

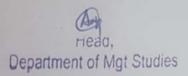
Committee Activity Report for Industrial Exhibition

Activity No.	11
Activity Title	Automation EXPO 2017
Activity Co- ordinated By:	Mr. M. Arokiaswamy, Managing Director, IED Communications Ltd
Activity Details Day/s:	4
Date/s :	09/08/2017 to 12/08/2017
Venue:	Bombay Convention & Exhibition Centre, Goregaon(East), Mumbai, India
Activity Description	The events conducted in Expo 2017 were: CEO Summit - 09/08/2017 Pharma Conference - 09/08/2017 IIoT Conference - 10/08/2017 Machine Safety Interactive Session - 10/08/2017 MSME Summit - 10/08/2017 Cyber Security Conference - 11/08/2017 Workshop on SIL & Machine Safety - 12/08/2017
Objective of the Activity	 AUTOMATION EXPO is Asia' second largest Automation exhibition showcasing the best available technology, equipment, services, solutions It also deals with know-how- catering to Industrial Automation, Factory Automation, Robotics, Drives and Controls, Logistics, Hydraulics and Pneumatics, Building Automation AUTOMATION EXPO 2017 that was organized by IED Communications Ltd is the biggest Automation show in the South East Asian region with more than 1000 exhibitors and expected over 50,000 industry buyers, peers and experts. Automation is helping companies in every industry become stronger global competitors. To succeed, there is a need of right solution providers, the right technology, and the right expertise. It showcases the full spectrum of Automation technologies and solutions. From traditional industrial applications to new technologies, one can find ways to automate every process in company.
Preparation	 Automation Expo 2017 did its preparation well. Approval of proposal and various other permissions Publicity of the event Expo had an ITPO(India Trade Promotion Organisation) Letter
Speaker/s	



Committee Activity Report for Industrial Exhibition

	Cyber Security Conference: 11th August 2017 Mr. R Sarangapani, Additional General Manager, Mr. Lee Chee Hoe, Cyber Security Consultant for Europe, Global IA Cyber Security Evangelist, Mr. Neeraj Agrawal Associate Director, NPCIL, Mumbai Mr. Panish Hangal, Business Partner-Arka Advisory services Dr. Sithu D Sudarsan, ABB Corporate Research Group Manager Dr. Marlene Ladendorff, Cyber Security Assessor, UAE Mr. Abid Ali, Rockwell Automation, Network & Security, Consultant Manager Workshop on SIL & Machine Safety 12th August 2017 Mr. Mandar Phadke, BE (Instrumentation), University of Bombay
Takeaway	The takeaway shows a fuel to innovation and growth. It enables one to meet many new end-users and emerging companies. The expo provides an exclusive platform for innovators from all over India to demonstrate their works to key decision makers, influencers, and financiers from the Indian engineering, automation, and integration industry. Automation Expo added and created value in the existing business prospects with industry focused pavilions, such as Factory Automation Turnkey Solutions Process Automation and Control Systems Field Instrumentation Electric Automation in Renewable Energy Bus and Wireless Technology Building Automation Hydraulic and Pneumatic
Attendees	The event was attended by about 1000+ participants. Students from Vidyalankar Institute of Technology attended the sessions.
Photographs	





Department of Biomedical Engineering A.Y. 2017-18_EVEN SEM

Activity Name:	Industrial Visit to All India Institute of Physical Medicine and Rehabilitation Center, Haji Ali
Objective/s of activity:	
Scope:	Projects at Final Year Level
Target Audience	SE Biomedical Students
Activity Details:	Venue: All India Institute of Physical Medicine and Rehabilitation Center, Haji Ali Date: 28 th March, 2018 -
Preparation:	The visit was an outcome of the efforts taken by Prof. Neelam Punjabi, Prof. Chaitali Nachane and Prof. Komal Lawand An application to the Director of AIIPMRC requesting for the industrial visit was submitted to the Office of AIIPMRC by Prof. Chaitali Nachane and Prof. Neelam Punjabi. The follow-ups to arrange the entire visit was done by Prof. Chaitali Nachane with the coordinates at the AIIPMRC, Mr. Prabhu and Mr. Indalkar. Once the final date and schedule was given by the institute, the regular lectures of the students in the college were adjusted accordingly. Students were informed about the visit.
Description of activity:	The visit consisted of two parts: - going through various departments in workshop and going through the prosthetic and orthotic section in hospital. In workshop various sections such as smoothing, metal, electroplating sections were shown. The knee and hip joints fabrication according to the requirement of patient were shown and the materials used for the same were mentioned. How the joints are connected using screws, nut and bolts etc. were explained. In electroplating section they explained the coating of various implants. Different upper extremity prosthesis which included elbow, shoulder, terminal devices such as prosthetic hand and lower extremity prosthesis such as prosthetic foot were shown. In orthosis, Ankle Foot Orthosis (AFO), Knee Ankle Foot Orthosis (KAFO), Hip Knee Ankle Foot Orthosis
Takeaways:	(HKAFO) and spinal of thosis were explained. Students well-understood the various types of prosthetic implant and materials used especially for lower limb and upper limb prosthetics. The visit could have been made more effective by giving more time to each department.

	V	I	T	Vidyalahk Institute Technolog
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Department of Biomedical Engineering A.Y. 2017-18_EVEN SEM

Attendees:						
		No. of Students	No. of Parents	No. of Faculty	Total	
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Department of Biomedical Engineering Vidyalankar Institute of Technology, Antop Hill, Wadala (E), Mumbai-37

VIT Vidyslankar Institute of Technology

KEM HOSPITAL VISIT REPORT A.Y. 2017-18_ODD SEM

Activity	Hospital Visit	t to Ana	tomy and Physi	iology Depa	rtment, K	EM hospital (2017-18)		
Name: Objective/s of		The visit was arranged to help the students to understand the various human systems,						
activity:	by seeing the	The visit was arranged to help the students to understand the target by seeing them practically with entire system explained in the Lectures taken by Expert Doctors working in KEM hospital.						
Scope:								
Target	SE Biomedical	SE Biomedical Students						
Audience								
Activity	KEM Hospital, Anatomy Department and Physiology Department							
Details:		Same			Duck C	aianan Nagare, Prof.Koma		
Preparation:	The visit was an outcome of the efforts taken by Prof. Gajanan Nagare, F Lawand. Proposal was send to Principal of the college including the need for the v acceptance of the proposal, the application to the Dean of KEM hospital requires the hospital visit was submitted to the Office of KEM hospital by Prof. Komal Law The follow-ups to arrange the entire visit was done by Prof. Komal Lawand Neelam Punabi with the coordinates at the KEM hospital, Dr. Rashmi Patil (Anatomy Department Devendra Patil (Physiology Department). Once the final dates and schedule was given by the departments of the KEM the regular lectures of the students in the college were adjusted accordingly were informed about the visit. Attendance was compulsory as it is part of the Work Submission and it forms a part of 25 marks viva.					ne need for the visit. After KEM hospital requesting for by Prof. Komal Lawand of. Komal Lawand and Prof natomy Department) and Dr ments of the KEM hospital usted accordingly. Student		
	Work Submissio	in and it	Schedu	le of The Ac	tivity			
escription of	Anatomy Department							
tivity:		T	Торіс	Batc		Batch 2		
	Date Wednesday	Time 1.30p	Skeletal	Dr. Dhaval		Dr. Shobha Gaikwad		
	20 th September 2017	m 2.30 pm	System Muscular System	Dr. Gaikwad	Shobha	Dr. Dhaval Patil		
	Thursday 21 st	1.30p	Respiratory System	Dr. Dhaval	Patil	Dr. Shobha Gaikwad		
	September 2017	2.30	Cardiovascul ar System	Dr. Gaikwad	Shobha	Dr. Dhaval Patil		
	Friday 22 nd	pm 1.30p	Alimentary System	Dr. Dhaval	Patil	Dr. Shobha Gaikwad		
	September 2017	m 2.30	Urinary	Dr. Gaikwad	Shobha	Dr. Dhaval Patil		
	Saturday 23 rd	pm 10.30	System Reproductiv	Dr. Dhaval	Patil	Dr. Shobha Gaikwad		
	September	pm	e System	Dr.	Shobha	Dr. Dhaval Patil		



KEM HOSPITAL VISIT REPORT A.Y. 2017-18_ODD SEM

		ment			
	Date	Tim	e	Торіс	
	26 th September,2	017 12.3	0 to 2.30	Hemoglobin Estimation	
		and the second sec	to 4.30	Total WBC count	
	03 rd October,201		0 to 2.30	Total RBC count	
	00 000001,201		to 4.30	Blood group	
	Activity was condu	isted as par the	time table given	above.	
Takeaways:	Activity was conducted as per the time tuble given up of the Lectures conducted by Students well-understood the various Human Systems by the Lectures conducted by Expert Doctors of KEM Hospital and watching the human parts (cut in different sect and physiological practicals				
	Expert Doctors of and physiological	KEM Hospital al practicals	nd watching the	human parts (cut in allosis	
Attendees:	Expert Doctors of and physiological	KEM Hospital al practicals			
Attendees:	and physiological	KEM Hospital an practicals No. of Parents	No. of Faculty	Total	

Photos:



Prof. Komal Lawand Subject In-charge

HOD (BIOMP)

HoD (plott) Department of Biomedical Engineering Vidyalankar Institute of Technology, Antop Hill, Wadala (E), Mumbai-37.



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Department of Biomedical Engineering A.Y. 2017-18 ODD SEM

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Activity	A.Y. 2017-18_ODD SEM
Name: Objective/	Industrial Visit to All India Institute of Physical Medicine and Rehabilitation Center, Haji Ali
of activity:	The visit was arranged to help the students understand various types of prosthetic implant and materials used especially for lower limb and upper limb prosthetics and fabrication of PTB sockets used in prosthesis and orthosis.
Scope:	Projects at Masters Level
Target Audience	BE Biomedical Students
Activity Details:	All India Institute of Physical Medicine and Rehabilitation Center, Haji Ali on 07 th September, 2017
Preparation	 The visit was an outcome of the efforts taken by Prof. Gajanan Nagare and Prof. Chaitali Nachane. Proposal was send to Principal of the college including the need for the visit. After acceptance of the proposal, the application to the Director of AIIPMRC requesting for the industrial visit was submitted to the Office of AIIPMRC by Prof. Chaitali Nachane and Prof. Priyanka Shrivastava. The follow-ups to arrange the entire visit was done by Prof. Chaitali Nachane with the coordinates at the AIIPMRC, Mr. Prabhu and Mr. Indalkar. Once the final date and schedule was given by the institute, the regular lectures of the students in the college were adjusted accordingly. Students were informed about the visit. Attendance was compulsory as it is part of their Term Work Submission and it forms a part of 25 marks.
of activity:	The visit consisted of two parts: - going through various departments in workshop and going through the prosthetic and orthotic section in hospital. In workshop various sections such as smithing, metal, electroplating sections were shown. The knee and hip joints they fabricate according to the requirement of patient were shown and the materials used for the same were mentioned. They explained how the joints are connected using screws, nut and bolts etc. In electroplating section they explained the coating of various implants. They showed the upper extremity prosthesis which included elbow, shoulder, terminal devices such as prosthetic hand and lower extremity prosthesis such as prosthetic foot. The orthosis explained were Ankle Foot Orthosis (AFO), Knee Ankle Foot Orthosis (KAFO), Hip Knee Ankle Foot Orthosis (HKAFO) and spinal orthosis.
keaways:	Students well-understood the various types of prosthetic implant and materials used especially for lower limb and upper limb prosthetics. The visit could have been made more effective by giving more time to each department.



Department of Biomedical Engineering A.Y. 2017-18_ODD SEM

Attendees:	dente de				
	No. of Students	No. of Parents	No. of Faculty	Total	
	40		02	42	
Photos:					
Press Note:					
Tags:					



Department of Biomedical Engineering Vidyalankar Institute of Technology, Antop Hill, Wadala (E), Mumbai-37



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Department of Biomedical Engineering

Activity	Industrial Visit to All India Institute of Physical Medicine and Rehabilitation
Name:	Center, Haji Ali
Objective/s of activity:	The visit was arranged to help the students understand various types of prosthetic implant and materials used especially for lower limb and upper limb prosthetics and fabrication of PTB sockets used in prosthesis and orthosis.
Scope:	Projects at Masters Level
Target Audience	BE Biomedical Students
Activity Details:	All India Institute of Physical Medicine and Rehabilitation Center, Haji Ali on 7 th September, 2017.
Preparation:	The visit was an outcome of the efforts taken by Prof. Gajanan Nagare and Prof. Chaitali Nachane. Proposal was send to Principal of the college including the need for the visit. After acceptance of the proposal, the application to the Director of AIIPMRC requesting for the industrial visit was submitted to the Office of AIIPMRC by Prof. Chaitali Nachane and Prof. Priyanka Shrivastava. The follow-ups to arrange the entire visit was done by Prof. Chaitali Nachane with the coordinates at the AIIPMRC, Mr. Prabhu and Mr. Indalkar. Once the final date and schedule was given by the institute, the regular lectures of the students in the college were adjusted accordingly. Students were informed about the visit. Attendance was compulsory as it is part of their Term Work Submission and it forms a part of 25 marks.
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Vidyalankar Institute of Technology		Depa	ortment of	Biomed	ical Engineering
tendees:					
	No. of Students	No. of Parents	No. of Faculty	Total	
Photos:	40		02	42	
Dress Nato					
Press Note:					
Tags:					
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Department of Electronics and Telecommunication Engineering

Date – 14/03/18

Report on One Day Industrial Visit to Copper Track Industries Nasik of Second year EXTC

Faculty Details – Prof. Anand Tripathi, Prof. Sayli Todkari, Prof. Prathamesh Indulkar

1. Visit Comments -

The Visit started at 12.00pm and was divided into parts. The first included a lecture on the PCB manufacturing process and presentation on the same. Videos regarding various parts of manufacturing process were also shown.

The second part comprised on demonstration of the various PCB manufacturing procedures.

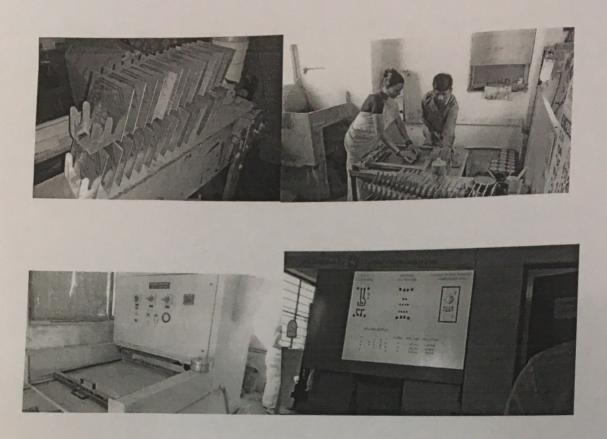
1.1 Company Presentations –

It contained information regarding the entire manufacturing process and it gave a clear and in-depth idea of how each separate process in PCB manufacturing is carried out. It covered topics such as track printing, etching, green masking, solder platting, etc. It included videos as well, which demonstrated the various processes actually being carried out at the facility.

1.2 Company Information –

The company was established in the year 1993. The industry works to manufacture various types of PCBs. The company is based in Ambad, Nasik. They are a prominent name engaged in manufacturing and supplying of printed circuit board, aluminium clad PCB, MC PCB, PTH PCB, etc. In addition to this, they provide services like PCB Design service, PCB Assembly service and CAD CAM for PCB designing service.

The workers are all well versed in their field of expertise and are highly skilled. The work at exceptionally high pace in order to provide the required number of PCBs at the required time. They use sophisticated technology in adherence to international quality standards. The raw materials used areacquired from certified vendors of the industry. Their products are known for compact design, longer functionality, superior finish and reliability.



2. Conclusion -

All students were provided with lunch at around 14:00 hrs in a restaurant near the facility. The visit concluded at 15:30 hrs.

It was a very informative and entrancing experience. Every student was content with what the visit offered. It provided great hands on experience of the manufacturing process and knowledge about what each and every stage in the process has to offer and it's importance. It also provided industry exposure and illuminated students on industrial problems faced and how they are counter-acted. It was all in all a very interesting and knowledge-rich experience. 3. Visit Snaps -



Dr. S.S. Thakur Head, EXTC Dept.



Department of Electronics and Telecommunication Engineering

Date - 31/01/2018

Report on One Day Industrial Visit to Hindustan Unilever Limited Nasik Sinnar of Second Year EXTC

Faculty Details - Prof. Anand Tripathi, Prof. Sayli Todkari Prof. Prathamesh Indulkar

Electronics & Telecommunications Department, had planned, the 1-Day Industrial Visit to Hindustan Unilever Limited Nasik. The Visit was scheduled for 31st January, 2018.

1. Visit Comments –

The Visit schedule started at the plant at 11 Hrs and the visit was divided into two parts. The first part contained Company actual product information and the second part contained presentation on company to the various Products of the plant.

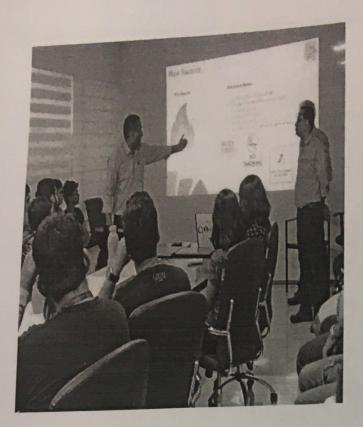
1.1 Company Presentations -

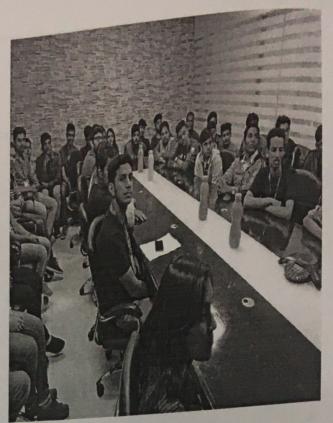
It contains information about Company product. Firstly they gave information related about Site Safety briefing. It gives the information about the depth and passion related to Safety. There are different products of company like Annapurna, kwality walls, Knoor Soups, Brooke bond, Taaza, Red label, Magnum, Modern.

1.2 Company Information –

Company was incorporated in 1933. Industry is based on Consumer Goods. Company Headquarters at Mumbai. Turnover of Company is 25,206 CRS. Their Research and Development team at Mumbai and Bangalore. Hindustan Unilever Limited (HUL) is the largest FMCG Company in India. It is owned by the British-Dutch company "Unilever" and has about 52% majority stake in Hindustan Unilever Limited. Its products include foods, beverages, cleaning agents and personal care products. It is headquartered in Mumbai, Maharashtra, India. Hindustan Unilever Limited has over 35 brands spanning 20 distinct categories. As per Nielsen market research data, two out of three Indians use HUL products.

We have seen Ice-cream plant; in that how the packing and filling can be done on the shop is observed. Also the Ice cream is frizzing at some -15degree Celsius while packaging. In the Ice cream shop all workers and supervisors are compulsory wear a Safety dress and wash hands before going inside.





2. Conclusion -

All Students were provided with the Lunch in the Canteen. The visit concluded with the Group photograph at the main gate arch at 16:30 Hrs.

