14/12/2018.

To
Shri Yatin P. Desai,
The Head of the Physics Department,
Parvatibaichowgule College of Arts and Science
Fatorda Gogol Margao
Goa.

Sub:- Teaching internship for a student.

Sir,

With reference to your letter regarding internship of Miss Shreya R. Karkade, I am to inform you that she has given her service to this school from 23rd November to 7th December, 2018

In this period she gave lectures to class XIth Science and also guided them in Physics Lab and gave guidance in Music.

Miss Shreya is found to be sincere and hard working and her services were proved to be satisfactory.

Kindly grant her 60 hrs or 2 credits of her internship.

Thanking you,

Yours faithfully,

PRINCIPAL,
S. E. S. HIGHER SECONDARY SCHOOL,
USGAO - PONDA - GOA.



AMIN AUTOMOBILES

Dealers in : Tata Diesel & Ashok Leyland Spare Parts

Shop No. 4 Vinayaka Apts, Opp. Jumma Masjid Ponda Goa 403 401

Mob. : 9823256911, 8805005019

Ref. No. : AAM/SPD/5-6/JUN/132

Date: 06/06/2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Mayur Naik a student of SY BSc from Parvatibai Chowgule College of Arts and Science (Autonomous) Margao, has successfully completed his internship in our organisation "Amin Automobiles" from 27th May 2019 to 4th June 2019.

During his tenure, we found him to be sincere and hardworking and performed his duties to the best of his abilities.

We wish him all the best in his future endeavors.

FOR AMIN AUTOMOBILES


ASHPAK MIRABHAI

MANAGER

Ph.: 2314227
AMIN AUTOMOBILES
Shop No.3, Vinayaka Apt.,
Opp. Jumma Masjid,
Savoi-Verem Road,
Ponda - Goa. 403 401



ST. THERESE'S HIGH SCHOOL

Mangor Hill, Vasco-da-Gama,
Goa - 403 802.
Phone : 2512076

SCHOOL INDEX NO. 04.03

Ref: STH/SEC/MISC/2019-20/84

Dated: 17/06/2019

This is to certify that Ms. Sheba Raichel, student of Parvatibai Chowgule College of Arts & Science, Margao - Goa, has successfully completed an Internship Training Programme/ Observer ship for 60 hours at St. Therese's High School, Mangor hill, Vasco-Da-Gama from 10-06-2019 to 15-06-2019

The intern carried out

- 1) Teaching basic Maths and Science in higher classes.
- 2) Typing annual plan for staff.
- 3) Arranged lab apparatus for the class practicals.

During this programme, she worked as a member of our team. She has fulfilled our expectations.

We wish her every success.

Dr. Lina
HEADMISTRESS

St. Therese's High School
VASCO-DA-GAMA, GOA



Ref no.: QMPL/SUZ/18-19/DEC/132

Date: 06/12/2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Mayur Naik, a student of S.Y.B.Sc from Parvatibai Chowgule College of Arts and Science Autonomous, has successfully completed his internship in our organization "Quadros Motors Pvt. Ltd." from 26th Nov 2018 to 05th Dec 2018.

During his tenure with us, we found him to be sincere and hardworking and performed his duties to the best of his abilities.

We wish him all the best in his future endeavors.

FOR QUADROS MOTORS PVT. LTD.

CLARISSA RODRIGUES

ASST. VICE PRESIDENT HR & OPERATIONS



Ref no.: QMPL/SUZ/18-19/DEC/134

Date: 06/12/2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Nagma Mirabhai a student of S.Y.B.Sc. from Parvatibai Chowgule College of Arts and Science Autonomous, has successfully completed her internship in our organization "Quadros Motors Pvt. Ltd." from 26th Nov 2018 to 05th Dec 2018.

During her tenure with us, we found her to be sincere and hardworking and performed her duties to the best of her abilities.

We wish her all the best in her future endeavors.

FOR QUADROS MOTORS PVT. LTD.



CLARISSA RODRIGUES
ASST. VICE PRESIDENT HR & OPERATIONS

Off. : 27243372
27240557
27245444
Resl. : 27125034
Cell : 9849020790



SREE SAI SINDHURA POLY PRODUCTS

PLOT NO. B-11/2, IDA, MOULA ALI, HYDERABAD - 500 040.

LETTER OF COMMEDATION

Date: 08.12.18

Sub: Successfully completed Internship

This is to certify that Mr. Prasangi Ramesh, student of Parvathibai Chowgule college of Arts & Science, Margoa- Goa has successfully completed Internship programme at **Sree Sai Sindhura Poly Products** based out of Hyderabad on **Slitting Machine & Rotary Tuber w.e.f** 09th November 2018 to 08th December 2018.

The following jobs has been assigned to him during his internship.

1. Six colour printing machine
(a) Colour mixing & shading
2. Slitting Machine
(a) Operating
3. Rotary Tuber
(a) Operating

During his tenure as an Intern, he has shown great zeal to learn and share his ideas with management which is appreciable. He is a quick learner who could complete the learning process on the above subject within the stipulated period which could have taken minimum of three months' time for an average individual.

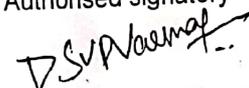
He needs to be more analytical and develop problem solving abilities which could be infused in him with right guidance.

His positive attitude and level headed personality is an asset not only to him but to any organisation that offers employment to him.

We are happy to have him with us as an intern and approve his internship.

We wish him good luck in his future endeavours.

Authorised signatory


(Datla Sandeep Verma)

Managing partner

Date: 20th June 2018

To Whomsoever It May Concern

This is to certify that Ms. Valeska Gracias Student of Parvatibai Chowgule College of Arts and Science Autonomous has completed her on the job insurance internship at Max Life Insurance Co. Ltd.

She was with us from 02nd May 2018 to 31st May 2018. She completed 120 hours of internship. During the period she acquainted herself fully with the working of the organization and she has completed her internship successfully in the role of a recruiter.

We wish her all the best in her future endeavors.

For
Max Life Insurance Co. Ltd.



Lyndon D'souza

Office Head, Margao.

MAX LIFE INSURANCE CO. LTD.

Osia Commercial Complex, 3rd Floor, E Wing, Old Market, Colva Margaon Road Junction, Madgaon -403601 (Goa) District - South Goa
T +91-0832-6691302 F +91-1246659795 E Service.helpdesk@maxlifeinsurance.com W www.maxlifeinsurance.com

Corporate Identity Number - U74899PB2000PLC045626, IRDAI Reg No - 104

Registered Office: 419, Bhai Mohan Singh Nagar, Rallmaira, Tehsil Balachauri, District Nawanshahr, Punjab 144 533.