All students were very satisfied with the visit as they received good amount of information about the manufacturing processes and their flow in a food industry, their interface with Electronic process automation and their integration with Home care Brand System and the Students received the desired exposure. Overall it was a very productive and interesting experience and the visit was successfully completed.



Dr. S.S. Thakur Head, EXTC Dept.

1. Preamble and Introduction

The concept of International Educational Tour was in our minds for quite some time. The Institute Director Mr. Milind Tadvalkar and Managing Trustee Mr. Vishwas Deshpande werestrongly thinking of carrying out such student visit that would provide our students with the global exposure. Therefore, when Redwood Edutours approached the institute with the Idea, it was accepted by the Institute after verifying the credentials of M/s Redwood Edutours.

The tour was formulated as 6-Day, 5-Hotel Night tour to Germany covering prestigious points such as Stuttgart University, Mercedes-Benz and BMW automotive plants and museums along-with a few sight-seeing spots. The tour cost was negotiated with Redwood Edutours and fixed at Rs.99,000/= per person. Prof. Ajay Dhruv was given the coordination charge of publishing the Tour on campus and on the website. He prepared the online submission form and received the feedback form from interested students. Then he coordinated the initial sanctions and tour was opened for accepting payments from the students and Faculty members. He accomplished this co-ordination work in the months of April-2017 and May-2017. Tour dates were finalized to be 2nd to 9th July, 2017. Thus, the first educational tour of VIT was on!!

2. Preparations

34 Students and 6 Faculty members fully paid up for the Tour by Mid of May. One of the traveling faculties, Prof. Shrikant Velankar was given the coordination charge for the actual conduct of the tour. M/s Redwood Edutours were given the advance payments for the tour as per the terms of contract. A meeting of the student/faculty travelling was called in the May last week to verify their passport validity and explaining them about the documents required to complete the German Visa process.

Another student/faculty meeting was called on 9th June, 2017, to collect the Visa documents and Passports. The Visa appointments were confirmed for 12th, 13th& 14th June, 2017 the German consulate Visa center (VFS) at Nariman point, Mumbai. The said Visa process was completed as per the schedule. All traveling persons got their Visa stamped Passports on 20th June, 2017.

The pre-departure meeting of all students/faculties travelling on the tour, was organized on 27thJune, 2017. It was attended by partner of Redwood Edutours, Mr. Aditya Gandhi and was presided over by the Director, Mr. Milind Tadvalkar. Students were given the necessary instructions and guidelines about the Educational tour.

3. Flight / Hotel Details & Itinerary

The Flight details, the details of the Hotels chosen for stays in the different German cities and detailed day by day itinerary was formulated in advance and same has been presented in the tables as given below –

Table 1: Flights

Flight	Source, Date & Time	Destination, Date& Time
Forward Journey		
WY-204 – Oman Air	Mumbai – CSIA – T2	Muscat IA – T1
	July 02, 2017 – 16:15	July 02, 2017 – 17:30
WY-116 – Oman Air	Muscat IA – T1	Frankfurt IA – T2B
	July 03, 2017 – 02:00	July 03, 2017 – 07:30
Return Journey		
WY-115 – Oman Air	Frankfurt IA – T2C	Muscat IA – T1
	July 08, 2017 – 10:35	July 08, 2017 – 19:30
WY-201 – Oman Air	Muscat IA – T1	Mumbai – CSIA – T2
	July 09, 2017 – 01:20	July 09, 2017 – 05:40

Table 2: Hotel Stays

Sr.	Dates	Location	Hotel Name
1	July 03, 2017 to	Stuttgart	Hotel Mercure Bristol Stuttgart,
	July 04, 2017 (1 Day)		Sindelfingen, Stuttgart
2	July 04, 2017 to	Munich	Hotel Ibis Munich City Sud,
	July 07, 2017 (3 Days)		Munchen City Sud, Munich
3	July 07, 2017 to	Frankfurt	Hotel Mercure Airport Frankfurt,
	July 08, 2017 (1 Day)		Airport, Frankfurt

Table 3: List of Students on the Tour

Abhinay Abhay Kadoo	Manas Mahesh Kapileshwari
Aditya Danturthi	Manasi Desai
AdityavikramGopakumaranThampi	Manasi Ramesh Thapar
Aliya Salim Shaikh	MiteshRanmal Jain
Arpit Arvind Godbole	Namrata DattatrayaWeling
AumVishwas Deshpande	Neel Bhanushali
Aunsh Abhay Arekar	Neil Dani
DivyanshHitendra Mishra	Rajat Ramakant Mohite
Gayatri Rajendra Aroskar	Rutuja Sanjay Dhanawade
Harsh Narayan Gavhane	Sagar Jitendra Sonawane
HusainNallwala	Sanjukta Sheth
Indranuj Milind Gangan	Shubham ShriniwasGharat
Jigar Gaurrang Desai	Soham Gharat
Karthik Paresh Kansaria	Susmeet Sunil Sukte
Kaustubh Rajesh Vagal	VarshiniSundaresan
KunjalArunDevrukhkar	Yash Asit Trivedi
LayashreeRammohanAdepu	Madhuri Vijay Walunj

Sr.	Faculty Name	Designation	Institute
1	Shrikant Shrinath Velankar (Faculty Coordinator)	Professor	VIT
2	Jitendra Ramchandra Toravi	Professor	VIT
3	Anjum Mohammad ShafiMujawar	Lecturer	VP
4	Maya Ashutosh Moghe	Lecturer	VP
5	Sandhya Kumar	Lecturer	VP
6	Shanti Shankara Krishnan	Lecturer	VP

Table 4: List of Faculty on the Tour

Table 5: Summarized Itinerary of the Tour

Day	Session	Location	Points / Details
July 02	Afternoon - Night	Mumbai - Muscat	Departure : Mumbai – Muscat – Frankfurt Flight
July 03	Morning	Frankfurt	Frankfurt Airport – Stuttgart Transfer
	Afternoon	Stuttgart	Stuttgart University
	Evening	Stuttgart	Wilhelma Zoo & Park
	Lvening	Stuttgart	Stuttgart Tower
July 04	Morning	Stuttgart	Mercedes Museum
	Afternoon	Hohenzollern	Hohenzollern Castle
	Evening	Munich	Stuttgart – Hohenzollern – Munich Transfer
July 05	Morning	Munich / Landshut	BMW Munich / Landshut Automobile Plants
	Afternoon	Munich	BMW Museum and BMW Welt
	Evening	Munich	Munich Olympia Park – Olympics Complex
July 06	Morning	Munich	Deutsche Science Museum / Planetarium
	Afternoon	Munich	Marianplatz – The Munich City Centre
	Evening	Munich	Walking Tour of Munich
	Evening	Wuthen	Metro/Sub Train Ride
July 07	Morning	Munich	Munich – Nuremberg Transfer
	Afternoon	Nuremberg	Nazi Documentation Center and Rally Grounds
	Evening	Frankfurt	Nuremberg – Frankfurt Transfer
	Evening	FIGHKIUIT	Rhine River Cruise & Frankfurt City Centre
July 08	Morning	Frankfurt	Airport Transfer
	Afternoon - Night	Frankfurt - Muscat	Frankfurt – Muscat Flight
July 09	Morning	Mumbai	Muscat – Mumbai Flight : Arrival

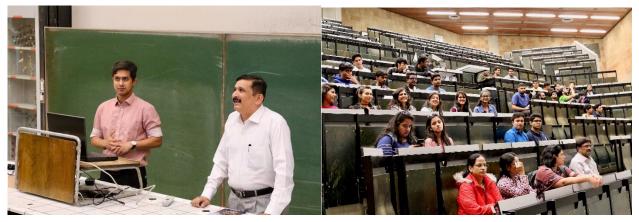
Report by ... Prof. Shrikant Velankar



4. Educational Tour – In Pictures



Frankfurt Airport by Oman Air (Boing 787-8 Dreamliner)



At Stuttgart University – Seminar session with VIT Alumnus – Mr. JajanGuharakutha (pursuing PhD)



Stuttgart University - Campus tour and then to Wilhelma Zoo, Stuttgart

Report by ... Prof. Shrikant Velankar

VI J T Vidyalankar Institute of Institute of Vidyalankar



Mercedes Museum, Stuttgart - An Architectural masterpiece showing Automobile history of 130 years



Hohenzollern Castle - One of the most beautiful medieval castle in south Germany near Black forest



The Real Engineering Experience at BMW Automobile Manufacturing Plant – Munich and Landshut

Vidyalankar Institute of Technology www.vid.edu.in



BMW Welt, Museum and Corporate Headquarters – Another man-made architectural marvel



Munich Olympic Stadium at Olympia Park & Village – With Zipline Thrill



VIT

International Educational Tour to Germany



The Group - at Munich city center



Frankfurt City Center - On the shopping spree - The tour is nearing its conclusion



Rhine River Cruise at Frankfurt and then back home with sweet memories

OF TEC

Report by ... Prof. Shrikant Velankar

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Page 7



WESTERN RAILWAY

Divisional Office, Mumbai central, Mumbai – 400008. Date: 27thJanuary2018.

CERTIFICATE

This is to certify that Ms. DevkiMohe(T.E. EXTC) studentof VidyalankarInstitute of Technology, Wadala, Mumbai-400016was assigned four weekstraining onstudy of "Train Management System" and "Telephone Exchange" (From06thJanuary 2018 to 27thJanuary2018).

Train Management Systemwhich is installed over Churchgate – Virar section, & Telephone exchange System at Mumbai central were studied by her.

During the period she had shown keen interest in getting the technical details, other relevant and needful aspect of the work assigned.

This certificate is issued to herfor successful completion oftraining.

I wish her success in future endeavors.

Divisional Signal & Telecom Engineer. Western Railways, Mumbai Central – 400008.





06/02/2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Priya Dutta has completed her internship in Biomedical Engineering department from December 15, 2017 to January 15, 2018.

During her tenure of internship, we found her hard working, sincere and honest.

We wish her all the best in his future endeavor.

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Shalini Tiwari Y Deputy General Manager – HR

15 Dr. G. Destamald, Marg Mumbai 100.026, Tel. (22) 6657 3335 • Fax (22) - 2352.0508 Elevational and analytic product • Website http://www.jest.d.bospital.act

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Dear Sir / Madam,

0

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr.	Performance Parameters	1	2	3	4			
No.				V				
1	Willingness to learn			\checkmark				
2	Grasp of subject				V			
3	Attitude Towards Work				V			
4	Communication Skills				V			
5	Interpersonal relations/teamwork				V			
6	Technical Skills			\checkmark				
7	Attendance & Punctuality			V				
8	Overall Performance	19	5105	A00	52			
Nature Veru	of the student: <u>PRIVA DUTTA</u> Roll No. nic Year: Branch & Division: <u>A BME</u> Semest No.: <u>7738191203</u> Email Id: <u>Priva</u> d of work done during internship - <u>J hardwarting and has good le</u> US.	ad	ers	hip		_		
Name of the Organisation:								
Signatu	ire of the Reporting Officer							

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CENTRAL RAILWAY



Sr.DEE (TRS)'s OFFICE, Sanpada Carshed, NAVI MUMBAI.

No.SNPD/RS/Misc/21

March 26, 2018

To, **The Principal,** Vidyalankar Institute of Technology, Wadala Mumbai.

> Sub:- Completion of Industrial Training. Ref:- Your L. No.VIT/TNP/2017/1396-97 Dt.20.12.17

This is to certify that Vaishnavi Gawali student of Vidyalankar Institute of Technology, Wadala has taken impart training from 22.12.17 to 03.01.18 at Sanpada carshed, Central Railway, Sanpada Navi Mumbai - 400705.

During above training period, she has been imparted training on working of both **Mechanical components and Electrical system** of EMU rakes being used at Mumbai Suburban service.



(V. B. SINGH) Asstt. Divil. <u>Elect. Encirc.</u> (TRS) स्टलम्बर्ग कार्ट्स, स्वयस्थ, तस्व रेस. Asst. Divisional Electrical Engineer, साथ Carshed, Seepeda, C. Ry. Navi Mumbel

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CENTRAL RAILWAY



Sr.DEE (TRS)'s OFFICE, Sanpada Carshed, NAVI MUMBAI.

No.SNPD/RS/Misc/21

March 26, 2018

To, **The Principal,** Vidyalankar Institute of Technology, Wadala Mumbai.

> Sub:- Completion of Industrial Training. Ref:- Your L. No.VIT/TNP/2017/1396-97 Dt.20.12.17

This is to certify that Snehal Rathod student of Vidyalankar Institute of Technology, Wadala has taken impart training from 22.12.17 to 03.01.18 at Sanpada carshed, Central Railway, Sanpada Navi Mumbai - 400705.

During above training period, she has been imparted training on working of both **Mechanical components and Electrical system** of EMU rakes being used at Mumbai Suburban service.





(V. B. SINGH) Asstt. Divil. Elect. Engg (TRS) सालपाछा, मध्य रेल. क्र.एम.बू. कारलेड, सालपाछा, मध्य रेल. क्र. Divisional Electrical Engineer. EMD Corshed, Sanpada, C. Riy. Navi Mumbai



मंडल कार्यालय, वरि. मंडल विद्युत इंजिनीयर (क./वि.) छत्रपति शिवाजी महाराज टर्मिनस मुंबई-400001. रेलवे फ़ोन-55203. दिनांक: 22.02.2018

संख्या:बीबी.एलडी.SCADA.Maint

Principal, Vidyalankar Institute of Technology Wadala East, Mumbai -400037

Sub: Completion of Internship of SCADA Systems of Chief Power Control Office at Mumbai CSMT Central Railway from

Ref: Your College letter No. VIT/TNP/2017/1411 Dated.21.12.2017

With reference to the above, it is certified that the Final Year Electronics & Telecommunication Engineering student Shri. Raj Chaudhari of your college has successfully completed the Internship in studying the SCADA System of Chief Power Control Office at Mumbai CSMT, Central Railway from 26.12.2017 to 06.01.2018.

He studied the working of Remote Control Centre SCADA, communication signaling equipments of S&T Test room, TMS operation, Working of RTU at CSMT SSP and KJT TSS.

(M.S. Rajput) Sr.Divisional Electrical Engineer (Traction Distribution) Central Railway Mumbai CSMT

C/- Shri. Raj Chaudhari.

मध्य रेल

Vidyalankar Institute of Technology

Internship Feedback Form

Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Willingness to learn				4	
				~	
Grasp of subject				~	
Attitude Towards Work			~		
Communication Skills				~	
interpersonal relations/teamwork			\checkmark		
Technical Skills					
Attendance & Punctuality				~	
Overall Performance				~	
Ever done during internship - king of Remore control Centre SCADA,	FE	<i>ک</i> , د	ъм	nun	icate
alling equipments of S & Fest Low ing of ATU as CSIM SSP 2					
he Organisation: <u>CENTRAL RAILWAY</u> Traction Power Control Robu, TMS					
he Organisation: <u>CENTRAL RAILWAY</u> Traction Power Control Robu, TMS CCT Mumbai	. B	dg,			-
he Organisation: <u>CENTRAL RAILWAY</u> <u>Tration Power Control Robul</u> TMS <u>CST Mumbai</u> nternship: From: <u>26.12.2017</u> To: <u>06.0</u>	. B	dg,			-
he Organisation: <u>CENTRAL RAILWAY</u> Traction Power Control Robu, TMS CCT Mumbai	1.A	o18			-
	nterpersonal relations/teamwork echnical Skills ttendance & Punctuality verall Performance ne student: <u>Ray Anil Chaudhary</u> Roll No.:	Interpersonal relations/teamwork echnical Skills ittendance & Punctuality Inverall Performance ine student: Raj Anil Chaud hari Roll No.: IL Kean 2017 - 15 Branch & Division: BE EXTC A	nterpersonal relations/teamwork echnical Skills ttendance & Punctuality verall Performance ne student:Roil No.:Roil No.:Roil No.:Roil No.:	Interpersonal relations/teamwork Image: Constraint of the student: Image: Constudent: Image: Constraint of	ommunication Skills Image: Second state of the second st

S.S.E./SCADA/C.RLY. C.S.M.T. MUMBAI.

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Jupiter Hospital

Patient First

16th January 2018

Ref.: JLHL/INT/Bio/0363

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Akash Sanjay Joshi** has completed his Internship in our hospital from **1**st **January 2018 to 15**th **January 2018** in Biomedical.

We wish him best luck in his future ventures.

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For Jupiter Lifeline Hospitals Ltd.

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Mahisha Shah CGM – Human Resources



Eastern Express Highwhy, Thans (W) 400 601 1 gl., 12 3555 (F.a., 1345 3320 Watthewe Jupitemospital.com

Scanned by CamScanner



Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr. No.	Performance Parameters	1	2	3	4
1	Willingness to learn				V
2	Grasp of subject				
3	Attitude Towards Work				1
4	Communication Skills			V	
5	Interpersonal relations/teamwork				~
6	Technical Skills	12			V
7	Attendance & Punctuality				~
8	Overall Performance				
<u>epa</u>	ovation of usage OF various e otment rounds, Acquaitance with wed by biomedical depostment	F	100	00	de
ame of	the Organisation: Jupiter Hospital.				
dress:	Thane.				
riod of I	Internship: From: $01/01/2018$ To: 15	01	/20	18	
me of t	he Reporting officer: <u>Manoj Mulik</u>		ain		at
signatio	n: Asst. Manager, Biomechical Engl	nee	- <u>811</u>)	11	et
bile No					
C	L'un				

Signature of the Reporting Officer



16th January 2018

Ref.: JLHL/INT/Bio/0364

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TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. Shivani Kapadi** has completed her. Internship in our hospital from **1st January 2018 to 15th January 2018** in Biomedical.

We wish her best luck in her future ventures.

For Jupiter Lifeline Hospitals Ltd.

Ma

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Manisha Shah CGM – Human Resources



Eastern Express Highway, Thane (W) 400 601 Tel: 2172 5555 Fax: 2545 3320 Web: www.jupiternospital.com

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Internship Feedback Form

Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr. No.	Performance Parameters	1	2	3	4
1	Willingness to learn				~
2	Grasp of subject				V
3	Attitude Towards Work			+	~
4	Communication Skills			V	-
5	Interpersonal relations/teamwork		+		L
6	Technical Skills				
7	Attendance & Punctuality		+		~
8	Overall Performance			+	L

Name of the student: Shvani.	<u>S. Kapadi</u>	Roll No.: 1610542022
Academic Year:	Branch & Division: Biomedical	Semester:
Mobile No: 9167073977	Email Id: SDIVC	nikapadi 12@g mil.com

Nature of work done during internship -

usage of vorious equipments. Observation of department rounds, Acquaitance with protocols by biomedical deparatment. Followed Name of the Organisation: <u>Jupiter</u> Hospital Address: Thane From: 01/01/2018 To: 15/01/2018

Period of Internship: Name of the Reporting officer. Manoi Mulik Designation: Asst. Manager, Biomedical Engineering Department Email Id: Mobile No.:

Signature of the Reporting Officer

Jupiter Hospital

Patient First

Ref.: JLHL/INT/Bio/0365

16th January 2018

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Sarvesh Surve** has completed his Internship in our hospital from **1st January 2018 to 15th January 2018** in Biomedical.

We wish him best luck in his future ventures.

For Jupiter Lifeline Hospitals Ltd.

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GM – Human Resources



Eastern Express Highway, Thane (W) 400 601 Tel- 2172 5555 Fax: 2545 3320 Web: www.jupiternospital.com

Scanned by CamScanner

Internship	Feedback	Form
1110111-1		



We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are known for the same. We are keen to receive your feedback about the performance of our student based on the bis/ber interaction with ware the his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance or our student based on the following rating scale below mentioned performance parameters on the following rating scale

	a Average 3 - Good 4 - Liter							
1 – Belov	v Average 2 – Average	1	2	3	4			
Sr.	Performance Parameters				~			
No.	ta learn				V	5.0		
1	Willingness to learn				V	1		
2	Grasp of subject			V				
3	Attitude Towards Work		-	-	V	1		
4	Communication Skills				L	- 1		
5	Interpersonal relations/teamwork			-	-	-		
	Technical Skills	10		V	-	-		
6	have & Punctuality				~			
7	the formance	1	11	D5P	201	2		
8	Overall Performance	.:		-				
Academ Mobile Nature	Overall Perronnance f the student: <u>Sarvesh Surve</u> ic Year: <u>2017-2018</u> Branch & Division: <u>Biomedia</u> modiatemes No.: <u>9867930467</u> Email Id: <u>master</u> of work done during internship- <u>ervation of usage of variour e</u> <u>Acquaitance</u>	qui		20				
	ervation of warder, Acquaitance partment rounder, Acquaitance bwed by biomedical department fithe Organisation: Jupiter Hospital Thank	t				— 1 —		
Name o	Thane				,			
Name of the cost france. Address:								
14102.10	Server							

Signature of the Reporting Officer



Our Ref. :

Technocraft Industries (India) Limited

Phone : (91)-22-2830 0625 / 2839 9970 Fax : (91)-22-2836 7037 / 2835 6559 E-mail : technocraft@technocraftgroup.com A-25, M.I.D.C. Andheri (East) Mumbai - 400 093 (India)

Date :

Date:- 30/01/2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Parimal B Pandhare has successfully completed the Internship in MVC (Model View Controller) conducted from 13-Dec-2017 to 12-Jan-2018 Under the guidance of our IT department.

During the Training she worked on Visual Studio 2015 as a frontend and SQL Server 2008 as a backend for the Software Development. We wish her all the best in her future endeavors.

For Technocraft Industries (India) Ltd.

-pon lienches actory Manager.

Works : M-6, Additional, M.I.D.C., Murbad, Dist - Thane Phone : (02524) 222646 / 222647 / 222648 / 224926 Fax : 222335



Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr. No.	Performance Parameters	1		2	3	4
1	Willingness to learn		_			
2	Grasp of subject		-			V
3	Attitude Towards Work		-			V
4	Communication Skills		+			~
5	Interpersonal relations/teamwork		+		V	
;	Technical Skills		-			1
	Attendance & Punctuality		+			V
	Overall Performance		+			-

Name of the student: <u>Parimal Pandhare</u> Academic Year: <u>TE</u> Branch & Division: <u>Computer</u> Semester: <u>V</u> Mobile No.: <u>9158110866</u> Email Id: <u>parimal pandhare 177@gmail.com</u>

Nature of work done during internship -

and practice on MVC-4 (Model View (ontroller) easning net framework to develop web lot crosof application project Technocraft Industries Name of the Organisation: MIDC, Kudvali, M Additional Address: MG, Thank From: 13th th Tan DPC 2017 TO: 12 2018 Period of Internship: Name of the Reporting officer: Rajendra Sheshago Mars Designation: Project lead Email Id: regendog, maske@ technocoal Mobile No.: 9822889654 For BMS Industries Ltd. Blasks. Signature of the Reporting Officer or Technocraft Industries (I) Ltd.



Phone : (91)-22-2830 0625 / 2839 9970 Fax : (91)-22-2836 7037 / 2835 6559 E-mail : technocraft@technocraftgroup.com

Our Ref. :

A-25, M1D C. Andheri (East) Mumbai - 400 093 (India)

Date :

Date:- 30/01/2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Bhavika Poojary has successfully completed the Internship in MVC (Model View Controller) conducted from 13-Dec-2017 to 12-Jan-2018 Under the guidance of our IT department.

During the Training she worked on Visual Studio 2015 as a frontend and SQL Server 2008 as a backend for the Software Development.

We wish her all the best in her future endeavors.

For Technocraft Industries (India) Ltd.

Spon Kumbe

Factory Manager.

Works : M-6, Additional, M.I.D.C., Murbad, Dist - Thane Phone : (02524) 222646 / 222647 / 222648 / 224926 Fax : 222335

VIT Vidyalankar Institute of Technology

Internship Feedback Form

Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

							10
	Sr. No.	Performance Parameters	1	2	3	4	
	i	Willingness to learn			P	V	
	2	Grasp of subject				V	
	3	Attitude Towards Work				V	
	4	Communication Skills			V	-	
	5	Interpersonal relations/teamwork				V	
	6	Technical Skills			1	V	
	7	Attendance & Punctuality				~	
	8	Overall Performance				V	
		the student: Bhavika Poojary Roll No				028	
А	cademi	c Year: TE Branch & Division: Computed Semes					
N	1obile N	o.: 8108741701 Email Id: bhavika	pooj	aryc	30	gmail	·com
N	ature o	f work done during internship -					
			11	liou) (0	ntroll	ه ه
		ning and practice on MVC4 (Mod rosoft dot net framework to develo		ind		- aclia	- Han
			<u>y</u>	we	00	applic	u len
	ojec					1. 1	_
Na	me of th	ne Organisation: Technocraft Industries					<u>.</u>
Add	dress:	MG, Additional MIDC, Kudval	i ,	M	yr	bad	1
	1	Distt-Thane					_
Peri	od of In	ternship: From: 13th Dec 2017 To: 12th	h	Tan	20	18	
Nam	ne of the	Reporting officer: Rajendon Sheshono N	las	ke		_	
Desid	gnation	: Project lead					
		9822889654 Email Id: 8.5. Maskee	ð gr	nai	.(0	M	
For	BMS	Industries Ltd. rajendag.maske	@1	ech.	noc	saftg	soup,
		Basts.					
Signa	UIF 8	the Reporting Officer					
		Industries (I) Ltd.					

MBN



Technocraft Industries (India) Limited

Phone : (91)-22-2830 0625 / 2839 9970 Fax : (91)-22-2836 7037 / 2835 6559 E-mail : technocraft@technocraftgroup.com

Our Ref. :

A-25, M.I.D.C. Andheri (East) Mumbai - 400 093 (India)

Date :

Date:- 30/01/2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Ashwini Meher has successfully completed the Internship in MVC (Model View Controller) conducted from 13-Dec-2017 to 12-Jan-2018 Under the guidance of our IT department.

During the Training she worked on Visual Studio 2015 as a frontend and SQL Server 2008 as a backend for the Software Development.

We wish her all the best in her future endeavors.

For Technocraft Industries (India) Ltd.

Factory Manager.

Works : M-6, Additional, M.I.D.C., Murbad, Dist - Thane Phone : (02524) 222646 / 222647 / 222648 / 224926 Fax : 222335 Vidyalankar Institute of Technology

Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

							125.75
	Sr. No.	Performance Parameters	1	2	3	4	
	1	Willingness to learn				~	
	2	Grasp of subject				V	
	3	Attitude Towards Work				V	
	4	Communication Skills			~		
	5	Interpersonal relations/teamwork				V	
	6	Technical Skills				~	
	7	Attendance & Punctuality				2	1
	8	Overall Performance				V	1
M Na Add Perio Nam Desig Mobi For Signa	obile N ature o eas n mi c p li me of th gnation le No.: r BMS	S Industries Ltd. S lasters, f the Reporting Officer offised Signatory	del vel Di ast ista	Vie lop In Jan 2e	eg w lin	(onl neb a l cba	<u>zolles</u>)
or Tech	nocra	aft Industries (I) Ltd.					

 $[N_{1,2}] \in [0, 1] \times [M_{1,2}] \times [M_{2,2}] \times [M_{2,2$



Drefatunal Office 587 Branch Vaumbul CS4

NO BB NAISC.CORR

122112 02 01 2018

CERTIFICATE

Sub : Practical Training of Engineering college Student.

Mr. Rukesh & Patil., T.E. student of V.I.T. Engineering, Mumbai has undergone implant training in S&T branch of Mumbai Division for a period of 18 days from [8,12,2017 to 04,01 2018 in fullowing fields.

. Tour Mangoment System

- 2. Rathet and Internet in Ration
- 3 This phone Exchanges and VOIT
- 4 Optic Tiber Cable.

 \bigcirc

(S.S. DARDE) ADSTE (Spl. Wks.) CSTM For Sr.DSTE CSTM

सहा. मं. एवं दू.सं. इंजी. (विशेष/कार्य) सी.एस.एम.टी. मुंबई. ADSTE (SPL/WKS) CSMT, MUMBAI C. RLY.



Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr. No.	Performance Parameters	1	2	3	4
1	Willingness to learn				-
2	Grasp of subject				5
3	Attitude Towards Work				~
4	Communication Skills				V
5	Interpersonal relations/teamwork				~
5	Technical Skills				V
	Attendance & Punctuality			_	V
	Overall Performance				V

Name of the student: Rakes	h K. Patil	Roll No .: 15103 A003 3
Academic Year: 2017 - 18	Branch & Division: ETRX - A	
Mobile No.: 7276412569		(eshpatil3019@gmail.com

Nature of work done during internship -

All teachers were well educated. They provide Knowledge about Indian Railways.

Name of the Organisation: _ S&T , CENTRAL Tailway Address: <u>Control room/signal control room</u> Auto CST, MUMBAI - 400001 Period of Internship: From: _____ To: Name of the Reporting officer: Designation: Email Id: Mobile No.:

Signature of the Reporting Officer

tit in the file couridared

CJATMNB149-2017-3408002*



Bharat Sanchar Nigam Limited

(A Govt. of India Enterprise)

СПТС ІАММО TELEPHONE EXCHANGE, BANTALAB, JAMMU Pin Code : 181123

CERTIFICATE

This is to certify that

Mr. Ashish Pandita

S/o Sh. Pran Nath Pandita

Student of B.Tech (E&TC-5th Semester)

Of

Vidyalankar Institute Of Technology,

Wadala (East), Mumbai (Maharashtra) – 400 037.

has successfully completed the following Course Conducted by Bharat Sanchar Nigam Limited

Name of the Course : INDUSTRIAL TRAINING FOR TWO WEEKS

Commencing Date : 18-12-2017

Completion Date : 29-12-2017

charge)

Chie

PRINCIPAL

Dated at Jammu :-29-12-2017

Course Code : CJATMNB149 Course Schedule Code : CJATMNB149-2017-3408 Registered & Corporate Office. Bharat Sanchar Bhavan HC Mathur Eane, Janr an New Delhi-110 001



SANJEEVAN HOSPITAL

PMC Registration No. : LCBP-0506-01352 Managed by : Shashwat Multi-Speciality Hospitals India Pvt. Ltd. CIN : U85110PN2010PTC135562

Plot No. 23, off Karve Road, Erandawane, Pune - 411004 Phone : 020-67250000 Fax : 020-67250015 E-mail : sanjeevanhospitalpune@gmail.com Website : www.sanjeevanhospitalpune.com

Ref: SH/IS/2018/01

Date: 16/01/2018

TO Y M IT MAY CONCERN

This is to certify that MIss Akanksha Uttam Barbade, a student of Bio-Medical Engineer from Vidyalankar Institute of Technology Wadala MUMBAI University, has successfully completed 01 (One) month (From 15th December 2017 to 15th January, 2018)internship programme at SHASWAT Multispecialty Hospitals , SANJEEVAN Hospital . During the period of her internship programme with us she was found punctual, hardworking and inquisitive.

We wish her every success in life.



ADMINISTRATOR

BIOMEDICAL HEAD



Ine.cor

Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr. No.	Performance Parameters	1	2	3	4	
1	Willingness to learn			~		
2	Grasp of subject				V	-
3	Attitude Towards Work		~			-
4	Communication Skills	2			V	-
5	Interpersonal relations/teamwork					-
6	Technical Skills		+			-
7	Attendance & Punctuality			~		-
8	Overall Performance			V		
Academ Mobile Nature Arar Inqui Name o Address	of the student: <u>Akanksha Uttan Barbak</u> Roll No. hic Year: <u>T.Y.</u> Branch & Division: <u>Bio-A</u> Semes No.: <u>BIO 847-3449</u> Email Id: <u>barbade</u> of work done during internship- <u>If She tooks</u> in that work of a <u>Sirtive She tooks</u> initiative in every w <u>Sirtive She tooks</u> initiative in every w	مان بی ت کامم المم الم		as xut pun	e	
	of Internship: From: 15/12/2017 To: of the Reporting officer: <u>ВНИЗНАН У. СНАVАН</u> , ation: <u>Jio-Medical Erginzer</u> No.: <u>9156762723</u> Email Id: <u>Sayjzrvan</u>				Bur	int com

Signature of the Reporting Officer



SANJEEVAN HOSPITAL

PMC Registration No. : LCBP-0506-01352 Managed by : SHASHWAT MULTI-SPECIALITY HOSPITALS INDIA PVI. LTD. CIN : U85110PN2010PTC135562

Plot No. 23, off Karve Road, Erandawane, Pune - 411004 Phone : 020-67250000 Fax : 020-67250015 E-mail : sanjeevanhospitalpune@gmail.com Website : www.sanjeevanhospitalpune.com

Ref: SH/IS/2018/01

Date: 16/01/2018

TO WHOM IT MAY CONCERN

This is to certify that Miss ANKITA SURYAKANT SUTAR, a student of Bio-Medical Engineer from Vidyalankar Institute of Technology Wadala MUMBAI University, has successfully completed 01 (One) month (From 15th December 2017 to 15th January, 2018)internship programme at SHASWAT Multispecialty Hospitals , SANJEEVAN Hospital . During the period of her internship programme with us she was found punctual, hardworking and inquisitive.

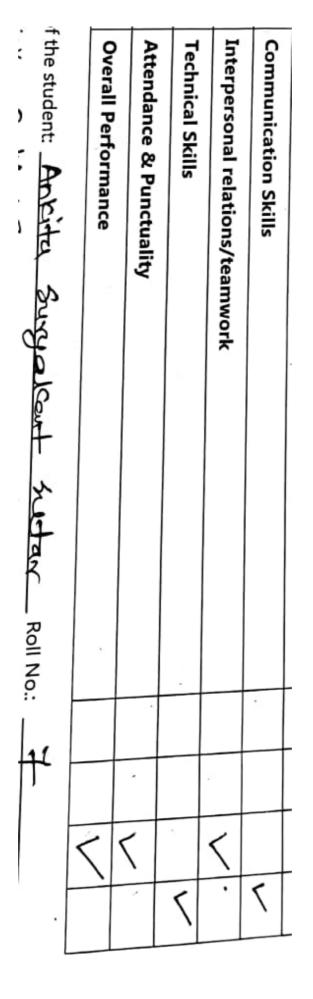
We wish her every success in life.

N.N. Car

ADMINISTRATOR



BIOMEDICAL HEAD





SAIFEE HOSPITAL

under the auspices of Saifee Hospital Trust Reg. No. E-5448 (Bom)

Ref: SH/HR/Certificate/01/2018

20.01.2018

TO WHOMSOEVER IT MAY CONCERN

Saifee Hospital is a premier multispeciality tertiary care institution in Mumbai, which provides world-class preventive, curative and holistic care to the patients.

Mr. Pravin Maske was engaged as an Intern in the Department of Bio-Medical Engineering of this hospital from 18/12/2017 to 18/01/2018.

During his Internship he was found to be good.

We wish him all the best in his future endeavors.

KULEME

Sachin R. Mayenkar Sr. Manager (HRD)



Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

No. Terrentiation 1 Willingness to learn 2 Grasp of subject 3 Attitude Towards Work 4 Communication Skills 5 Interpersonal relations/teamwork 6 Technical Skills 7 Attendance & Punctuality 8 Overall Performance Name of the student: Provinin Roll No:: 15 105 A0035 Academic Year: Branch & Division: Biomedital: Semester: 05 Email Id: pmaske 777 @gmail: com. Nobile No:: 8424 959 70 5 Email Id: pmaske 777 @gmail: com. Nature of work done during internship- Observection of usage of various equipments, of Observection of usage of various equipments, fellowed by biomedical department & vole of BME in b Name of the Organisation: Saifce Hospital Address: 15/17, Maharshi Karve Marg , Mumbai - 400 004. Period of Internship: From: To: 18/18 18 Name of the Reporting officer: Pranculi Aher Pranculi Aher Paysterong Department + Name of the Reporting officer: Pranculi Aher Go 004. <t< th=""><th>Sr.</th><th>Performance Parameters</th><th>1</th><th>2</th><th>3</th><th>4</th><th></th></t<>	Sr.	Performance Parameters	1	2	3	4	
2 Grasp of subject 0 3 Attitude Towards Work 0 4 Communication Skills 0 5 Interpersonal relations/teamwork 0 6 Technical Skills 0 7 Attendance & Punctuality 0 8 Overall Performance 0 Name of the student: Provin Roll No:: 15105 A0035 Academic Year: Branch & Division: Biomedital: Semester: 05 Mobile No: 8424959705 Email Id: pmaske 777 @gmail.com. Nature of work done during internship- 0 bs evention of usage of various equipments, of 9 by biomedical department & vole of Brite in h Name of the Organisation: Saifee Hospital Address: 1517, Maharshi Karve Marg, Mumbai - 400 004. Period of Internship: From: To: 18 01 18 Name of the Reporting officer: Pranculi Aher Provent 9 Name of the Reporting officer: Pranculi Aher 9 0 0 Name of the Reporting officer: Pranculi Aher 9 0 0 0 <th>No.</th> <th>Sr. Performance Parameters 1 2 3 1 Willingness to learn </th>	No.	Sr. Performance Parameters 1 2 3 1 Willingness to learn					
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Name of the student Branch & Division: <u>Biomedical</u> Semester:O Academic Year: Branch & Division: <u>Biomedical</u> Semester:O Mobile No.: & <u>8424959705</u> Email Id:pmaske 777 @gmail.com. Nature of work done during internship - Observation of usage of various equipments, department younds, Acquaitance with protocols department & role of BIME in h Followed by biomedical department & role of BIME in h Name of the Organisation: Gaifce Hospital Name of the Organisation: To: To: I& 00 004. Address: To: To: To: Row 00000000000000000000000000000000000	8	Overall Performance			- 10	075	
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BHARAT ELECTRONICS भारत इलेक्ट्रांनिक्स लिमिटेड (भारत सरकार का उदयम, रक्षा मंत्रालय) एल-१. एम. आय. डी. त्ती. औचोगिक क्षेत्र, तलोजा - नवी मुंबई - ४१० २०८.