Max Financial Services and MS Joint Venture

M/S. RAIKAR JEWELLERS

Shop No.13 A Guru Ashish Building, Behind Mapusa Urban Bank, Gandhi Market Road,

Margao,SalceteGoa 403601. Reg No:Margao / 1 / 1264

Phone number: 9767219872

CERTIFICATE OF INTERNSHIP

This is to certify that **Mr Ritesh Hemant Raikar**, Student of Bachelor of Arts Of Parvatibai Chowgule College of Arts and Science Autonomous, Margao has successfully completed his internship from **5th to 22nd of November 2018** at **RaikarJewellersMargao**. He has successfully completed his **120 hours** of internship. As a intern, he was very much responsible to do the work assigned to him and also was very committed as an intern.

Hemant Raikar

17/11/2019

Hemant Vishwas Raikar

(Proprietor)

M/S. RAIKAR JEWELLERS

Shop No. 13 A, Guru Ashish Bldg,
Behind Mapusa Urban Co-op. Bank
MARGAO - GOA 403 601

SCHIFFER AND MENEZES INDIA PRIVATE LIMITED

November 28, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. Celeste Fernandes has completed her Industrial Internship in our organization from 08.11.2018 to 26.11.2018 .

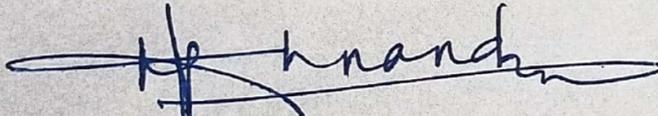
She was placed on training in HR department to study and understand the functioning of the department.

During her tenure, we found her to be sincere, honest and hardworking.

We wish her success in all her future endeavors.

Yours faithfully,

For Schiffer and Menezes India Pvt. Ltd.


Melvin Fernandes
Manager - H.R. & Administration.



Factory Address : L-26/L-27, Phase IIA, Verna Industrial Estate, Verna, Goa - 403722
Telephone : 91-832-6694141 • Fax : 91-832-6694114
E-mail : schiffer@schiffer-menezes.com • Website : www.schiffer-menezes.com

Registered Office : CMM Building, 1st floor, Rua de Ourem, Panaji, Goa - 403001
CIN No. : U28122GA1997PTC002433





CERTIFICATE OF INTERNSHIP

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Rizvon Pastor Fernandes of T.Y.B.A Roll No AU160136 of the academic year 2018-19 has completed the 120 hours of internship in the Department of Sociology. Mr. Rizvon worked as a graphic designer on different assignments given to him. During this process he was found to be sincere, hardworking and punctual.

We wish him all the best in the future endeavour.

Dr. Sachin Savio Moraes
HEAD- Department of Soci

24th January 2019

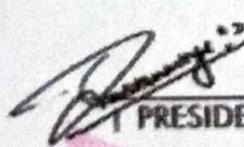
CERTIFICATE OF INTERNSHIP 2018



This certificate is proudly presented to

Melanca Rebello

student of Parvatibai Chowgule College of Arts & Science has successfully completed 120 hours long internship programme from 1. August.2018 to 22. August.2018 at I-HELP FOUNDATION GOA. During the period of his/her internship with us he/she was found punctual, hardworking and inquisitive. We wish her all the best for him/her future endeavours.


PRESIDENT




VICE PRESIDENT

I-HELP Foundation's Initiatives: I-CLEAN || I-WARRIORS || I-RUN for a cause || I-EDUCARE
I-HELP GOA OUTREACH || BLOOD DONATION DRIVE || SCHOOL KIT DONATION DRIVE

KIRAN NIKETAN SOCIAL CENTRE
ZUARINAGAR - GOA 403 276

Date: 30.11.2018

To,
The Principle,
Parvatibai Chowgule College,
Gogol Margao - Goa.

Sub: Voluntary 120 hours of field work completed as per the curriculum by F.Y.B.A Student.

Respected Madam / Sir,

I, the under signed directress of Kiran Niketan Social Centre, pleased to inform you that, Parvatibai Chowgule College student of F.Y.B.A Miss Maria Reha Enrolment No. AU180204, has worked as tutor in our Kiran Niketan Social Centre, in Zuarinagar Goa for a duration of 120 hours. The student practiced and got exposed to various activities. During her stay here she was kind towards the children, sincere and obedient in her attitude.

Yours sincerely,

Sr. Phileshin D'souza
Sr. Phileshin D'souza sfn
(Directress of Kiran Niketan)

KIRAN NIKETAN SOCIAL CENTRE
BRANCH - HOLY FAMILY CONGREGATION
ZUARINAGAR - BIRLA - GOA.



GOAN FOOTBALL CLUB PRIVATE LIMITED

FC Goa House, H. No. 850, Off N.H.17,
Porvorim North, Goa GA 403521 IN

CIN : U92412GA2014PTC007496
e-mail : info@fcgoa.in

5th April 2019

Certificate of Appreciation

Dear Ms. Maria Vieira,

On behalf of Goan Football Club Private Limited, we would like to extend our sincere appreciation to you volunteering as a Hostess for the full season of Indian Super League (2018 – 2019).

Thank you for your commitment and dedication.

We wish you all the best in your future endeavours.

For GOAN FOOTBALL CLUB PRIVATE LIMITED

A handwritten signature in black ink, appearing to read 'Nawal G Karkal'.

Nawal G Karkal
Head of Human Resources





Parvatibai Chowgule College of Arts & Science (Autonomous)

Accredited by NAAC with Grade 'A' (CGPA of 3.41 on a 4 point scale)

Best Affiliated College-Goa University, Silver Jubilee Year Award

This is to certify that Mr./Ms. KARTIK REDKAR has successfully completed a 45 hour equivalent certificate course in "Data Computation in Applied Biological Sciences" organised by the Department of Zoology of Parvatibai Chowgule College of Arts & Science held from 9th May 2019 to 22nd May 2019. The participant has been trained in Hypothesis Testing, ANOVA Analysis and Generalised Linear Modelling.