BHARAT ELECTRONICS LIMITED (A Govt. of India Enterprise, Ministry of Defence) L-1, MIDC., INDUSTRIAL AREA, TALOJA - NAVI MUMBAI - 410 208 Ph. (O) : + 91-22 2741 2701/4/6 Fax : + 91-22 2741 2888/2887 E-mail : gmnamu@bel.co.in

Ref.No. : TRG/VT/HR/NAMU Date : January 8, 2018

CERTIFICATE

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This is to certify that **Miss Pallavi Dilip Shinde** student of BE (Electronics) from Vidyalankar Institute of Technology, Wadala, Mumbai has satisfactorily completed her / his Industrial Training / Project work in Bharat Electronics Limited, Taloja Navi Mumbai for the period from **25.12.2017 to 06.01. 2018**.

During the training period the Project Trainee was sincere and hardworking.

We wish her/him `Best of Luck' for the future endeavour.

for BHARAT ELECTRONICS LIMITED,

(A.K. SINGH) ASSTT. MANAGER (W)

होता दे तर्थे / ASHOK KUMAR SINGS हायन (सहयाण) / ASST. MANAGER (WELFARG) भारत इलोक्टोलिक्स्न स्थिपिटेड में ARAT ELECTRONICS LIMITED (भारत सरकार का उग्म, रक्षा मंत्रालय) १८ वर्ग सरकार का उग्म, रक्षा मंत्रालय) १८ वर्ग सरकार को उगम, रक्षा मंत्रालय १२ वर्ग सरकार को उगम, रक्षा मंत्रालय १२ वर्ग सरकार को उगम, रक्षा मंत्रालय १२ वर्ग स्थिप के दिन स्थित १२ वर्ग स्थिप के स्थित के स्थित १२ वर्ग स्थान स्थिति के स्थान १२ वर्ग स्थान स्थान



कारपोरेट कार्यालय : आऊटर रिंग रोड, नागावारा, बैंगलौर - ५६० ०४५, भारत. Corporate Office : Outer Ring Road, Nagavara, Bangalore - 560 045, INDIA Phone : 91-80-25039300 Fax : 91-80-25039305, Website:http://www.bel-india.com

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भारत इलेक्ट्रॉनिक्स

BHARAT ELECTRONICS भारत इलेक्ट्रॉनिक्स लिमिटेड (भारत सरकार का उदयम, रक्षा मंत्रालय) एल-१, एम. आय. धी. सी. औगोगिक क्षेत्र, तलोजा - नगी मुंबई - ४१० २०८.

BHARAT ELECTRONICS LIMITED (A Govt. of India Enterprise, Ministry of Defence) L-1, MIDC., INDUSTRIAL AREA, TALOJA - NAVI MUMBAI - 410 208 Ph. (O) : + 91-22 2741 2701/4/6 Fax : + 91-22 2741 2888/2887 E-mail : gmnamu@bel.co.in

Ref.No. : TRG/VT/HR/NAMU Date : January 8, 2018

CERTIFICATE

This is to certify that **Miss Kamini Ramesh Suroshi** student of BE (Electronics) from Vidyalankar Institute of Technology, Wadala, Mumbai has satisfactorily completed her / his Industrial Training / Project work in Bharat Electronics Limited, Taloja Navi Mumbai for the period from **25.12.2017 to 06.01. 2018.**

During the training period the Project Trainee was sincere and hardworking.

We wish her/him `Best of Luck' for the future endeavour.

for BHARAT ELECTRONICS LIMITED,

(A.K. SINGH)

ASSTT. MANAGER (W)

२०भ २ KÜLAR है। जणा) / ASST MANAGER (WEJAA) इस्टे ब्रिटेन सिंद्यमा रिलामिटेड अस्ति ELECTRONICS LIMITED जिस्त जरवार का उस्ता रक्षा मंत्रालय) भारत जिल्हा Enterprise, Ministry of Defence) - १. एम.आय.डी.सी. Sitcilfræ यसाहत, L-1, M.D.C., Indi. Area, TALOJA, 5 रहेई - A10 208, NAVI MUMBA1-410 208.



कारपोरेट कार्यालय : आऊटर रिंग रोड, नागावारा, बैंगलौर - ५६० ०४५, भारत. Corporate Office : Outer Ring Road, Nagavara, Bangalore - 560 045, INDIA Phone : 91-80-25039300 Fax : 91-80-25039305, Website:http://www.bel-india.com



Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr. No.	Performance Parameters	1	2	3	4
1	Willingness to learn			2	
2	Grasp of subject			~	
3	Attitude Towards Work			~	
4	Communication Skills			~	
5	Interpersonal relations/teamwork			~	
6	Technical Skills			V	-
7	Attendance & Punctuality				L
8	Overall Performance				2

Name of the student: <u>GUROSHI KAMINI RAMESH</u> Roll No.: <u>1510302034</u> Academic Year: <u>B.E.</u> Branch & Division: <u>ETRX-3</u> Semester: <u>IVIII</u>th Mobile No.: <u>8652545567</u> Email Id: <u>kaminisuroshi26@gmail</u>.

Nature of work done during internship -

study Technical details of Energy systems bane knowledge of Industrial work

Name of the Organisation: BHARAT ELECTRONICS LIMITED Address: L-1, M.J.D.C. JNDUSTRIAL AREA, TALOJA, NAVI MUMBAI - 410208 Period of Internship: From: 25/12/2017 To: 06/01/2018 Name of the Reporting officer: MRS. SADHANA KULKARNI Designation: MANAGER (ESA) Email Id: sadhanatulkaeni@hel.co.in Mobile No .: 9833703578

Signature of the Reporting Offician NA KULKARNI प्रवंधक (एनर्जी निमन्त (असवले) MANAGER (ESA) भगरत छन्छ स्ट्रानिकस्य स्टिमिटेड BHARAT ELECTRONICS LIMITED (भारत सरकार का ज्यम, रक्षा मंत्रालय) (A Govt of bed of terprise Ministry of Defence) एत - 1, स्व. जात्र ही मा औरोगिक वसाहत, L-1, स्व. C., क्र. Area, TALOJA,

मध्य रेल

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मुख्य कारखाना प्रबंधक सि. एवं दूर.सं. कारखाना भायखला मुम्बई - 400027.

दिनांक :0//01/2018

संख्या. BY/N/E/Trg. Indu.& Genl.

The Principal Vidyalankar Institute of Technology Wadala East.

Sub.: Vocational Training from 26.12.2017 to 30.12.2017.

Ref.: Your letter no. 1. VIT/TNP/2017/1384 dtd. 16.12.17 2. VIT/TNP/2017/1330 dtd. 21.12.17 3. VIT/TNP/2017/1329 dtd. 21.12.17 4. VIT/TNP/2017/1383 dtd. 16.12.17

The following students of your institute have undergone training from 26.12.2017 to 30.12.2017.

- 1. Shreyansh Khale
- 2. Rugveda Salunke
- 3. Binay Hazra
- 4. Akhil Nair

Topics covered in training are as under.

WORKSHOP: Relay Test Room, STTI/Sig & Telecom. Axle Counter, Block Section.

01-01-2018 (योगेश) पेंदाम)

सहा.कार्य.सि.दूर.सं.इंजी स. का. सि. एव. दू. सं. अ. ब.एफ.डी. मेध्रिम्झ व्यियखता, मुंबई-२७. AESTE (UFD), SIG. & TEL. (W/S) C.RLY; BYCULLA, MUMBAI-27.



Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

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1	Willingness to learn				~	
2	Grasp of subject				V	
3	Attitude Towards Work				~	
4	Communication Skills				1	
5	Interpersonal relations/teamwork				~	
6	Technical Skills				V	
7	Attendance & Punctuality			-	~	
8	Overall Performance				V	
Stu	dy of block working - Single U Jrack Detection System which	inc	Rude	Dou	xie (- ounte
yste	in & Jack cree . Overhauling of Kelay.	ork	sho	p, f	Bycu	TT.
yste	of the Organisation: <u>Signal & Telecom</u> W is: <u>Signal & Telecom</u> W of the Organisation: <u>Signal & Telecom</u> W	ork	sho a C	p, f	By cu tral	ela.
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Vame Addres Period Vame	of the Organisation: <u>Signal & Telecom</u> <u>Realized</u> , <u>Mumbai</u> of Internship: From: <u>26th</u> <u>Dec</u> 2017 To: <u>30</u> of the Reporting officer: <u>Pankaj</u> <u>Laxena</u>	ork	sho a C	p, f	By cu tral	ela.
Varne Addres Period Name Design	of the Organisation: <u>Signal & Telecom</u> W is: <u>Signal & Telecom</u> Workerhop, Byc <u>Ragnal & Telecom</u> Workerhop, Byc <u>Ragnad & Telecom</u> Workerhop, Byc <u>rostrony</u> , <u>Mumbai</u> of Internship: From: <u>267 Dec 2017</u> To: <u>30</u>	ptro ptro	o o o Dec	p, E	By cu tral	

मध्य रेल

मुख्य कारखाना प्रबंधक सि. एवं दूर.सं. कारखाना भायखला मुम्बई - 400027.

दिनांक :0//01/2018

संख्या. BY/N/E/Trg. Indu.& Genl.

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- 2. Rugveda Salunke
- 3. Binay Hazra
- 4. Akhil Nair

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Topics covered in training are as under.

WORKSHOP : Relay Test Room, STTI/Sig & Telecom. Axle Counter, Block Section.

2018 01-01 (यौगेश/पेदाम)

सहा.कार्य.सि.दूर.सं.इंजी स. का. सि. एव. वू. सं. अ. जु.एफ.डी. मेधिरास जीवखता, मुंबई-२७. AESTE (UFD), SIG. & TEL. (W/S) C.RLY; BYCULLA, MUMBAI-27.



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2	Grasp of subject				~
3	Attitude Towards Work				
4	Communication Skills				~
5	Interpersonal relations/teamwork				V
6	Technical Skills				~
7	Attendance & Punctuality				-
8	Overall Performance				~

Name of the student: Alexil Naiz Roll No.: 15104BED 02 Academic Year: 2012-18 Branch & Division: EXTC B Semester: 6 Mobile No.: 77333228118 Email Id: aktic main 211 @ granit.com alexil jeyakumar.17 @ gmail.com

Nature of work done during internship -

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Study of Block Docking - Single line & Double line, Track Detection System which include Axie counter System& Track cht . Duchaling of Relay . Imported knowledge of sol. Name of the Organisation: Signal & Telecon Workehop, Byculla. Address: Signal & Telecom Workshop, Central Railway Byaulla, Mumbai Period of Internship: From: 26th Dec 2017 To: 30th Dec 2017. Name of the Reporting officer: Pankaj Saxena. Designation: <u>SSE</u> Mobile No.: 8828110342 Email Id: Brinapalbystie Ca. Railvet. gov. 12018 aten Signature of the Reporting Officer द्र मंचार कारलात मार्य रेल, भायरवला, केवरे 40000 . CHIEF WITH . OP MANAGER S. & ! WURKSHOPS C. RLY. BYCULLA, BOMBAY - 400 of

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मुख्य कारखाना प्रबंधक सि. एवं दूर.सं. कारखाना भायखला मुम्बई - 400027.

संख्या. BY/N/E/Trg. Indu.& Genl.

दिनांक :01/01/2018

The Principal Vidyalankar Institute of Technology Wadala East.

Sub. : Vocational Training from 26.12.2017 to 30.12.2017.

Ref.: Your letter no. 1. VIT/TNP/2017/1384 dtd. 16.12.17

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- 3. Binay Hazra
- 4. Akhil Nair

Topics covered in training are as under.

WORKSHOP: Relay Test Room, STTI/Sig & Telecom. Axle Counter, Block Section.

पेंदाम)

सहा.कार्य.सि.दूर.सं.इंजी स. का. सि. एव. वू. सं. अ. चु.एफ.डी. मैधिरीस, वीविखता, मुंबई-२७. AESTE (UFD), SIG. & TEL. (W/S) C.RLY; BYCULLA, MUMBAI-27.



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Sr. No.	Performance Parameters	1	2	3	4
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2	Grasp of subject				V
3	Attitude Towards Work				~
4	Communication Skills				V
5	Interpersonal relations/teamwork				V
6	Technical Skills				~
7	Attendance & Punctuality				~
8	Overall Performance				

Name of the student: <u>Rugveda</u> <u>Salenke</u> Roll No.: <u>ISIDH BODGD</u> Academic Year: <u>2017-18</u> Branch & Division: <u>ExTL-B</u> Semester: <u>6</u> Mobile No.: <u>8655690837</u> Email Id: <u>Augveda 2604 @ gmail: com</u>

Nature of work done during internship -

Study of Block Dovering - Single line & Double line, Isack Dectection System which Included Arle Counter System & Track det . Dueshanding of Relay . Imported knowledge of sol . Name of the Organisation: Signal & Telecon Workship, Byaulla. Address: _ Signal & Telecom Workshop, Byculla <u>Certual Railway Mumbai</u> Period of Internship: From: 200 Acc 2017 To: 30th Acc 2017. Name of the Reporting officer: Pankaj Saxena Designation: _____SSE Mobile No.: 8828110842 Email Id: Brincipalby still or railnet. govin Signature of the Reporting Street प्रवंधक सिम्तल एउ ूर् संचार कारखाना, मार्ग रेल, भावस्वला, बंबई 4000%। CHIEF WUR- 10P MANABER

S () WURKSHOPS C. RLY, BYCULL*, BOMSAY - 400

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मध्य रेल

मुख्य कारखाना प्रबंधक सि. एवं दूर.सं. कारखाना भायखला मुम्बई - 400027.

संख्या. BY/N/E/Trg. Indu.& Genl.

दिनांक :01/01/2018

The Principal Vidyalankar Institute of Technology Wadala East.

Sub.: Vocational Training from 26.12.2017 to 30.12.2017.

 Ref.:
 Your letter no. 1. VIT/TNP/2017/1384 dtd. 16.12.17

 2.
 VIT/TNP/2017/1330 dtd. 21.12.17

 3.
 VIT/TNP/2017/1329 dtd. 21.12.17

 4.
 VIT/TNP/2017/1383 dtd. 16.12.17

The following students of your institute have undergone training from 26.12.2017 to 30.12.2017.

- 1. Shreyansh Khale
- 2. Rugveda Salunke
- Binay Hazra
- 4. Akhil Nair

C

Topics covered in training are as under.

WORKSHOP: Relay Test Room, STTI/Sig & Telecom. Axle Counter, Block Section.

2018 01-01 पेंदाम)

सहा.कार्य.सि.दूर.सं.इंजी स. का. सि. एव. वू. सं. अ. जु.एफ.डी. मेप्रियस,व्यीवखला, मुंबई-२७. AESTE (UFD), SIG. & TEL. (W/S) C.RLY; BYCULLA, MUMBAI-27.



Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr. No.	Performance Parameters	1	2	3	4
1	Willingness to learn				5
2	Grasp of subject				
3	Attitude Towards Work				V
4	Communication Skills				
5	Interpersonal relations/teamwork				V
6	Technical Skills				
7	Attendance & Punctuality				~
8	Overall Performance	Roll No.: 151			

Name of the student: Binay Hazza Academic Year: 2017-18 Branch & Division: Extended Semester: 6 Mobile No.: <u>8169397747</u>. Email Id: <u>binay</u>, <u>hezze 21@gmail: com</u>

Nature of work done during internship -Study of Block Working - Single Une & Double line, Frank Detection System which included axle counter System. Overhauling of letay. Imparted knowledge of sel Name of the Organisation: Signal & Telecom Wortshop, Byulla. Address: <u>Signal & Telecon Weater of</u> Byould, <u>Contral Railway Mumbai</u> Period of Internship: From: <u>26th Dec</u> 2017 To: <u>30th Dec</u> 2017. Name of the Reporting officer: Pankaj Saxena. Mobile No.: 8328110842 Email Id: Principal bysti@ca: aaibret.govin Signature of the Reporting Office an Euron 12 तूर मंचार कारखाना, माय रेल, भावस्वला, बंबई 4000'. CHIEF WOR . OP MANAGER S & WURKSHOPS BYCUL. BOMSAY - 400 ...

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POWERTRON INSTRUMENTS

MFG.OF :SMPS I DC DC CONVORTOR I POE SMPS I BATTERY CHARGER I ADAPTOR I ELECTRO PLATING RECTIFIER. Unit No.: 59 I 1ST Floor I New Modella Co-Op. Pre. Soc. Ltd. I Padwal Nagar I Wagle Estate I Thane – 400604. Mob.: 08097707496 I 08106838226 I 07208560460 I E-mail : powertron17@gmail.com I powertron@ymail.com WEB : WWW.POWERTRONINSTRUMENTS.COM

TO WHOM IT MAY CONCERN

This is to certify that Ms. RUNAKSHI R. PHULPAGAR Student of Industrial Electronics Engineering department & Studing at Vidyalankar Institute of Technology (Wadala) and has successfully completed 24 Days (15thDecember 2017 TO 7thJanuary 2018) industrial training in Power Electronics at "POWERTRON INSTRUMENTS".

During the training she was found Punctual, hardworking & inquisitive.

For POWERTRON INSTRUMENTS



Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr. No.	Performance Parameters	1	2	3	4
1	Willingness to learn				~
2	Grasp of subject				~
3	Attitude Towards Work				~
4	Communication Skills				V
5	Interpersonal relations/teamwork				~
6	Technical Skills				~
7	Attendance & Punctuality				~
8	Overall Performance				V

Name of the student: Runcikshi R. phupagar _ ROIL NO .: 15103A0064 Branch & Division: ETRX-A Semester: 11 Academic Year: 2018 Mobile No.: 9452808200 Email Id:.

Nature of work done during internship -

glectronics Assembling at Grasp , Quali Pestino adapto Supply power of finalized pnoducts, produce 0 instruments powerting Name of the Organisation: _ ITD modella Address: Unit no - 59 Lew CO-00 400604 Thank Wag 15th an To: Dec Period of Internship: From: Pancho Punit Name of the Reporting officer: Designation: _ Email Id: powertronita qmal.com 7209560460 Mobile No.: Signature of the Reporting Officer

GETINGE 🛠

12th January 2018

Certificate

We hereby certify that Mr. Sanath Mahesh Talekar has participated & successfully completed Winter Internship program for Undergraduate Biomedical Engineers, held by our company from 18th December 2017 to 12th January 2018

The candidate has attended following sessions:

			•			
Sr. no.	Lectures	Sr. no.	E-Learning Exercises			
1 ·	Introduction to tools & Electronic Components	1 ·	ESD .			
2	1 Introduction to tools & Electronic Component 2 Basics of Electrical Engineering 3 Human Anatomy & Physiology 4 Infection Control & CSSD Practices 5 OR/ICU Planning & Medical Gas Management r. no. Prace	2	Electrical Measurements			
3.	· · · · · · · · · · · · · · · · · · ·	3 ·	Principles of Hydraulics			
		4	Principles of Mechanics			
4 Infection control & coop indedices		Cardiac Perfusion				
Sr. no. Practical						
1	Assembling Power supply &	Assembling Power supply & making it functional				
Sr no	Introduction to Products	Sr. no.	Management Topics			
		1	Finance Management			
		2	Supply Chain Managemen			
		3	Quality & Regulatory Issue			
3	Ventilators		HR Management			
4	Advanced Monitoring Devices	4	The Management			
5	Anesthesia					
6	Heart Lung Machine					
		1				

Intra- Aortic Balloon Pump Infection Control Equipment 9

ECMO

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8

We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.

With best wishes for all future assignments & successful career.

For Maquet Medical India Pvt. Ltd.,

mul

Vishwanath Joglekar Senior Director- After Market & Services

Maquet Medical India Pvt. Ltd. 203 & 204, Fulcrum, 'B' Wing, Sahar Road, Opp T2 Airport, Andheri East, Mumbai - 400 099, CIN_U33110MH004PTC1443117 Phone +91 22 6233 2100 +91 22 6233 2150 Fax

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 4062
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 Bengaluru
 Tel.
 +91
 34
 4052
 2200

 Chennai
 Tel.
 +91
 44
 4051
 2200

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 FREE
 HELPLINE
 1800
 222377

Delhi



Dear Sir / Madam,

4

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr. 4 1 2 3 **Performance Parameters** No. 1 Willingness to learn 2 Grasp of subject 3 **Attitude Towards Work** 4 **Communication Skills** Interpersonal relations/teamwork 5 6 **Technical Skills** Attendance & Punctuality 7 **Overall Performance** 8 Roll No .: 15105ADD13 Mahesh Talekar Name of the student: _Sanath Branch & Division: BIOM - A Academic Year: 2017 - 18 Semester: Email Id: sanathtalekar 98@ gmail . com 7718964060 Mobile No.: . Nature of work done during internship -Biomedical Various Working Atudy an topics managemen introduction to an Medica India Put. 150 Maquet Name of the Organisation: _ Road Wing, Sahar Address: 203 & 204, B Fulcrum. Mumbai - 400 099 Andheri (East) 12th 2018 From: 18th December 2017 January To: Period of Internship: Maitri Mehta Name of the Reporting officer: Semior Service Biomedica Engineer Email Id: maitre. melt Designation: _ 7400094712 Mobile No.:

Signature of the Reporting Officer

GETINGE 🛠

12th January 2018

Certificate

We hereby certify that Mr. Tejas Anil Bait has participated & successfully completed Winter Internship program for Undergraduate Biomedical Engineers, held by our company from 18th December 2017 to 12th January 2018

The candidate has attended following sessions:

			E Learning Exercises
Sr. no.	Lectures	Sr. no.	E-Learning Exercises
1	Introduction to tools & Electronic Components	1	ESD
2	Basics of Electrical Engineering	2	Electrical Measurements
3	Human Anatomy & Physiology	3	Principles of Hydraulics
4	Infection Control & CSSD Practices	4	Principles of Mechanics
5	OR/ICU Planning & Medical Gas Management	5	Cardiac Perfusion

Sr. no.		tical	
1	Assembling Power supp	ly & making it fu	Inctional
Sr. no.	Introduction to Products	Sr. no.	Management Topics
1	OR Tables	1	Finance Management
2	OR Lights	2	Supply Chain Management
3	Ventilators	3	Quality & Regulatory Issues
4	Advanced Monitoring Devices	4	HR Management
5	Anesthesia		
6	Heart Lung Machine		
7	ECMO		
8	Intra- Aortic Balloon Pump		
9	Infection Control Equipment		

G

We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.

With best wishes for all future assignments & successful career.

For Maquet Medical India Pvt. Ltd.,

in

Vishwanath Joglekar Senior Director- After Market & Services

Maquet Medical India Pvt. Ltd. 203 & 204, Fulcrum, 'B' Wing, Sahar Road, Opp. T2 Airport, Andheri East, Mumbai - 400 099. CIN : U33110MH004PTC1443117. Phone : +91 22 6233 2100 Fax : +91 22 6233 2150

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 Tel. +91 33 4062 8401

 Bengaluru
 Tel. +91 80 4130 7268

 Chennai
 Tel. +91 44 4051 2200

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 HELPLINE : 1800 222377

Vidyalankar Institute of Technology

Dear Sir / Madam,

1 – Below Average

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

3 – Good

2 - Average

4 - Excellent

Sr. No.	Performance Parameters 1 2 3 4	
1	Willingness to learn	
2	Grasp of subject	
3	Attitude Towards Work	the second s
4	Communication Skills	
5	Interpersonal relations/teamwork	
6	Technical Skills	
7	Attendance & Punctuality	
8	Overall Performance	
Name Acaden Mobile Natur Stur aund	Overall Performance e of the student: Tejas Avil Bait Roll No.: 15105AD03D lemic Year: 2017 - 18 Branch & Division: BIDM - A Semester: lemic Year: 9619767760 Email Id: tejasbait 099@gmail.com ile No.: 9619767760 Email Id: tejasbait 099@gmail.com ure of work done during internship- udy and Working of Various Biomedical Instrument d introduction to hasic management topics.	<u>t</u>
Name Addre Perioo Name Desig	ne of the Organisation: <u>Maquet Medical India Rvt. Ltd.</u> ress: <u>203 & 204</u> , <u>Fulcrum</u> , <u>B</u> Wing, <u>Sahar Road</u> , <u>Opp. T2 Aupert</u> , <u>Andheri (East)</u> , <u>Mumbai - 400 D99</u> od of Internship: From: <u>18th December 2017</u> To: <u>12th January 201</u> ne of the Reporting officer: <u>Maîtri Mehta</u> ignation: <u>Service Executive</u> ignation: <u>7400094712</u> Email Id: <u>Maîtri . mehta@getinge.co</u> <i>With Paparting Officer</i>	8

12th January 2018

۰.

Certificate

We hereby certify that **Mr. Tushar Ramakant Pardhi** has participated & successfully completed Winter Internship program for Undergraduate Biomedical Engineers, held by our company from 18th December 2017 to 12th January 2018

The candidate has attended following sessions:

.

Sr. no.	Lectures	Sr. no.	E-Learning Exercises
1	Introduction to tools & Electronic Components	1 '	ESD
2	Basics of Electrical Engineering	2	Electrical Measurements
3	Human Anatomy & Physiology	3 .	Principles of Hydraulics
4	Infection Control & CSSD Practices	4	Principles of Mechanics
5	OR/ICU Planning & Medical Gas Management	5	Cardiac Perfusion
5	ON/ICO Hamming & Medical Coordina of		
-	Practica		
Sr. no.	Assembling Power supply &		unctional
1	Assembling Power supply a	indian B it i	
		6	Management Topics
Sr. no.	Introduction to Products	Sr. no.	
1	OR Tables	1	Finance Management
2	OR Lights	2	Supply Chain Managemen
3	Ventilators	3	Quality & Regulatory Issue
	Advanced Monitoring Devices	4	HR Management
4			
5	Anesthesia	-	
6	Heart Lung Machine		
7	ECMO		
8	Intra- Aortic Balloon Pump		
9	Infection Control Equipment		

We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.

With best wishes for all future assignments & successful career.

For Maquet Medical India Pvt. Ltd.,

Vishwanath Joglekar Senior Director- After Market & Services

Maquet Medical India Pvt. Ltd. 203 & 204, Fulcrum, 'B' Wing, Sahar Road, Opp. T2 Airport, Andheri East, Mumbai - 400 099. CIN · U33110MH004PTC1443117 Phone: +91 22 6233 2100 Fax: +91 22 6233 2150

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 HELPLINE : 1800 222377



Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

	Sr. No.	Performance Parameters	1	2	3	4	
	1	Willingness to learn				V	
	2	Grasp of subject				~	
	3	Attitude Towards Work		-	V		1
	4	Communication Skills	-			V	1
ł	5	Interpersonal relations/teamwork	-		1	~	
	6	Technical Skills			~	1.	
	7	Attendance & Punctuality				/	
	8	Overall Performance e of the student: <u>Tushar Ramakant Pardhi</u> Roll No. Ball - 19 Branch & Division: <u>BTOM - A</u> Semen	. [5105	AD	034	
	Acad Mot Nat	emic Year. 2011-18 stand ile No.: <u>8419913918</u> Email Id: paralles ure of work done during internship- tudy and Working of various Biomed tudy and Working of various Biomed	lical	I	ister	emen	ts
	Na Ad Pe N D	a <u>utioduction</u> <u>b</u> <u>Maquet Medical India</u> <u>me of the Organisation:</u> <u>Maquet Medical India</u> <u>dress:</u> <u>203 & 204</u> , <u>Fulcrum</u> , <u>B</u> <u>Wing</u> , <u>Saho</u> <u>Dp P. T2 Auport</u> , <u>Andheni (East)</u> , <u>Dp P. T2 Auport</u> , <u>Andheni (East)</u> , <u>ind of Internship:</u> <u>From:</u> <u>18th December 2017</u> To: <u></u> <u>riod of Internship:</u> <u>From:</u> <u>18th December 2017</u> To: <u></u> <u>ame of the Reporting officer:</u> <u>Maitai Mehta</u> <u>esignation:</u> <u></u> <u>7400094712</u> <u>Email Id:</u> <u>maitai.meht</u> <u>Hutt</u> <u>Signaturé of the Reporting Officer</u>	Pus		la.		
	:	ignature of the Reporting					

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ω	2	1	Sr. no.	1	Sr. no.	ы	4	ω	2	1	Sr. no.
Ventilators	OR Lights	OR Tables	Introduction to Products	Assembling Power supply & making it functional	Practical	OR/ICU Planning & Medical Gas Management	Infection Control & CSSD Practices	Human Anatomy & Physiology	Basics of Electrical Engineering	Introduction to tools & Electronic Components	. Lectures
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Quality & Regulatory Issues	Supply Chain Management	Finance Management	Management Topics	inctional		Cardiac Perfusion	Principles of Mechanics	Principles of Hydraulics	Electrical Measurements	ESD .	E-Learning Exercises

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Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr. No.	Performance Parameters	1	2	3	4
1	Willingness to learn				
2	Grasp of subject			1	
3	Attitude Towards Work			1	
4	Communication Skills			1	
5	Interpersonal relations/teamwork				./
6	Technical Skills				
7	Attendance & Punctuality			./	
8	Overall Performance				
me of demi	the student: <u>Aniket Shivaji Lambture</u> Roll No c Year: <u>2017 - 18</u> Branch & Division: <u>BIOM - A</u> Semest	.: <u>16</u> ter:	105	A20	08
bile N	c Year: <u>2017 - 18</u> Branch & Division: <u>BIOM - A</u> Semest Io.: <u>8451821507</u> Email Id: <u>aviket.lav</u>	nbtu	re. T	@gm	ail.
ure o	f work done during internship -				

siomedical Inskumpn introduction 0 to and management topics basec

Medical India Maguet Put. 40 Name of the Organisation: _ Wing. Address: 203 & 204 B fulcrum, Sahar Road Aupor Andheri (East) T2 Mumbai 400 099 18th December 12th January 2017 Period of Internship: From: 2018 To: Maite Mehta Name of the Reporting officer: _ Designation: Service Executive Mobile No.: 7400094712 Email Id: maître. melita @ getinge.com

Signature of the Reporting Officer

Lata Mangeshkar Medical Foundation's DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTRE

Erandawane, Pune 411 004. Tel.: 66023000 / 40151000, E-mail: jpmt@vsnl.com, Website: www.dmhospital.org

INPLANT TRAINING CERTIFICATE

THIS IS TO CERTIFY THAT <u>MR. VARUN SANJAY GOKHALE</u> HAS UNDERGONE <u>ONE</u> MONTH INPLANT TRAINING AT BIOMEDICAL DEPARTMENT OF DEENANATH MANGESHKAR HOSPITAL, PUNE FOR THE PERIOD FROM 19/06/2017 TO 19/07/2017

DURING THIS TRAINING IT WAS NOTICED THAT

HIS ATTITUDE TOWARDS THE TRAINING WAS <u>GOOD & APPROPRIATE</u> HIS CONDUCT WAS <u>GOOD.</u>

WE WISH HIM BEST OF LUCK FOR HIS BRIGHT FUTURE

PRASAD MAHANT MANAGER - BIOMEDICAL

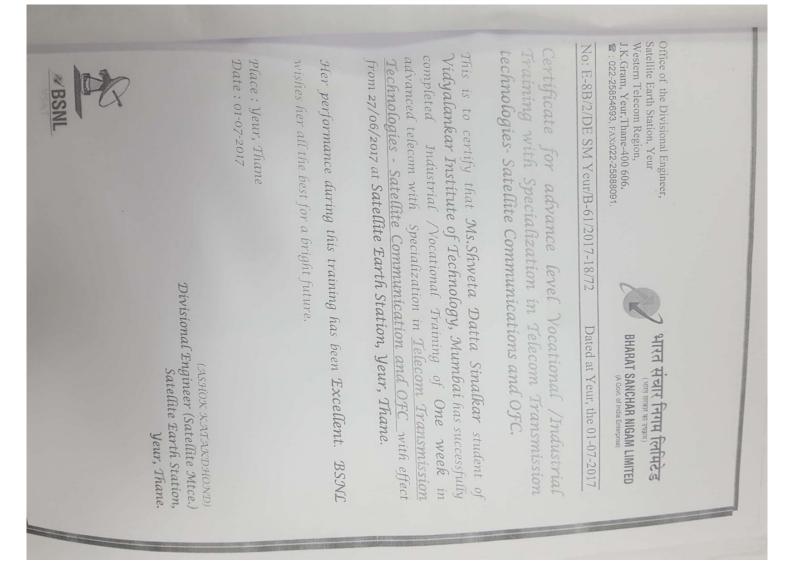


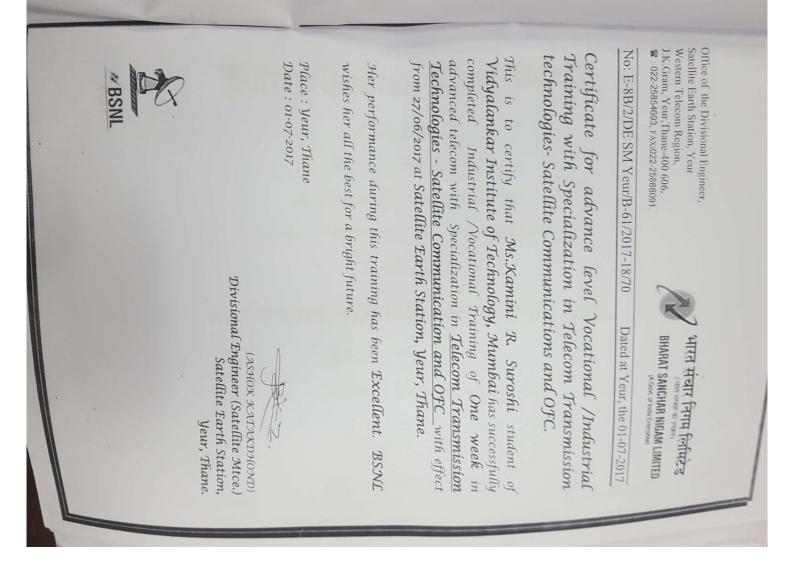
marsha

ASMITA BHAVE ASSISTANT MEDICAL SUPERINTENDENT - ACADEMICS

Certificate issued on 19/07/2017

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Participation Certificate

Certify that

KAMINI SUROSHI

has actively paticipated in

CISCO NETWORKING WORKSHOP

Conducted by

SAPPERS SOLUTIONS PVT. LTD.

Year : 2017 Venue : DOMBIVLI

Trainer Signature

Training in Networking. Careers on Instant Speed

10m 0000 Authorized Signatory

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Shweta Kolekar

Dear Shweta,

15 July 2017. Your role will be of 'Digital Marketing Intern'. We are pleased to let you know that you have been selected for a three week internship at our firm - 24 June 2017 to

Key Responsibilities of your role:

- 1 Week 1 – SEO best practices and SEO Report (Current Status and Recommendations) for – www.digitaldojo.in
- 2. Week 2 SEO Implementation for www.digitaldojo.in
- 3. Week 3 SEO Implementation for www.digitaldojo.in and reporting

We wish you the best in this internship. We hope for a mutually beneficial association during this term.

showcased and targets achieved) will be provided with an experience certificate. Interns who excel during their term interns will be given targets during the period of internship. All interns who complete the internship (based on efforts Terms & Conditions of Internship – Please note that offer of internship does not guarantee certificate of internship. All will be provided will a personal letter of recommendation on company letterhead.

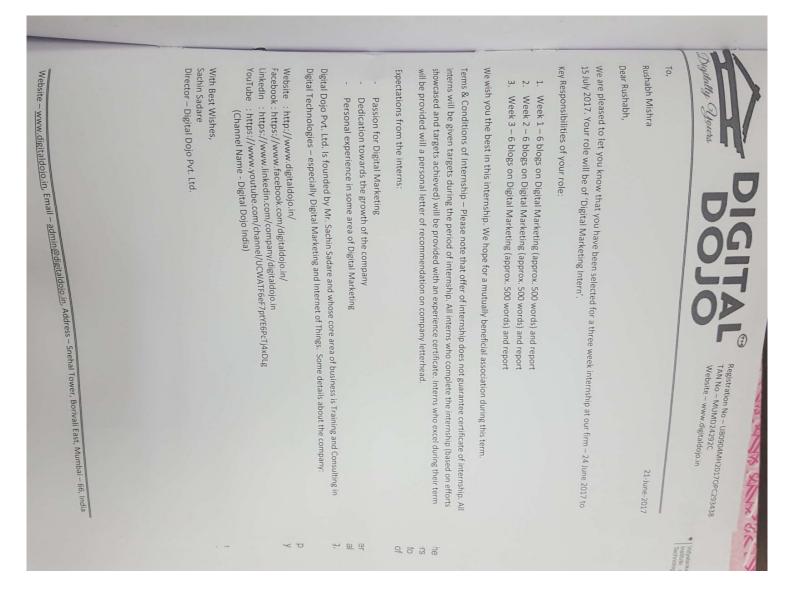
Expectations from the interns:

- Passion for Digital Marketing
- Dedication towards the growth of the company
- Personal experience in some area of Digital Marketing

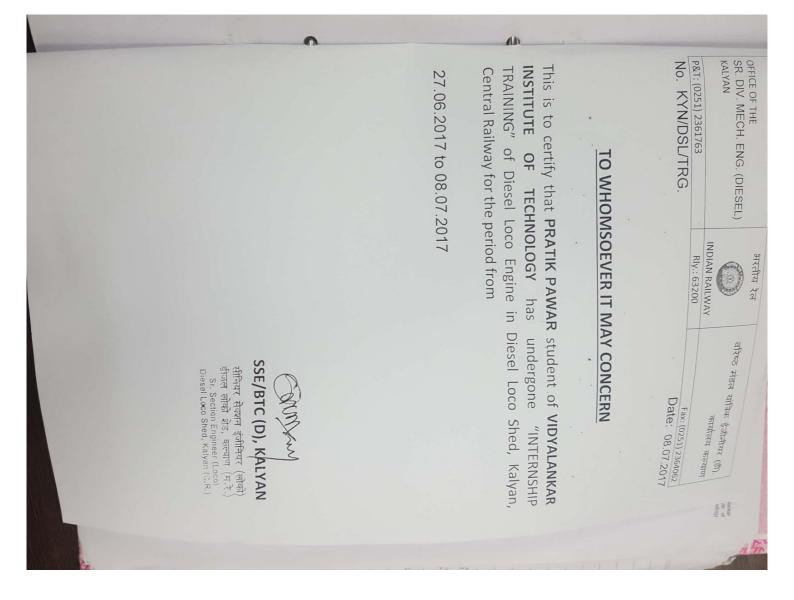
Digital Technologies - especially Digital Marketing and Internet of Things. Some details about the company: Digital Dojo Pvt. Ltd. Is founded by Mr. Sachin Sadare and whose core area of business is Training and Consulting in