Dr. Nandini Vaz Fernandes
HOD Zoology
Parvatibai Chowgule College


Mr. Stephen Jonah Dias
Course Co-ordinator
Parvatibai Chowgule College


Dr. Nandkumar Sawant
Principal
Parvatibai Chowgule College



Parvatibai Chowgule College of Arts & Science (Autonomous)

Accredited by NAAC with Grade 'A' (CGPA of 3.41 on a 4 point scale)

Best Affiliated College-Goa University, Silver Jubilee Year Award

This is to certify that Mr./Ms. JESSICA FURTADO has successfully completed a 45 hour equivalent certificate course in “Data Computation in Applied Biological Sciences” organised by the Department of Zoology of Parvatibai Chowgule College of Arts & Science held from 9th May 2019 to 22nd May 2019. The participant has been trained in Hypothesis Testing, ANOVA Analysis and Generalised Linear Modelling.

Dr. Nandini Vaz Fernandes
HOD Zoology
Parvatibai Chowgule College

Mr. Stephen Jonah Dias
Course Co-ordinator
Parvatibai Chowgule College

Dr. Nandkumar Sawant
Principal
Parvatibai Chowgule College



Parvatibai Chowgule College of Arts & Science (Autonomous)

Accredited by NAAC with Grade 'A' (CGPA of 3.41 on a 4 point scale)

Best Affiliated College-Goa University, Silver Jubilee Year Award

This is to certify that **Mr./Ms. ANOUSKA MASCARENHAS** has successfully completed a 45 hour equivalent certificate course in “Data Computation in Applied Biological Sciences” organised by the Department of Zoology of Parvatibai Chowgule College of Arts & Science held from 9th May 2019 to 22nd May 2019. The participant has been trained in Hypothesis Testing, ANOVA Analysis and Generalised Linear Modelling.

Dr. Nandini Vaz Fernandes
HOD Zoology
Parvatibai Chowgule College

Mr. Stephen Jonah Dias
Course Co-ordinator
Parvatibai Chowgule College

Dr. Nandkumar Sawant
Principal
Parvatibai Chowgule College



Parvatibai Chowgule College of Arts & Science (Autonomous)

Accredited by NAAC with Grade 'A' (CGPA of 3.41 on a 4 point scale)

Best Affiliated College-Goa University, Silver Jubilee Year Award

This is to certify that Mr./Ms. RIZELL BARRETTO has successfully completed a 45 hour equivalent certificate course in "Data Computation in Applied Biological Sciences" organised by the Department of Zoology of Parvatibai Chowgule College of Arts & Science held from 9th May 2019 to 22nd May 2019. The participant has been trained in Hypothesis Testing, ANOVA Analysis and Generalised Linear Modelling.

Dr. Nandini Vaz Fernandes
HOD Zoology
Parvatibai Chowgule College

Mr. Stephen Jonah Dias
Course Co-ordinator
Parvatibai Chowgule College

Dr. Nandkumar Sawant
Principal
Parvatibai Chowgule College



Parvatibai Chowgule College of Arts & Science (Autonomous)

Accredited by NAAC with Grade 'A' (CGPA of 3.41 on a 4 point scale)

Best Affiliated College-Goa University, Silver Jubilee Year Award

This is to certify that Mr./Ms. KENDRICK FERNANDES has successfully completed a 45 hour equivalent certificate course in “Data Computation in Applied Biological Sciences” organised by the Department of Zoology of Parvatibai Chowgule College of Arts & Science held from 9th May 2019 to 22nd May 2019. The participant has been trained in Hypothesis Testing, ANOVA Analysis and Generalised Linear Modelling.

Dr. Nandini Vaz Fernandes
HOD Zoology
Parvatibai Chowgule College

Mr. Stephen Jonah Dias
Course Co-ordinator
Parvatibai Chowgule College

Dr. Nandkumar Sawant
Principal
Parvatibai Chowgule College



Parvatibai Chowgule College of Arts & Science (Autonomous)

Accredited by NAAC with Grade 'A' (CGPA of 3.41 on a 4 point scale)

Best Affiliated College-Goa University, Silver Jubilee Year Award

This is to certify that Mr./Ms. ANTARA POI RAITURKER has successfully completed a 45 hour equivalent certificate course in "Data Computation in Applied Biological Sciences" organised by the Department of Zoology of Parvatibai Chowgule College of Arts & Science held from 9th May 2019 to 22nd May 2019. The participant has been trained in Hypothesis Testing, ANOVA Analysis and Generalised Linear Modelling.

Dr. Nandini Vaz Fernandes
HOD Zoology
Parvatibai Chowgule College

Mr. Stephen Jonah Dias
Course Co-ordinator
Parvatibai Chowgule College

Dr. Nandkumar Sawant
Principal
Parvatibai Chowgule College



Parvatibai Chowgule College of Arts & Science (Autonomous)

Accredited by NAAC with Grade 'A' (CGPA of 3.41 on a 4 point scale)

Best Affiliated College-Goa University, Silver Jubilee Year Award

This is to certify that Mr./Ms. RUSHAD NAIK has successfully completed a 45 hour equivalent certificate course in "Data Computation in Applied Biological Sciences" organised by the Department of Zoology of Parvatibai Chowgule College of Arts & Science held from 9th May 2019 to 22nd May 2019. The participant has been trained in Hypothesis Testing, ANOVA Analysis and Generalised Linear Modelling.

Dr. Nandini Vaz Fernandes
HOD Zoology
Parvatibai Chowgule College

Mr. Stephen Jonah Dias
Course Co-ordinator
Parvatibai Chowgule College

Dr. Nandkumar Sawant
Principal
Parvatibai Chowgule College

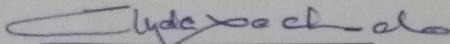
08th December 2018

CERTIFICATE

This is to certify that **Ms. Neeha Sinai Borker**, student of Parvatibai Chowgule College of Arts and Science has successfully completed her internship at Suburban Diagnostics (I) Pvt Ltd, Goa, Margao Branch, from 19th November 2018 to 07th December 2018.

She was found punctual, regular, sincere and hardworking during the internship period and showed a keen interest in leaning independently. A thorough induction of various departments like Phlebotomy, Haematology, Biochemistry, Serology and Clinical Pathology was conducted.

This certificated has been issued to furnish before Parvatibai Chowgule College of Arts and Science.



Clyde Machado
Business Head
Suburban Diagnostics (I) Pvt Ltd
Goa Margao





Parvatibai Chowgule College of Arts & Science (Autonomous)

Accredited by NAAC with Grade 'A' (CGPA of 3.41 on a 4 point scale)

Best Affiliated College-Goa University, Silver Jubilee Year Award

This is to certify that Mr./Ms. SAURAV SATTARKER has successfully completed a 45 hour equivalent certificate course in "Data Computation in Applied Biological Sciences" organised by the Department of Zoology of Parvatibai Chowgule College of Arts & Science held from 9th May 2019 to 22nd May 2019. The participant has been trained in Hypothesis Testing, ANOVA Analysis and Generalised Linear Modelling.