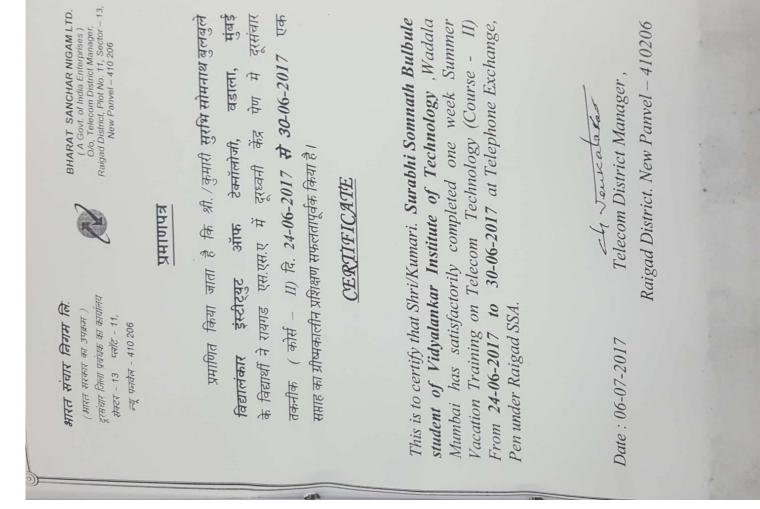
Website : http://www.digitaldojo.in/ Facebook : https://www.facebook.com/digitaldojo.in/ LinkedIn : https://www.linkedin.com/company/digitaldojo.in YouTube : https://www.youtube.com/channel/UCWATF6eF7ptYE6PcTj4xDLg (Channel Name - Digital Dojo India)

With Best Wishes, Sachin Sadare Director – Digital Dojo Pvt. Ltd.



	a	
वरि.मंडल यांत्रिक ईजीनीयर(डी) कार्यालय कल्याण	भारतीय रुव	OFFICE OF THE SR. DIV. MECH. ENG.(D)
P&T: (0251) 2361763 ter No. KYN/BTC/06	Rly.: 63200	Fax: (0251) 2364060
Principal VIT	:	Date 23.06.201
ject:- Safety & environment protection related necessary instructions that owed during <u>رممیتند</u> م	otection related necessary	/ instructions that must be
erence:- yours letter noV.T.T./T.N.P/2017 /285 pd. &5/6/117.	I.J.T. M.P/2017/285	
As pe subject to following condi od.	As per above reference letter, permis conditions to be followed by your	As per above reference letter, permission is hereby accorded conditions to be followed by your during the visit
	e ensured on pit lines & Platforms. e crossing the railway tracks. thoes on shop floors from moving machinery & locomotive parts in the shed premises.	rections re shed premises.
eep vigilant while present on workplace. not operate any machine or locomotive without permission of concerned section in charge derstand integrated Management System policy of Diesel loco shed Kalyan before visit th irronment related cleanliness to be Maintained. entle Behaviour & Peace to be Maintained on shop Floor. entle Behaviour & Peace to be Maintained on Shop Floor. mings to be followed as per Instruction of Training Incharge. bmit the Final Report of Training Programme / Visit to the Training In charge.	otive without permission of cor ystem policy of Diesel loco si Maintained. ntained on shop Floor. ion of Training Incharge. ogramme / Visit to the Trainin	n of concerned section In charge. Joco shed Kalyan before visit the shed. 2. Training In charge.
つ	ation will not bear any cost &	responsibility in this regard. Wledge the above
	ADI	ADME (Diesel) KYN
and town it is to recting	and An	
1. H	15/ 18m	





TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Ashok Patel of Third Year Biomedical Engineering branch from Vidvalankar Institute of Technology, Mumbai (Wadata) has completed his Industrial

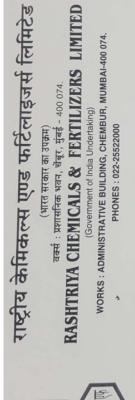
Training satisfactorily in our company during the period of Three Weeks from

25 June 2017 to 15th July 2017.

During the training it was observed that he was obedient and sincere to his work. We wish the best for his future career.

For Biomedicare Imaging Company

BIO-MEDICARE Imaging Ce. Fact.: W-79 (B) MIDC, Childol Ambarneth (W.), Diat. Thans



an lo

CORPORATE MANAGEMENT DEVELOPMENT CENTRE

No. CMDC/VT/2017

5th Sept, 2017

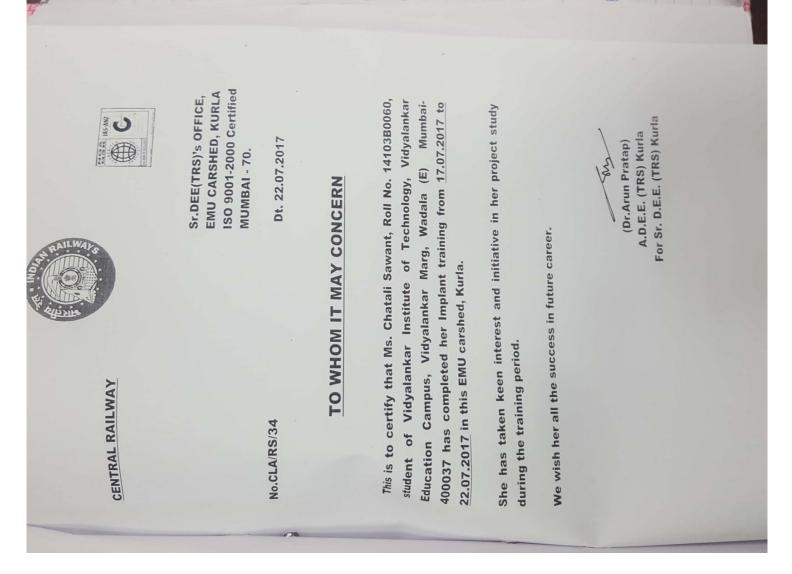
"TO WHOMSOEVER IT MAY CONCERN"

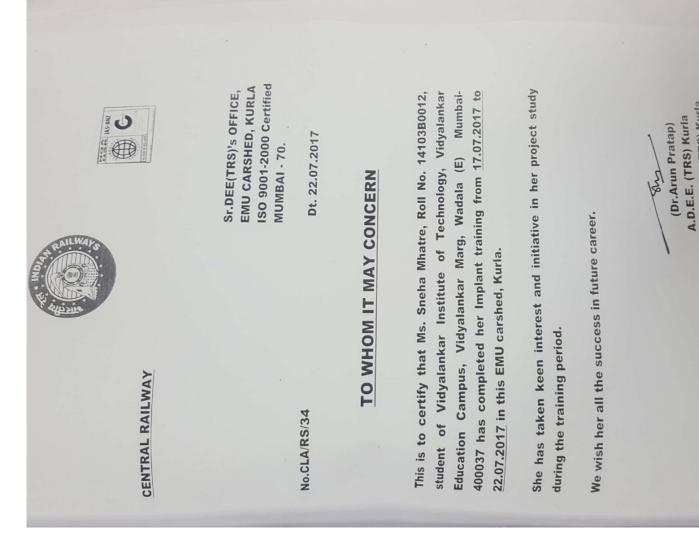
This is to certify that **Ms. Mansi Kosamkar**, student from Vidyalankar Institute of Technology, Vidyalankar Marg, Wadala (E), Mumbai-400037, was with us for training from 15/06/17 to 01/07/17.

She has successfully completed her training & project on "Information Security" under the guidance of Shri.Vijay Mutadak, Dy. General Manager (IT). During the period of her training with RCF, she took keen interest in learning various aspects of the subject matter. Her performance was excellent during the period she was with us. We wish her a very successful career.

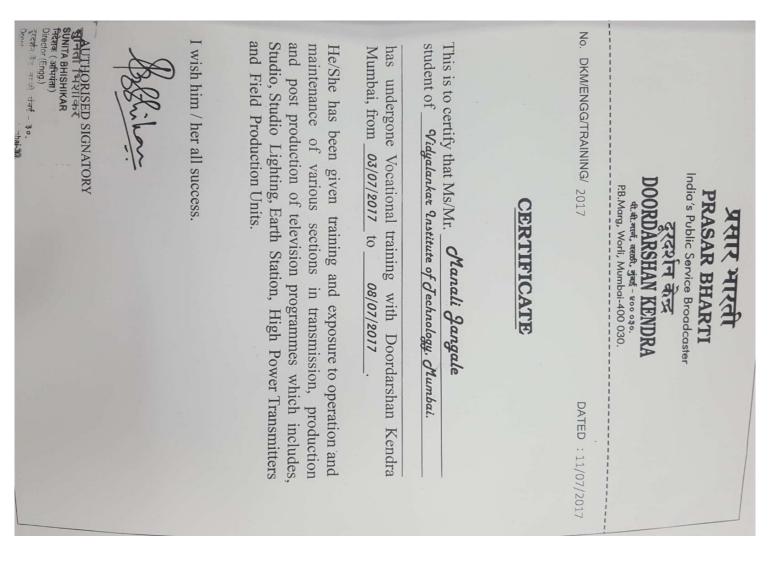
(Rupali Wadhwani) Manager (HRD)

पंजीकृत कार्यालय : 'प्रियदर्शनी', ईस्टने एक्सप्रेस हाइवे, मुंबई - 400 022. REGD. OFFICE : 'PRIYADARSHINI', EASTERN EXPRESS HIGHWAY, MUMBAI-400 022. PHONE : 022-25522000



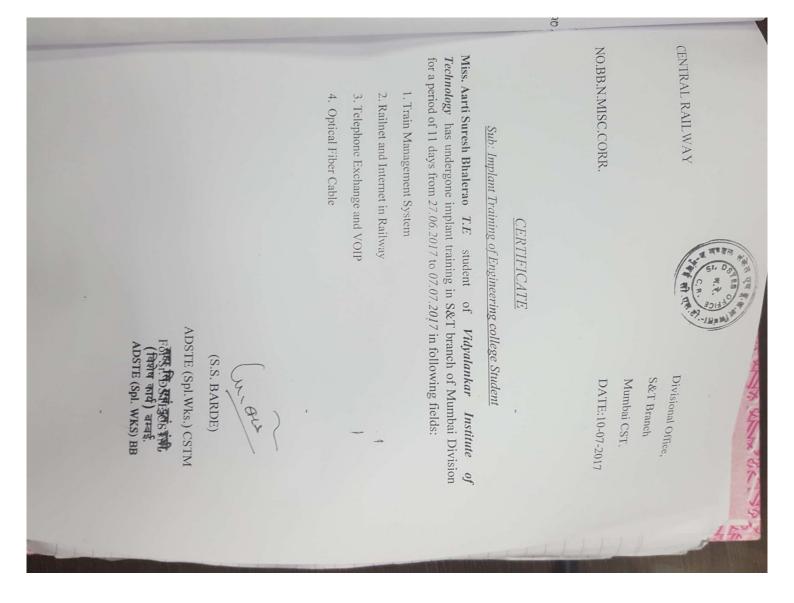


For Sr. D.E.E. (TRS) Kurla

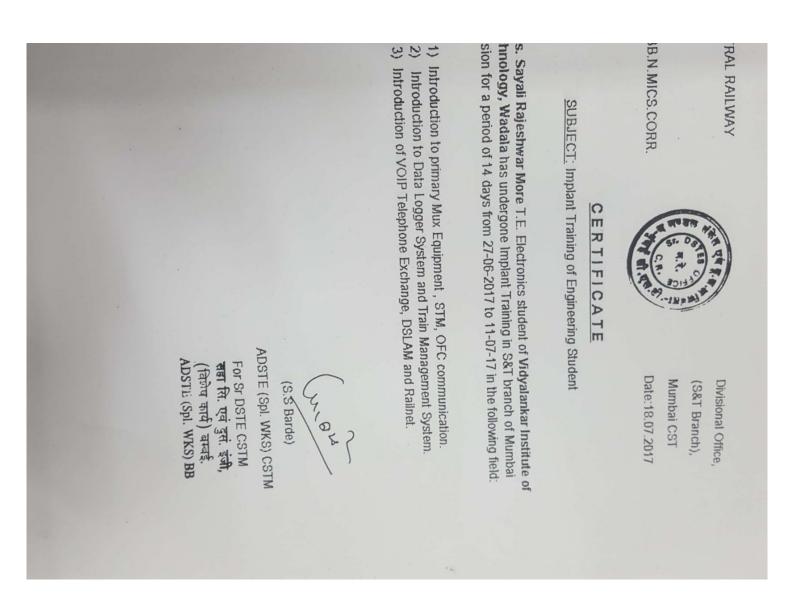


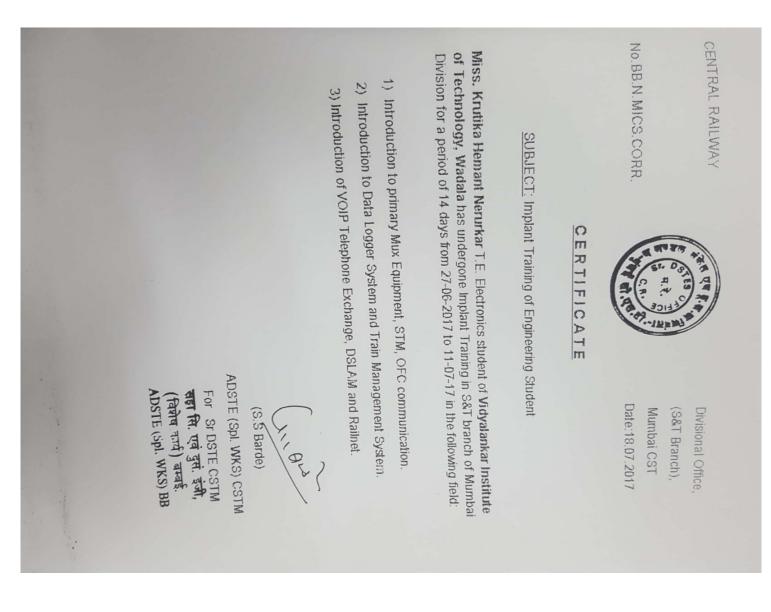
 Fiss. Megha Mahendra Kharat T.E. student of Vidyalankar Institute of Technonlogy. Yadda has undergone implant training in S&T branch of Mumbai division for a period of 14 Talin management system Railnet and Itemet in Railway Telephone exchanges and VOIP Optical fiber cable SEAR ADSTE (spinws) cs For Stronz 20, 17 and 1 area ADSTE (spinws) cs ADSTE (spinws) cs ADSTE (spinws) cs ADSTE (spinws) cs For Stronz 20, 17 and 1 area ADSTE (spinws) cs For Stronz 20, 17 and 1 area ADSTE (spinws) cs For Stronz 20, 10 area ADSTE (spinws) cs ADSTE (spinws) cs For Stronz 20, 10 area 	Sub:Implant Training of Engineering College	CERTIFICATE	Central Railway
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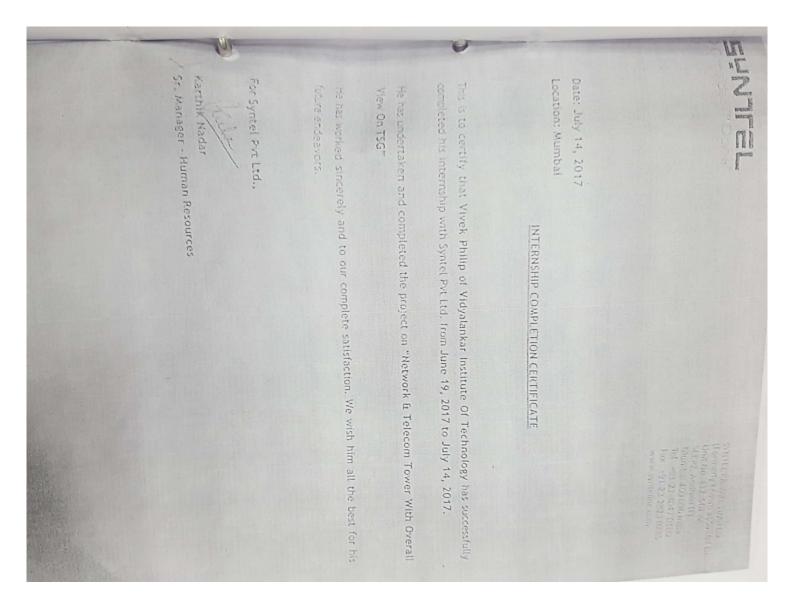
Central Railway NO.BB.N.MISC.CORR undergone implant training in S&T branch of mumbai division for a period of 10 days from 27.06.17 to 07.07.17 in following fields Mr.Rohit Gautam Waghmare T.E student of Vidyalankar Institute Of Technology has 4. Optical fiber cable 2. Railnet and Internet in Railway 1. Train management system ω Telephone exchanges and VOIP Sub:Implant Training of Engineering College CERTIFICATE For Sr DSTE CSTM सहा सि. एवं दुसं. इंजी, (विशेष कार्य) वान्वई. ADSTE (Spl. WKS) 9B ADSTE (spl wks) CSTM VILLANA **Divisional Office** (S.S.BARDE) 10/7/2017 Mumbai CST S&T Branch



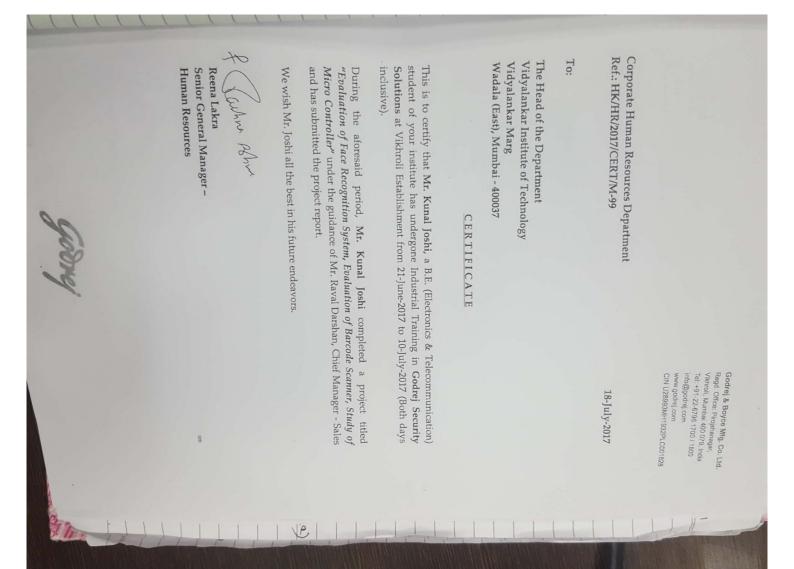
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		ADSTE (Spl. Wks.) CSTM सहा मि. एवं दुसं. इंजी, पु(बार्मेष: कीर्थ) विदिही M ADSTE (Spl. WKS) BB
		(S.S. BARDE)
		4. Optical Fiber Cable
		3. Telephone Exchange and VOIP
		2. Railnet and Internet in Railway
	10 1-	1. Train Management System
Divisional Office, S&T Branch Mumbai CST. DATE:10-07-2017 Lant Training of Engineering college Student	б. ј. ј. ј.	Ais. Dipali Vinayak Gadhade <i>T.E</i> student of <i>Vidyalankar Institute of Fechnology, Wadala</i> has undergone implant training in S&T branch of Mumbai Division for a period of 11 days from 27.06.2017 to 07.07.2017 in following fields:
CERTIFICATE		Sub: Implant Training of Engineering college Student
Divisional Office, S&T Branch Mumbai CST. DATE:10-07-2017		CERTIFICATE
Divisional Office, S&T Branch Mumbai CST. DATE:10-07-2017		
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Divisional Office, S&T Branch		
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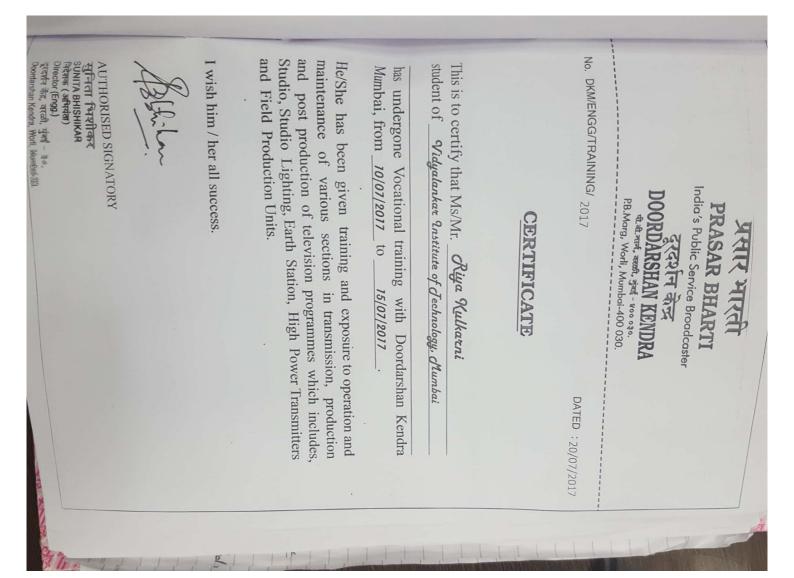


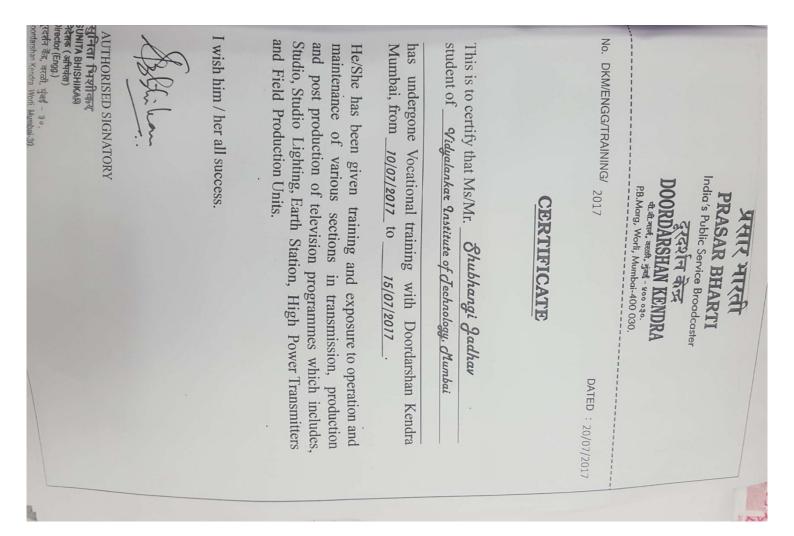


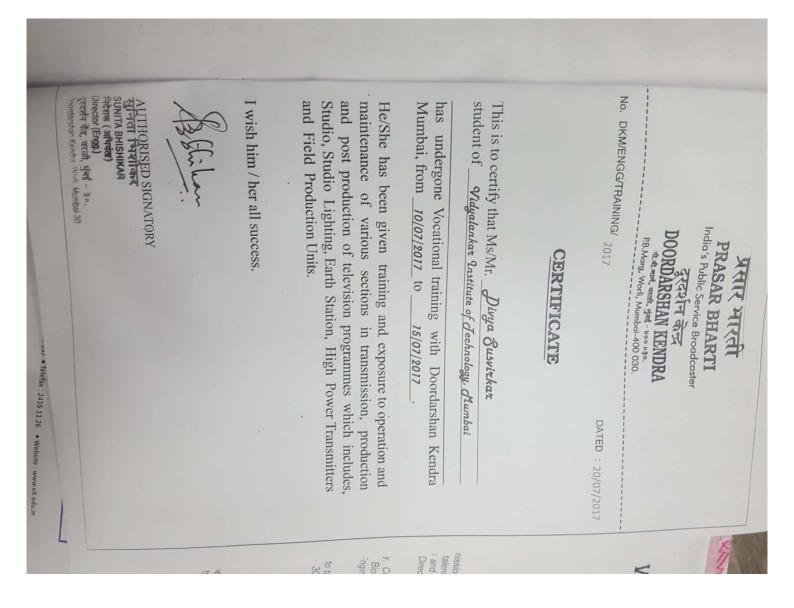
CENTRAL RAILWAY NO.BB.N.MISC.CORR. **Technology,** *Wadala* has undergone implant training in S&T branch of Mumbai Division for a period of 11 days from 27.06.2017 to 07.07.2017 in following fields: Mr. Prem Ramesh Lotekar T.E student of Vidyalankar Institute Of 2. Railnet and Internet in Railway 4. Optical Fiber Cable 3. Telephone Exchange and VOIP 1. Train Management System Sub: Implant Training of Engineering college Student CERTIFICATE ADSTE (Spl.Wks.) CSTM ADSTE (Spl. WKS) BB विशेष कार Uni-Que (S.S. BARDE) S&T: Branch Mumbai CST. Divisional Office, DATE:10-07-2017 बम्बई.



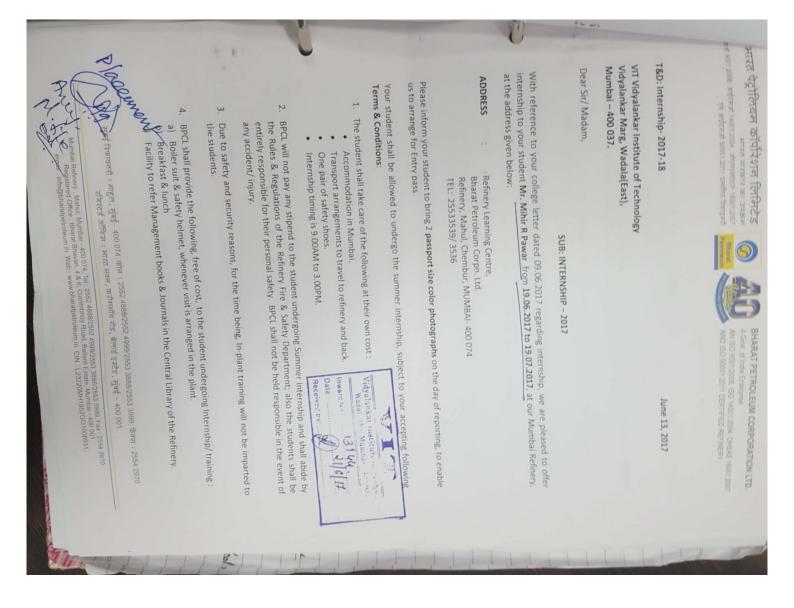
Serve 30/1	Perioo Name Desig Mobi	Address:	Nature Eval	Academic Year: Mobile No.:	8 Name of	_	F 9			3 4		Sr. No.	his/her internship v below mentioned F 1-Below Average	Dear Sir / Madam, We appreciate you We the same. We	WIT Hoyalankar Institute of Technology
Sawath (). 30 10 17 signature of the Reporting Officer	Period of Internship: From: <u>Savra bl. Chevnel hi</u> Name of the Reporting officer: <u>Savra bl. Chevnel hi</u> Designation: <u>Sr. Mongor Tech (e)</u> Mobile No: <u>9892277587</u> Email Id: <u>Savra bly@goclrej.com</u>	4 Bay ce Mfg. Co. Ltd., 4 Day ce Mfg. Co. Ltd., - 4000 57 To:	Spk for converting 20 face to	Ic Year: Branch & Urvision Email Id:	8 Overall Performance Roll No	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Willingness to learn Graen of subject	Performance Parameters	his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale 1-Below Average 2 – Average 3 – Good 4 – Excellent	pear Sir / Madam, pear Sir / Madam, We appreciate your valuable contribution in the development of our student and are highly obliged we appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during for the same.	
	rej:(om	pirejshonger,	30 relation for Godine			5	5		77	5	7	1 2 3 4	tudent based on the	d are highly obliged f our student during	Internship Feedback Form

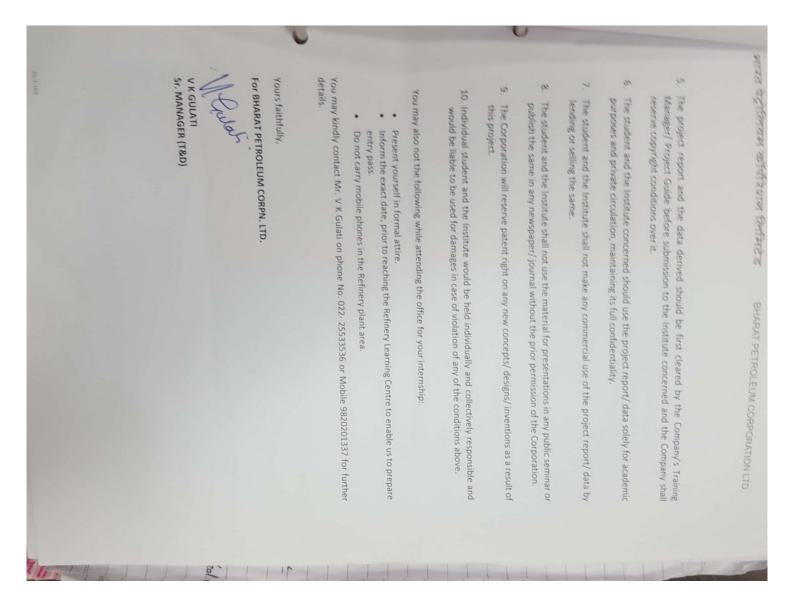




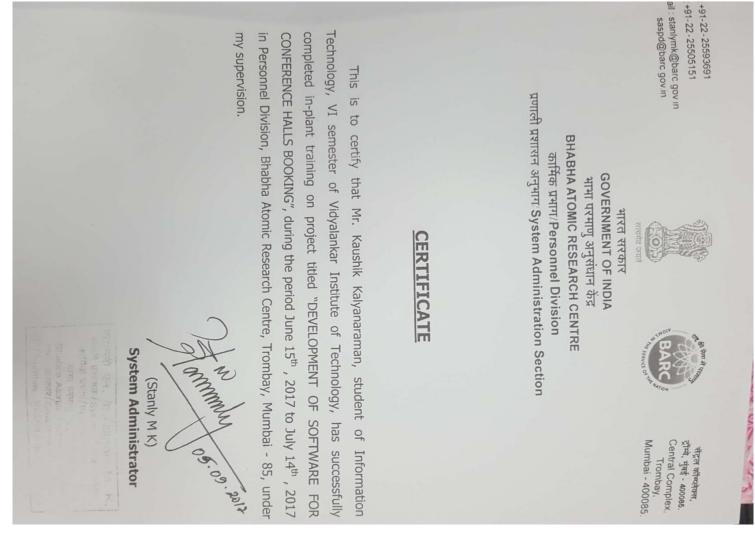


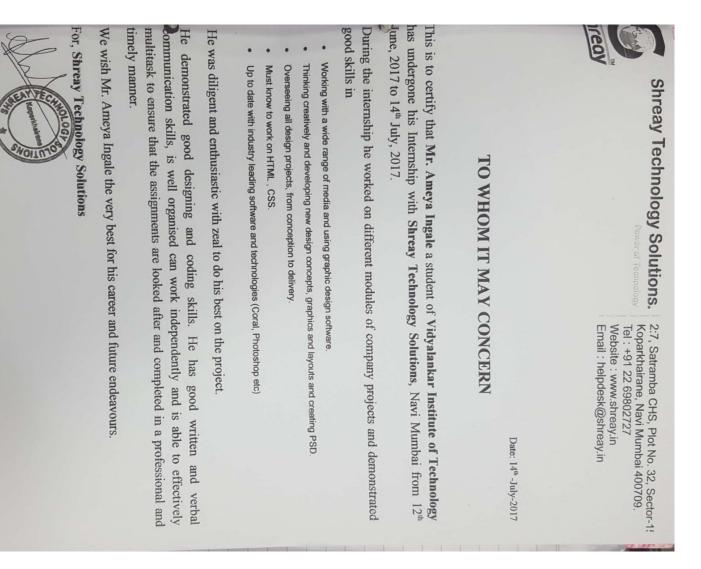
CA Third Year, Comp.Eng. at Vidyalankar Inst. of Technology, Wadala College / University has undergone intern-ship from 16.6.17 to 04.07.17 at Information Technology Cen-ASHWINI AHIRE tre, N.A.Building, Central Railway, C.S.T. Mumbai, Maharashtra. Development o-His / Her project was based on with creation Shishir Mathur AEDPM(T) Information Technology Centre, Central Railway Certificate of Internship Web based - database d in My SQL. at Vidyalankar Inst. of **Puneet Meena** Sr.AFA(IT)





has completed Inplant Training | Project Works at BPCL, Mumbui This is to certify that Mr. Als. Refinery, Mahul during the period 19.06.2017 and has submitted the Project Report on : Mumbar -Charat Petroleum Corporation Zim, Monmad. -Mumbai Refinery Patrola Bhara Bimasan Vanualt. Pipuline (MMEPL) tu 14.07.2017