Dr. Nandini Vaz Fernandes
HOD Zoology
Parvatibai Chowgule College

Mr. Stephen Jonah Dias
Course Co-ordinator
Parvatibai Chowgule College

Dr. Nandkumar Sawant
Principal
Parvatibai Chowgule College



Parvatibai Chowgule College of Arts & Science (Autonomous)

Accredited by NAAC with Grade 'A' (CGPA of 3.41 on a 4 point scale)

Best Affiliated College-Goa University, Silver Jubilee Year Award

This is to certify that **Mr./Ms. RIZELIA RODRIGUES** has successfully completed a 45 hour equivalent certificate course in “Data Computation in Applied Biological Sciences” organised by the Department of Zoology of Parvatibai Chowgule College of Arts & Science held from 9th May 2019 to 22nd May 2019. The participant has been trained in Hypothesis Testing, ANOVA Analysis and Generalised Linear Modelling.

Dr. Nandini Vaz Fernandes
HOD Zoology
Parvatibai Chowgule College

Mr. Stephen Jonah Dias
Course Co-ordinator
Parvatibai Chowgule College

Dr. Nandkumar Sawant
Principal
Parvatibai Chowgule College



Parvatibai Chowgule College of Arts And Science

Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a Point Scale in 3rd cycle)

Best affiliated College-Goa University Silver Jubilee Year Award

Organized



TWO DAY WORKSHOP ON **GIS & Remote Sensing**

UNDER STAR DBT SCHEME

Certificate

Maxton C. De Souza

This is to certify that Mr./Miss. Maxton C. De Souza
from Parvatibai Chowgule College, Margao - Goa has completed two day workshop on **GIS & Remote Sensing** organized by Dept. of Geography and Research Centre, Parvatibai Chowgule College of Arts and Science, Margao - Goa (Autonomous) under Department of Biotechnology, in DST Government of India, on 16th and 17th March 2019.

Dr. Sanjay Gaikwad

Star DBT Co-ordinator,
Dept. of Geography

Dr. Nandkumar Sawant

Principal
Parvatibai Chowgule College
Margao - Goa

Mr. Venkatesh G. Prabhugaonkar

Course Instructor,
Dept. of Geography



Shubhankar Environmental Services

Reg. Address: H. No. 202, Nandanvan Residency, Patantali, Ponda, Goa 403401
Contact No. 9403687112/ 7263018459 Email: shubhankar.enviro@gmail.com

Date: 13/02/2019

Letter of Commendation

This is to certify that Marlon Cristiano De Sousa, student of Parvatibai Chowgule College of Arts & Science, Margao - Goa, has successfully completed an Internship for 40 hours at Shubhankar Environmental Services 10- 19th November 2018.

The Intern worked on a Participatory Green Audit of the College and was part of the Biodiversity Audit group.

During the Internship, the Student was introduced to the Concept of Green Audit, its need and importance, and the role that students can play in conserving the Environment.

The Student carried out the following tasks:

- Studying overall status of biodiversity within the College Campus
- Detailed Inventorization of the Floral/Faunal Biodiversity in the College Campus including identification, digital and photo documentation.

During the Internship, he has worked sincerely on the assigned tasks. We wish him every success and hope that he acts in an environmentally responsible manner forever.

(Apoorva Apte)

Proprietor,

Shubhankar Environmental Services



Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No.

This is to certify that Ms/Mr. UMA PEDNEKAR has undergone internship in **Genetic Techniques** involving Phlebotomy, ~~Karyotyping of human chromosomes~~ at Genetic Research Lab ^{at} DR. RAIKAR LAB. for a period of 90 hours in Oct-Nov/April-May 2018/2019.

Dr. Nandini Vaz Fernandes
Course Co-ordinator

Date of issue: July 2019



Dr. Nandkumar Sawant
Principal



Shubhankar Environmental Services

Reg. Address: H. No. 202, Nandanvan Residency, Patantali, Ponda, Goa 403401
Contact No. 9403687112/ 7263018459 **Email:** shubhankar.enviro@gmail.com

Date: 13/02/2019

Letter of Commendation

This is to certify that Uma Hari Pednekar, student of Parvatibai Chowgule College of Arts & Science, Margao - Goa, has successfully completed an Internship for 40 hours at Shubhankar Environmental Services 10- 19th November 2018.

The Intern worked on a Participatory Green Audit of the College and was part of the Biodiversity Audit group.

During the Internship, the Student was introduced to the Concept of Green Audit, its need and importance, and the role that students can play in conserving the Environment.

The Student carried out the following tasks:

- Studying overall status of biodiversity within the College Campus
- Detailed Inventorization of the Floral/Faunal Biodiversity in the College Campus including identification, digital and photo documentation.

During the Internship, she has worked sincerely on the assigned tasks. We wish her every success and hope that she acts in an environmentally responsible manner forever.

(Apoorva Apte)

Proprietor,

Shubhankar Environmental Services



Parvatibai Chowgule College of Arts and Science

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Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. **19-19**

This is to certify that Ms/Mr. **Kimberly alda Fernandes** has undergone internship in ~~Genetic Techniques involving~~ Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and **Divine Medical** for a period of **157** hours in Oct-Nov//April-May **2018/2019**.

Dr. Nandini Vaz Fernandes
Course Co-ordinator



Dr. Nandkumar Sawant
Principal

Date of issue: July 2019



Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. 18-01

This is to certify that Ms/Mr. Elvica Coutinho has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and Techno-Clin Lab for a period of 157 hours in Oct-Nov/April-May 2018/2019.

Dr. Nandini Vaz Fernandes
Course Co-ordinator



Dr. Nandkumar Sawant
Principal

Date of issue: July 2019

08th December 2018

CERTIFICATE

This is to certify that **Ms. Flynna Rosvilla Andrade**, student of Parvatibai Chowgule College of Arts and Science has successfully completed her internship at Suburban Diagnostics (I) Pvt Ltd, Goa, Margao Branch, from 19th November 2018 to 07th December 2018.

She was found punctual, regular, sincere and hardworking during the internship period and showed a keen interest in leaning independently. A thorough induction of various departments like Phlebotomy, Haematology, Biochemistry, Serology and Clinical Pathology was conducted.

This certificated has been issued to furnish before Parvatibai Chowgule College of Arts and Science.



Clyde Machado
Business Head
Suburban Diagnostics (I) Pvt Ltd
Goa Margao




SIDAD'S
Pathology Laboratory

First Floor, Left Wing, Chase Chambers, Swatantra Path, Vasco-da-Gama, Goa. Tel. 91832 2501316 e-mail: sidads@hotmail.com

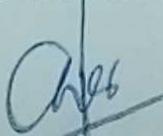
Dr. Anand Thakur MD (Path), AFIH

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Ashish Kumar Yadav**, studying in Parvatibai Chowgule College of Arts and Science Autonomus, currently persuing First year BSc in Zoology has satisfactorily completed his internship for the period of 3 weeks from 20 November 2018 to 8 December 2018 in the various departments, Haematology, Biochemistry, Serology, Microbiology, Clinical Pathology and Cytology at Sidads Pathology Laboratory.

He has been also introduced to the operational aspect of the laboratory and briefed on Quality Control Practices.

We wish him the very best for his future endeavors.



Dr Anand Thakur

Consultant Pathologist & Director


SIDAD'S
laboratorio patologico
Dr. Anand Thakur, M.D.
Chase Chambers, Swatantra Path,
Vasco-da-Gama, Goa
Phone +91 832 501316



DR. RAIKER'S PATHOLOGY LABORATORY

Of 9-11, Anant Dhara, Isidor Baptista Road, Margao-Goa. Ph.: Lab : 2730801 / 02 Res. : 2738065

CERTIFICATE

8th Dec 2018

This is to certify that Ms Shatakshi Bhat, student of Parvatibai Chowgule college of Arts and Science, Margao has successfully completed internship training programme for a total of 120 hrs from 19th November to 7th December 2018 in this laboratory. She has worked satisfactorily in Hematology, Clinical Pathology and Biochemistry.

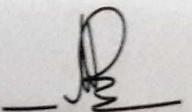
She carried out

1. Cell counts on cell counter
2. Rapid test with diagnostic devices
3. Blood grouping
4. Assisting with making smear, staining and centrifugation,
5. Assisted report deliveries.

During this programme she has worked as a member of our team and has fulfilled our expectations.

Dr. Mohan Pai Raiker
M.D.

Reg. 0803 (GMC)
Dr. RAIKER'S PATHOLOGY LABORATORY,
OF 8, 9, 11, Anantdhara Bldg., Isidore Baptista Road,
Margao, Goa - 403 601.


Dr. Mohan Pai Raiker
M.D.



Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. 19-13

This is to certify that Ms/Mr. Jonathan D'Costa has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and Divine Medical for a period of 157 hours in ~~Oct-Nov~~/April-May 2018/2019.

Dr. Nandini Vaz Fernandes
Course Co-ordinator



Dr. Nandkumar Sawant
Principal

Date of issue: July 2019



Refresher Course
in
Experimental Physics

CERTIFICATE

This is to certify that XAVIER ALLY QUADROS, Parvatibai Chowgule College of Arts and Science, Margao has attended the "Refresher Course in Experimental Physics" held at Goa University from November 12 - 27 2018.


K. R. Priolkar
Course Director

Goa, November 27, 2018



*Refresher Course
in
Experimental Physics*

CERTIFICATE

This is to certify that SANJAY KUMAR TARAI, Parvatibai Chowgule College of Arts and Science, Margao has attended the "Refresher Course in Experimental Physics" held at Goa University from November 12 - 27 2018.

*K. R. Priolkar
Course Director*

Goa, November 27, 2018



29th Nov 2018

To Whom It May Concern

This is to certify that **Ms. Rukma Kanolkar** did her internship with Prudent Media (Goa) Pvt. Ltd. from 12th Nov 2018 to 28th Nov 2018. During her internship, she worked in the various sections of the organization.

Prudent Media wishes her luck for her future.

Regards

Sonia Kuncalienker
General Manager



29th Nov 2018

To Whom It May Concern

This is to certify that **Ms. Valusha Fernandes** did her internship with Prudent Media (Goa) Pvt. Ltd. from 12th Nov 2018 to 28th Nov 2018. During her internship, she worked in the various sections of the organization.

Prudent Media wishes her luck for her future.

Regards

Sonia Kuncalienker
General Manager

**KIRAN NIKETAN SOCIAL CENTRE
ZUARINAGAR - GOA 403 276**

Date: 30.11.2018

To,
The Principle,
Parvatibai Chowgule College,
Gogol Margao - Goa.

**Sub: Voluntary 120 hours of field work completed as per the
curriculum by F.Y.B.A Student.**

Respected Madam / Sir,

I, the under signed directress of Kiran Niketan Social Centre, pleased to inform you that, Parvatibai Chowgule College student of F.Y.B.A Miss Maria Reha Enrolment No. AU180204, has worked as tutor in our Kiran Niketan Social Centre, in Zuarinagar Goa for a duration of 120 hours. The student practiced and got exposed to various activities. During her stay here she was kind towards the children, sincere and obedient in her attitude.

Yours sincerely,

Sr. Phileshin D'souza
Sr. Phileshin D'souza sfn
(Directress of Kiran Niketan)

**KIRAN NIKETAN SOCIAL CENTRE
BRANCH - HOLY FAMILY CONGREGATION
ZUARINAGAR - BIRLA - GOA.**



Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. 101

This is to certify that Mr. / Ms. HEERA B. S. KOSSAMBE has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and MOTHER CARE hospital for a period of 120 hours in November/ December 2018.

Dr. Nandini Vaz Fernandes
Course Co-Ordinator

Date of issue: 15TH June 2019

Dr. Nandkumar Sawant
Principal

7th December 2018

VH/HR/18/

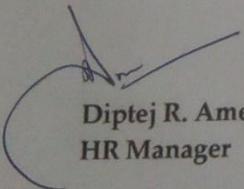
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Mercy Lourdes Travassos**, a student of Parvatibai Chowgule College of Arts and Science, Gogol, Goa perusing her BSC - First Year has successfully completed her Internship in the Laboratory Department from 20th November 2018 to 7th December 2018.

During the Internship period she was very punctual at work and has taken keen interest in the work assigned to her.

We wish her the very best in her future endeavors.

For VICTOR HOSPITALS,



Diptej R. Amerkar
HR Manager





Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. **111**

This is to certify that Mr. / Ms. **MERCY LOURDES TRAVASSOS** has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and **VICTOR** hospital for a period of **135** hours in November/ December **2018** .

Dr. Nandini Vaz Fernandes
Course Co-Ordinator

Date of issue: 15TH June 2019

Dr. Nandkumar Sawant
Principal



Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. 107

This is to certify that Mr. / Ms. PRISFA AMEENA NORONHA has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and DIVINE MEDICAL CENTRE hospital for a period of 120 hours in November/ December 2018.

Dr. Nandini Vaz Fernandes
Course Co-Ordinator

Dr. Nandkumar Sawant
Principal

Date of issue: 15TH June 2019



Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. **103**

This is to certify that Mr. / Ms. SHIVANI BEKHI has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and TECHNO CLIN LAB hospital for a period of 120 hours in November/ December 2018.

Dr. Nandini Vaz Fernandes
Course Co-Ordinator

Date of issue: 15TH June 2019

Dr. Nandkumar Sawant
Principal

Dr. N. V. Markande
M.B.B.S., M.D. DPB.
Consultant Pathologist & Bacteriologist
Retd.: Sr. Pathologist Asilo Hospital / DHS
GMC Reg. No.: 0423



TECHNO - CLIN

Pathological & Research Laboratory
(CMC Vellore accreditation)
Authorised Collection Centre Dr. Lal Pathlabs, Metropolis, Thyrocare, geneOmbio & SRL Relligare
General Diagnostics & Medcis Labs

TC/INTERNSHIP/PVCASA/11-12/2018/01

CERTIFICATE

This is to certify that, Miss Shivani Bekhi, B.Sc. student, Parvatibai Chowgule College of Arts and Science has successfully completed internship at this Laboratory. The duration of internship was from 19th November to 07th December 2018.

Miss Shivani was found punctual, regular, sincere and hardworking during the internship and taken keen interest in learning independently (theoretically and practically). She has undergone preliminary training in phlebotomy, routine blood, stool, urine and other pathological samples like body fluids, sputum, semen, pus etc. Biochemical investigations were carried out on automated, semi-automated and calorimetric techniques.

This certificate is issued to furnish before Parvatibai Chowgule College of Arts and Science Autonomous Authority.


Dr. N.V. Markande

Pathologist and Bacteriologist


Dr. Sanat R. Joshi

Microbiologist

On this day 8th November 2018

At Vasco- Da-Gama, Goa: 403802



Parvatibai Chowgule College of Arts & Science (Autonomous)

Accredited by NAAC with Grade 'A' (CGPA of 3.41 on a 4 point scale)
Best Affiliated College-Goa University, Silver Jubilee Year Award



Directorate of
Higher Education

This is to certify that **Mr./Ms. Shivani Behki** has successfully completed a 45 hour equivalent certificate course in "Wildlife Monitoring Techniques" organised by the Department of Zoology of Parvatibai Chowgule College of Arts & Science in association with the "Directorate of Higher Education, Government of Goa" held from 05th to 12th December 2019. The lectures and field sessions were delivered by eminent personnel of the Forest Department, experienced wildlife biologists and competent faculty of Chowgule College.

Mr. Stephen Dias
Co-ordinator
Parvatibai Chowgule College

Dr. Nandini Vaz Fernandes
Co-ordinator & HOD Zoology
Parvatibai Chowgule College

Dr. Nandkumar Sawant
Principal
Parvatibai Chowgule College



Malbhat, Margao, Goa 403 601, India.
Tel.: (+91 832) 672 - 8888 E-mail: info@victorhospital.com
Website: www.victorhospital.com

VH/HR/18/

7th December 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Vevina Milena Oliveira, a student of Parvatibai Chowgule College of Arts and Science, Gogol, Goa perusing her BSC - First Year has successfully completed her Internship in the Laboratory Department from 20th November 2018 to 7th December 2018.

During the Internship period she was very punctual at work and has taken keen interest in the work assigned to her.

We wish her the very best in her future endeavors.

For VICTOR HOSPITALS,


Diptej R. Amerkar
HR Manager



A unit of Victor Hospitals & Medical Services Ltd.
Regd. Office: Alcon Chambers, D. B. Marg, Panaji, Goa- 403001
Tel: (+91 832) 671-5555 Email: info@alconvictorgroup.com Website: www.alconvictorgroup.com
CIN: U85110GA2000PLC002896





Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. 19-18

This is to certify that ~~Ms/Mr.~~ Advinson D'souza has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and Divine Medical for a period of 150 hours in ~~Oct-Nov/April-May~~ 2018/2019. Oct - Nov 2018


Dr. Nandini Vaz Fernandes
Course Co-ordinator




Dr. Nandkumar Sawant
Principal

Date of issue: July 2019



Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. 19-15

This is to certify that Ms/Mr. Pearl Vaz has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and Divine Medical for a period of 150 hours in ~~Oct-Nov~~/April-May 2018/2019.

Dr. Nandini Vaz Fernandes
Course Co-ordinator

Date of issue: July 2019



Dr. Nandkumar Sawant
Principal



Parvatibai Chowgule College of Arts and Sciences

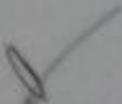
Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

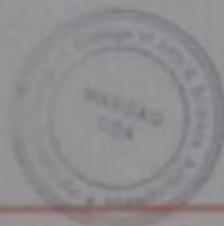
Sr. No. 72

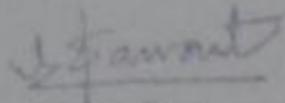
This is to certify that Mr. / Ms. Prabli Nayak has undergone
internship in **Pathological Techniques** involving Phlebotomy, routine analysis of blood
and urine at Genetic Research Lab and Divine Medical Center hospital
for a period of 132 hours in November / May _____.


Dr. Nandini Vaz Fernandes
Course Co-ordinator

Date of issue:

18/10/2013




Dr. Nandkumar Sawant
Principal



excellence in healthcare
...since 1995

Ph.: (0832) 2714203

Timings: 7.30 a.m. to 1.30 p.m.
3.00 p.m. to 6.30 p.m.

2nd Floor, Heera Niketan,
Above Saraswat Bank,
Comba, Margao - Goa 403 601

CERTIFICATE

This is to certify that, Miss Quelifa Ageema Gomes, B.Sc. student, Parvatibai Chowgule College of Arts and Science has successfully completed internship at this laboratory. The duration of internship was from 19th November to 07th December 2018.

Miss Quelifa was found punctual, regular, sincere and hardworking during the internship and taken keen interest in learning independently (theoretically and practically), she has undergone preliminary training in phlebotomy, routine blood, stool, urine and other pathological samples like body fluids, sputum, semen, pus etc. Biochemical investigations were carried out on automated, semi-automated and calorimetric techniques.

This certificate is issued to furnish before Parvatibai Chowgule College of Arts and Science Autonomous Authority

Mr. Atul Pai Panandiker

M sc. (Biochem) M.L.T.C

ATUL'S CLINICAL LAB
2nd Floor, Heera Niketan
Above Saraswat Bank
MARGAO - GOA 403 601

On This day 8th December 2018

At Comba -Margaon , Goa: 403501

This is a laboratory test report for the consumption of the treating physician to correlate clinically*



Parvatibai Chowgule College of Arts and Science

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Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. 109

This is to certify that Mr. / Ms. QUELIFA AGEEMA GOMES has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and ATUL'S CLINICAL LAB hospital for a period of 120 hours in November/ December 2018.

Dr. Nandini Vaz Fernandes
Course Co-Ordinator

Dr. Nandkumar Sawant
Principal

Date of issue: 15TH June 2019



Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award

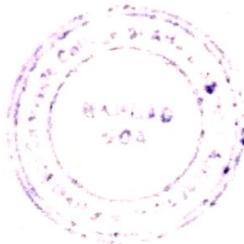


INTERNSHIP CERTIFICATE

Sr. No. 18-03

This is to certify that Ms/Mr. Riya Gaunekar has undergone internship in **Genetic Techniques** involving Phlebotomy, ~~Karyotyping of human chromosomes~~ at Genetic Research Lab and Dr. Mahesh Raikar for a period of 157 hours in Oct-Nov/April-May 2018/2019.

Dr. Nandini Vaz Fernandes
Course Co-ordinator



Dr. Nandkumar Sawant
Principal

Date of issue: July 2019



Parvatibai Chowgule College of Arts and Science

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INTERNSHIP CERTIFICATE

Sr. No. 18-01

This is to certify that Ms/Mr. Fabha Shaik has undergone internship in **Genetic Techniques** involving Phlebotomy, ~~Karyotyping of human chromosomes~~ at Genetic Research Lab and Dr. Mahesh Raiker for a period of 157 hours in Oct-Nov/April-May 2018/2019.

Dr. Nandini Vaz Fernandes
Course Co-ordinator



Dr. Nandkumar Sawant
Principal

Date of issue: July 2019



Parvatibai Chowgule College of Arts and Science

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INTERNSHIP CERTIFICATE

Sr. No. **112**

This is to certify that Mr. / Ms. **ASHISH KUMAR YADAV** has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and **SIDADS LAB** hospital for a period of **120** hours in November/ December **2018** .

Dr. Nandini Vaz Fernandes
Course Co-Ordinator

Date of issue: 15TH June 2019

Dr. Nandkumar Sawant
Principal


SIDAD's
Pathology Laboratory

First Floor, Left Wing, Chase Chambers, Swatantra Path, Vasco-da-Gama, Goa, Tel.: 91832 2501316 e-mail: sidads@hotmail.com

Dr. Anand Thakur MD (Path), AFIH

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Ashish Kumar Yadav**, studying in Parvatibai Chowgule College of Arts and Science Autonomus, currently persuing First year BSc in Zoology has satisfactorily completed his internship for the period of 3 weeks from 20 November 2018 to 8 December 2018 in the various departments, Haematology, Biochemistry, Serology, Microbiology, Clinical Pathology and Cytology at Sidads Pathology Laboratory.

He has been also introduced to the operational aspect of the laboratory and briefed on Quality Control Practices.

We wish him the very best for his future endeavors.



Dr Anand Thakur

Consultant Pathologist & Director

08th December 2018

CERTIFICATE

This is to certify that **Ms. Flynna Rosvilla Andrade**, student of Parvatibai Chowgule College of Arts and Science has successfully completed her internship at Suburban Diagnostics (I) Pvt Ltd, Goa, Margao Branch, from 19th November 2018 to 07th December 2018.

She was found punctual, regular, sincere and hardworking during the internship period and showed a keen interest in leaning independently. A thorough induction of various departments like Phlebotomy, Haematology, Biochemistry, Serology and Clinical Pathology was conducted.

This certificated has been issued to furnish before Parvatibai Chowgule College of Arts and Science.



Clyde Machado
Business Head
Suburban Diagnostics (I) Pvt Ltd
Goa Margao





DR. ABHIJIT'S FETAL MEDICINE AND INFERTILITY CENTRE

Ultrasound | Fetal Medicine | Genetics | Infertility | IVF

Heritage Princes Complex,
Opp. Almeida High School,
Old Bus Stand, Ponda - Goa.

Ph. (0832) 2319291 | Mob.: 7083224953

dr.abhijitkamat@gmail.com

www.infertilityfetalmedicine.com

Dated: 30/11/2018

TO WHOM IT MAY CONCERN

This is to certify that Mr. Kartik Redkar has successfully completed two weeks of internship cum observership at my centre.

He has observed and participated in Ultrasound scans and genetic counselling.

He has fulfilled the requirements and gained insight in ultrasound and assisted reproductive techniques.

His conduct has been excellent throughout.

Dr. Abhijit Kamat, M.D.



Shop No.C-9, Upper Ground Floor, C Wing, DK Arcade, Behind Menino Hotel, Nr. Old Bus Stand, Sadar, Ponda-Goa. 403 401. Ph.: 2311299. Mob: 9421256941

Mrs. Varsha A. Shikerkar
B.Sc. (Micro-Biology), PGDCGMLT (Goa University)

TIMING : Mon-Sat 24 Hours Open
Closed : Sunday 11.00a.m. to Monday 7.00a.m.

Date: 17 /11 /2018

TO WHOM IT MAY CONCERN

This is to certify that Mr.Kartik Ramesh Redkar, student of Parvatibai Chowgule College of Arts and Science, Margao has successfully completed internship training programme for total of 120 hours from 30th October to 17th November 2018 in our laboratory. He has worked satisfactorily in hematology, clinical pathology and biochemistry.

He carried out

1. Cell counts on cell counter
2. Rapid test with diagnostic devices
3. Blood grouping
4. Assisted with making smear, staining and centrifugation
5. Setting up bacterial cultures and establishing the sensitivities for the same.

During this programme he has worked as a member of our team and has fulfilled our expectations.

Varsha A. Shikerkar

Mrs. Varsha A. Shikerkar,

Shriprasad Diagnostic laboratory.

Shriprasad Diagnostic Laboratory
Shop No. C-9, D.K. Arcade
Ponda-Goa

08th December 2018

CERTIFICATE

This is to certify that **Ms. Neeha Sinai Borker**, student of Parvatibai Chowgule College of Arts and Science has successfully completed her internship at Suburban Diagnostics (I) Pvt Ltd, Goa, Margao Branch, from 19th November 2018 to 07th December 2018.

She was found punctual, regular, sincere and hardworking during the internship period and showed a keen interest in leaning independently. A thorough induction of various departments like Phlebotomy, Haematology, Biochemistry, Serology and Clinical Pathology was conducted.

This certificated has been issued to furnish before Parvatibai Chowgule College of Arts and Science.



Clyde Machado
Business Head
Suburban Diagnostics (I) Pvt Ltd
Goa Margao





Parvatibai Chowgule College of Arts and Science

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Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. **104**

This is to certify that Mr. / Ms. NEEHA SINAI BORKER has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and SUBURBAN DIAGNOSTICS hospital for a period of 120 hours in November/ December 2018.

Dr. Nandini Vaz Fernandes
Course Co-Ordinator

Date of issue: 15TH June 2019

Dr. Nandkumar Sawant
Principal

DR. RAIKER'S PATHOLOGY LABORATORY

Of 9-11, Anant Dhara, Isidor Baptista Road, Margao-Goa. Ph.: Lab : 2730801 / 02 Res. : 2738065

CERTIFICATE

8th Dec 2018

This is to certify that Ms Shatakshi Bhat, student of Parvatibai Chowgule college of Arts and Science, Margao has successfully completed internship training programme for a total of 120 hrs from 19th November to 7th December 2018 in this laboratory. She has worked satisfactorily in Hematology, Clinical Pathology and Biochemistry.

She carried out

1. Cell counts on cell counter
2. Rapid test with diagnostic devices
3. Blood grouping
4. Assisting with making smear, staining and centrifugation,
5. Assisted report deliveries.

During this programme she has worked as a member of our team and has fulfilled our expectations.

Dr. Mohan Pai Raiker
M.D.

Reg. 0803 (GMC)
Dr. RAIKER'S PATHOLOGY LABORATORY,
Of 9, 11, Anantdhara Bldg., Isidore Baptista Road,
Margao, Goa - 403 601.



Dr. Mohan Pai Raiker
M.D.



Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. **108**

This is to certify that Mr. / Ms. SHATAKSHI BHAT has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and DR. MOHAN RAIKAR LAB hospital for a period of 120 hours in November/ December 2018 .

Dr. Nandini Vaz Fernandes
Course Co-Ordinator

Dr. Nandkumar Sawant
Principal

Date of issue: 15TH June 2019



WOMENITE

(Registered Under the Society Registration Act. XXI of 1860)

Office: NS-7, Upper ground floor, Mianwali Nagar, New Delhi - 110087

17th November 2020

CERTIFICATE OF INTERNSHIP

This is to certify that **Ms. Antara Poi Raiturkeris** hereby recognized for working with Womenite as a Fundraiser **in the month of November'20.**

She has completed the following errands with great diligence:

- Played an active role to spread our **End Period Poverty** campaign.
- Raised funds to distribute sanitary napkins (sustainable menstrual hygiene solutions) to underprivileged women and girls.

We were impressed with the commitment, exertion and ownership shown. We congratulate her for successful completion of her term and wish her a great career ahead.

Best Regards,

Harshit

Harshit Gupta
(Founder)

Womenite aims to create an equal society through education, love and empowerment.



Parvatibai Chowgule College of Arts and Science

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



INTERNSHIP CERTIFICATE

Sr. No. 18-01

This is to certify that Ms/Mr. Elvica Coutinho has undergone internship in **Genetic Techniques** involving Phlebotomy, Karyotyping of human chromosomes at Genetic Research Lab and Techno-Clin Lab for a period of 157 hours in Oct-Nov/April-May 2018/2019.

Dr. Nandini Vaz Fernandes
Course Co-ordinator

Date of issue: July 2019



Dr. Nandkumar Sawant
Principal

ETIOLOGY OF IMPAIRED RENAL FUNCTION IN CANACONA TALUKA

**A project report submitted in partial fulfillment of the requirement
for the degree of**

**Bachelor of Science
In
ZOOLOGY**

By:

- 1.Mr. Jishnu Ravindran**
- 2.Mr. Jagdish Alias Reuben Arvind Rajadhyaksha**
- 3.Ms. Tyween Jia Coutinho**
- 4. Ms. Roshell Rossi Fernandes**
- 5. Ms. Yashashree Gajanan Asolkar**

**Under the supervision of
Dr. NANDINI VAZ FERNANDES**

PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE

(AUTONOMOUS)

MARGAO GOA - 403601

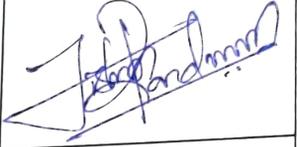


BSc ZOOLOGY

2018-2019

DECLARATION

We declare that this project has been prepared by us and to the best of our knowledge, it has not previously formed the basis for the award of any diploma or degree by any other University.

Roll No.	Name	Signature
SU160112	Jishnu Ravindran	
SU160152	Jagdish Alias Reuben Arvind Rajadhyaksha	
SU160320	Tyween Jia Coutinho	
SU160147	Roshell Rossi Fernandes	
SU160085	Yashashree Gajanan Asolkar	

STUDY OF SOME ASPECTS OF HORMONAL IMBALANCE IN HUMAN SAMPLE POPULATION OF GOA

**A project report submitted in partial fulfilment of the requirement for the
degree of**

**BACHELOR OF SCIENCE
IN
ZOOLOGY**

By:

MS. AUSTINA BARBOSA

MS ALITHIA L. GOMES

MS DICEMA DIAS

MS GEZELEE F. FERNANDES

MS. PLANSY J. DIAS

Under the supervision of

DR. NANDINI VAZ FERNANDES

**PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

MARGAO GOA- 402602



2018-2019

DECLARATION

We declare that this project has been prepared by us and to the best of our knowledge; it has not previously formed the basis for the award of any diploma or degree by any other University.

ROLL NO:	NAME	SIGNATURE
SU160141	DICEMA DIAS	
SU160281	AUSTINA BARBOSA	
SU160302	PLANSY J. DIAS	
SU160368	GEZELEE F. FERNANDES	
SU160383	ALITHIA L. GOMES	