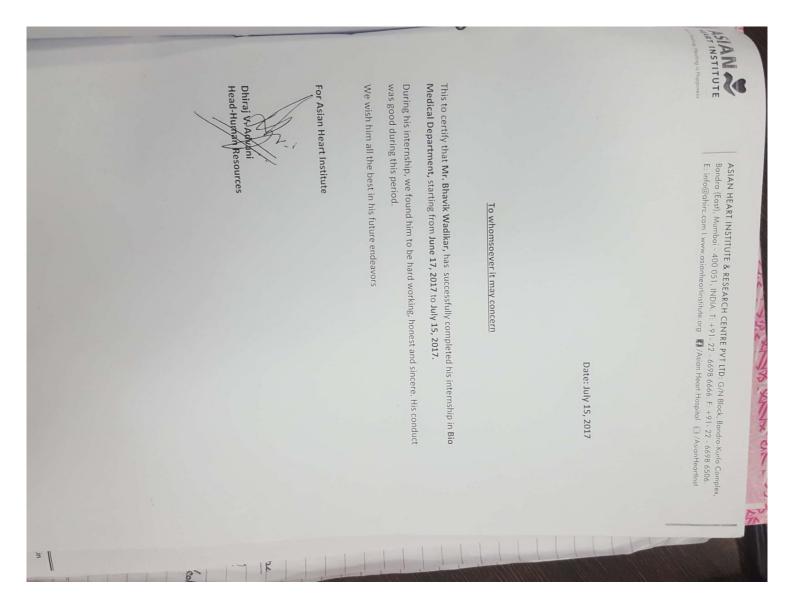
Director

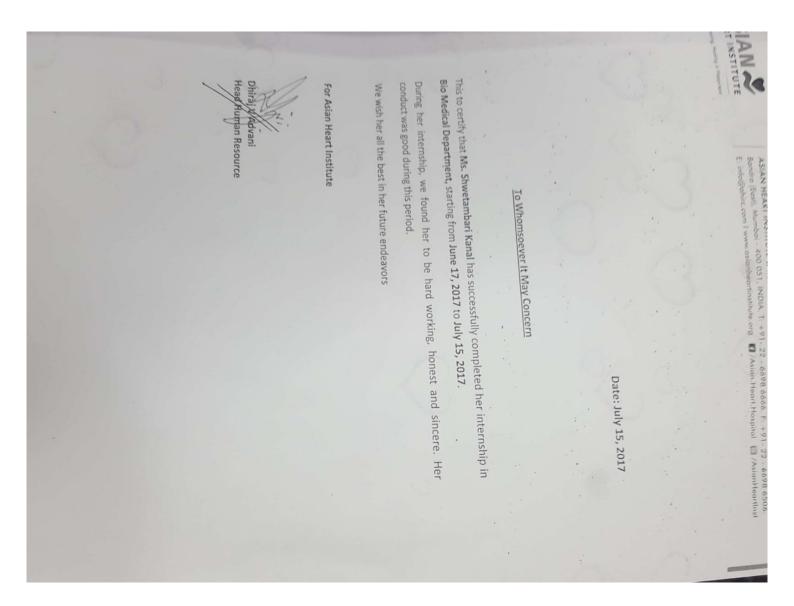
Akash Tanawade

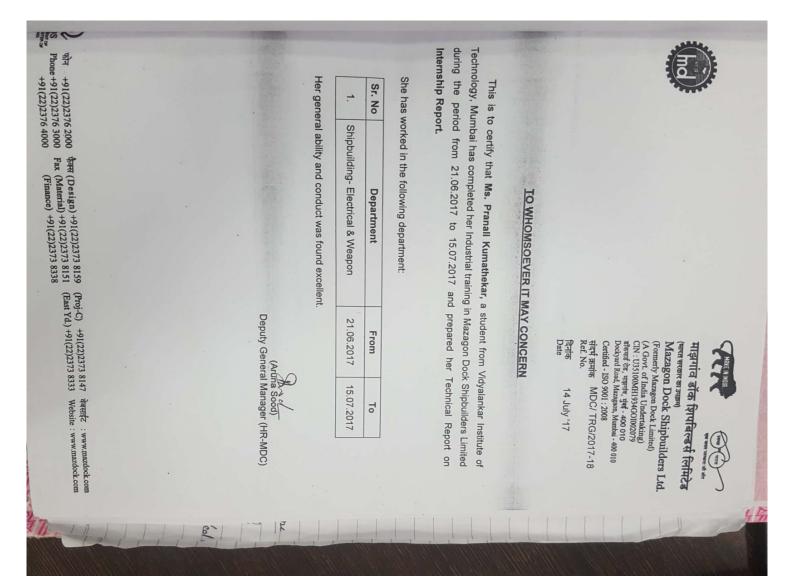


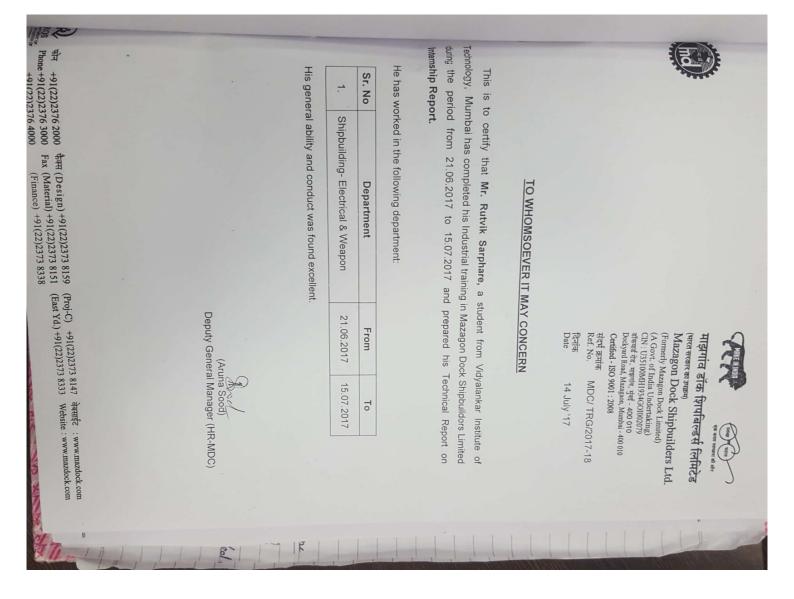
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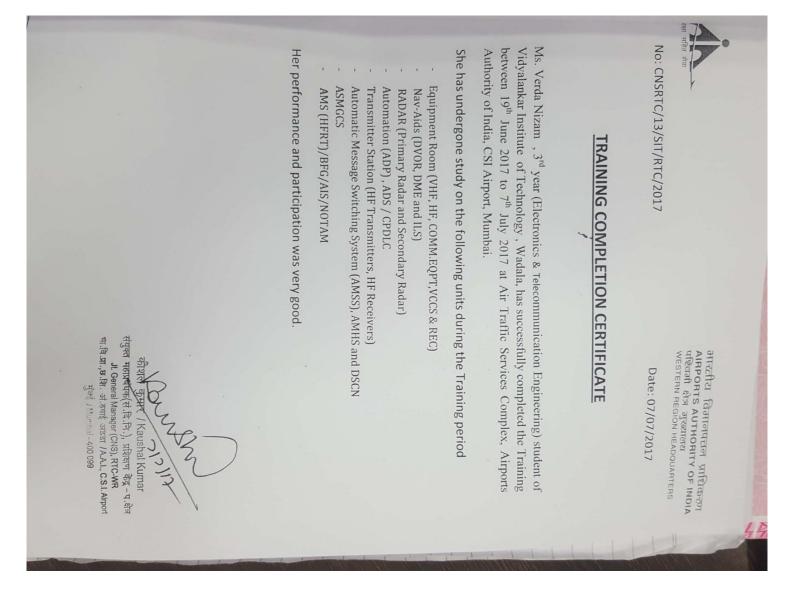


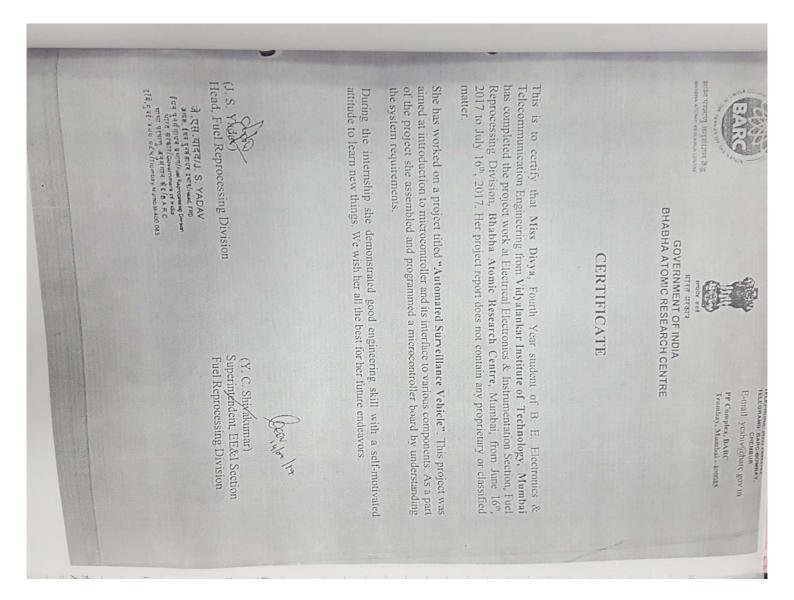


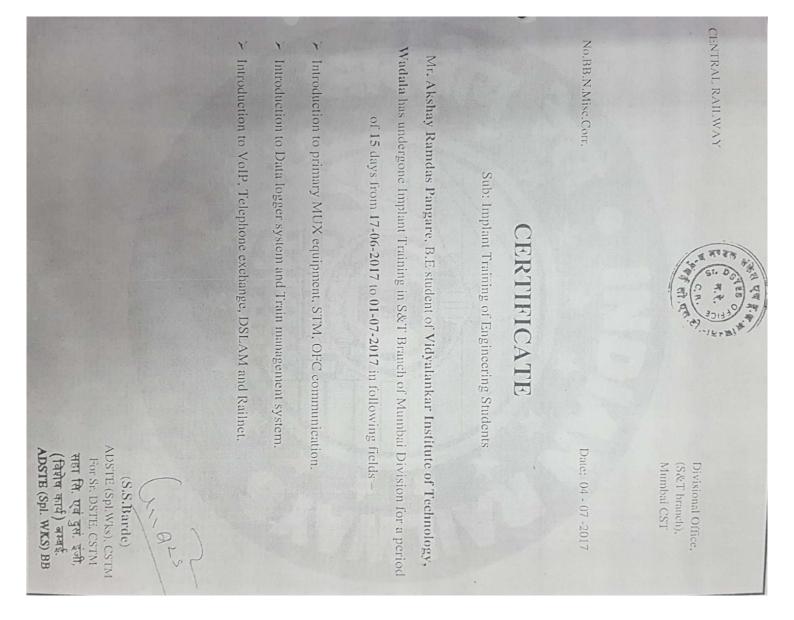












CENTRAL RAILWAY



Divisional Office, (S&T branch), Mumbai CST

No.BB.N.Misc.Corr.

Date: 04 - 07 - 2017

CERTIFICATE

Sub: Implant Training of Engineering Students

Miss. Susmita Manohar Kate, B.E student of Vidyalankar Institute of Technology, Wadala has undergone Implant Training in S&T Branch of Mumbai Division for a period of 15 days from 17-06-2017 to 01-07-2017 in following fields –

Introduction to primary MUX equipment, STM, OFC communication.

> Introduction to Data logger system and Train management system.

Introduction to VoIP, Telephone exchange, DSLAM and Railnet.

BLS

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(S.S.Barde) ADSTE (Spl.Wks), CSTM For Sr. DSTE, CSTM सहा सि. एवं दुसं. इंजी, (विशेष कार्य) बम्बई. ADSTE (Spl. WKS) BB



SI. No. SDC/Summer Trg/2017-18/393

Work Centre: Mumbai

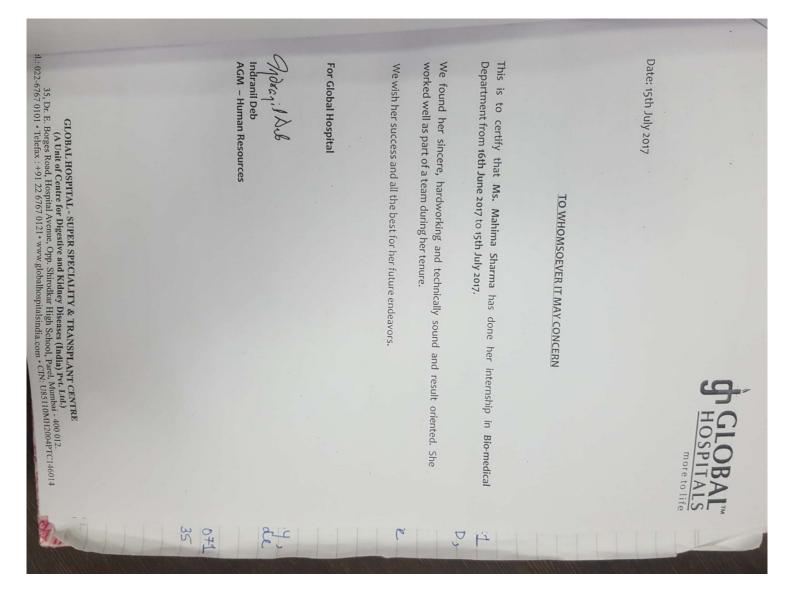
CERTIFICATE

This is to certify that Mr/Ms Tejas Shilwant, a student of B.E. (Electronics Engg.), Vidyalankar Institute of Technology, Mumbai, has undergone Summer Training at Infocom section,WOB, Priyadarshini, ONGC, Mumbai, from 15/06/2017 to 14/07/2017.

He/She has successfully completed his/her Project Work on "Role of Communication in ONGC" in the discipline of Electronics Engg. under the guidance of Mr Ashirwadam G., SE(E&T).

During the Training, he/she took keen interest in the assigned work. We wish him/her all success in his/her academic endeavours and life.

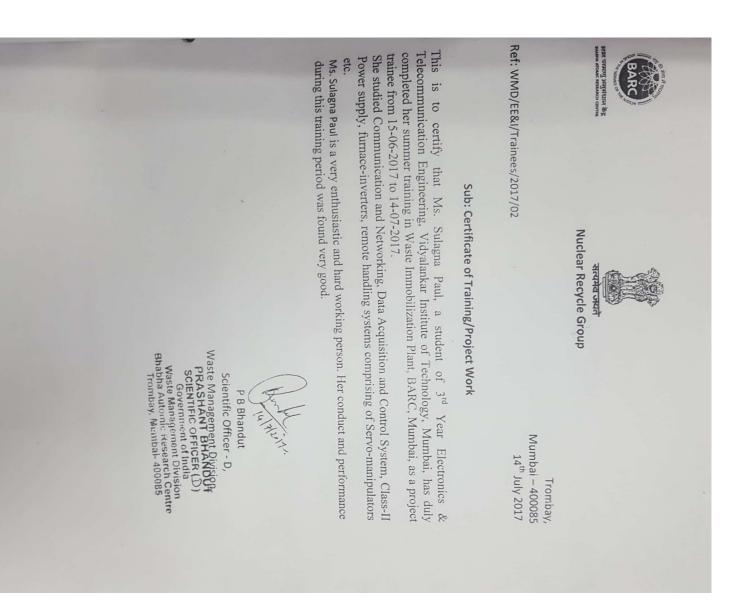
Date: 27/07/2017 Place: Mumbai (Pawan Kumar) Asst. Executive Engineer (P) Training Co-Ordinator

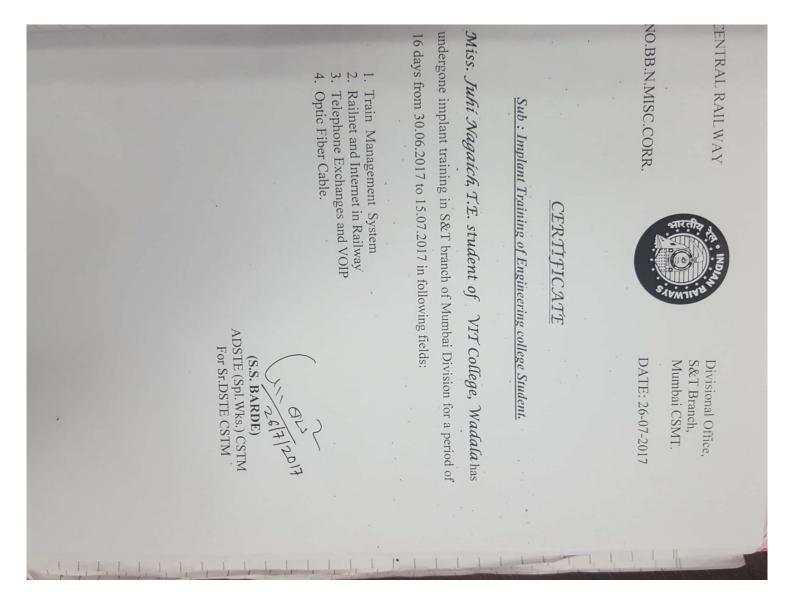


Yours sincerely, For Bosch Limited, Dipák Pimpalkar Deputy Manager Technical Engineering Functions	We wish him success in his future endeavours.	This is to certify that Mr. Rugved Shekhar Deshpande , student of Vidyalankar Institute of Technology, Mumbai, pursuing B.E in Electronics was engaged as Project Trainee at Bosch Ltd. Nashik, from 16.06.2017 to 11.07.2017 and has worked on the project -"Solar Scada & energy consumption per piece " under the guidance of Mr. Dipak Pimpalkar – Deputy Manager, Technical Engineering Functions.	HRL CERTIFICATE		Nashik Plant TO WHOM SO EVER IT MAY CONCERN
Sneha Oak Deputy Manager Human Resources		, student of Vidyalankar Institute of ged as Project Trainee at Bosch Ltd. the project - "Solar Scada & energy mpalkar - Deputy Manager, Technical	11.07.2017	Bosch Limited Piot No. 75, MIDC Estate, Trimbak Road, Sagur, Post Bag No. : 64, Nashik - 422 007, INDIA www.boschindla.com PAN No. : AAACM 9840 p	Bosch

y build suit a safety iterinet, whenever visit is an anged in the plant. (Vib) Brackfast & funch c) Facility to she Management hooks & lowership in the Control Liberary of the Boffmont	 BPCL shall provide the following, free of cost, to the student undergoing Internship/ training : A) Relier suit & enforts helment whenever visit is arranged in the plant 	The being of the time being in-plant training will not be imparted to the time being in the students.	2. BPCL will not pay any stipend to the student undergoing SummerRetereship:and shall addide by the Rules & Regulations of the Refinery Fire & Safety Department; also the students shall be entirely responsible for their personal safety. BPCL shall not be held responsible in the event of any accident/ injury.	 The student shall take care of the following at their own cost: Accommodation in Mumbai. Transport arrangements to travel to refinery and back. One pair of safety shoes. Internship timing is 9.00AM to 3.00PM. 	us to arrange for Entry pass. Your student shall be allowed to undergo the summer internship, subject to your accepting following Terms & Conditions:	Please inform your student to bring 2 passport size color photographs on the day of reporting, to enable	ADDRESS : Refinery Learning Centre, Bharat Petroleum Corpn. Ltd. Refinery, Mahul, Chembur, MUMBAI- 400 074 TEL: 25533539/ 3536	With reference to your college letter dated 08.05.2017 regarding internship, we are pleased to offer internship to your student Mr. Akul A Prabhudesai from 15.06.2017 to 14.07.2017, at our Mumbai Refinery, at the address given below:	Dear Sir/ Madam, SUB: INTERNSHIP – 2017	VIT Vidyalankar Institute of TechnologY Vidyalankar Educational Campus, Vidyalankar Marg, Wadala(E), Mumbai-400 037		May 08, 2017	मारत पेट्रोलियम कॉपरिशन लिमिटेड अगवत सरकार का उपक्रम अगव सरकार का उपक्रम पुंच आईरम्झो 1001:2004, ओएएसएस 18001:2007 Maar मारत पेट्रोलियम कॉपरिशक का उपक्रम अगठ 2008 अईरम्झो 1001:2004, ओएएसएस 18001:2007 Maar मारत पेट्रोलियम कॉपरिशक का उपक्रम अगठ 2008 अईरम्झो 1001:2004, ओएएसएस 18001:2007 2001 2008 अईरम्झो 1001:2004 अगिल सिमाइजरी Maar मारत पहें आईरमझो 5001:2011 अगमित सिमाइजरी Maar मारत का अंग्रे का	
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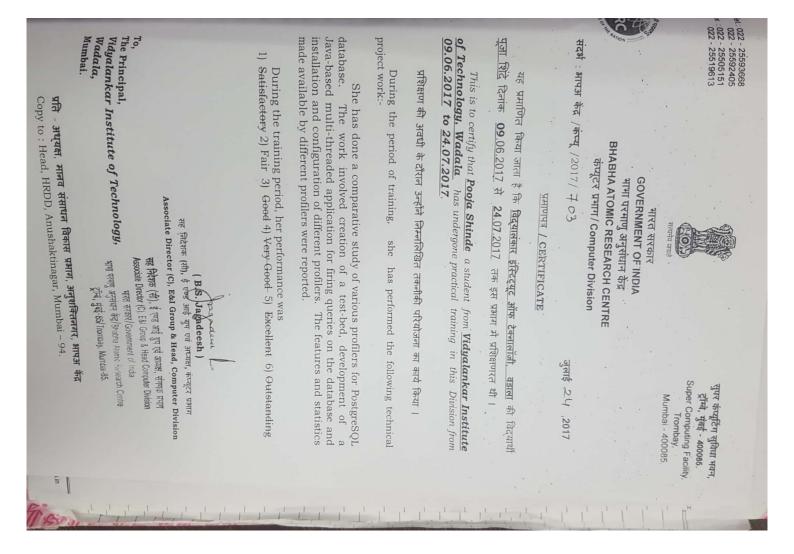
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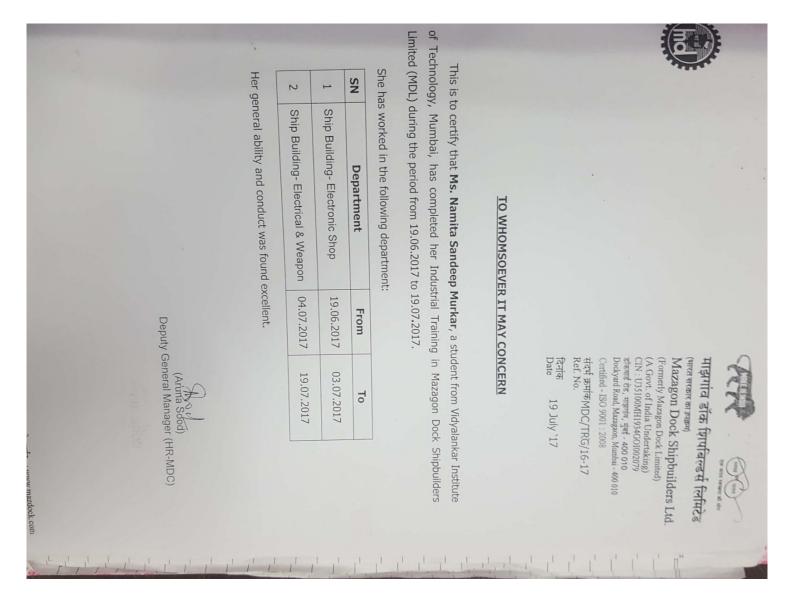




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OR Tables	Introduction to Products	Assembling Power supply & making it functional	Practical

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SI. No. SDC/Summer Ind. Trg/2017-18/330

Work Centre: Mumbai

CERTIFICATE

This is to certify that Mr/Ms Amitesh Prashant Patil, a student of B.E. (Electronics & Telecommunication), Vidyalankar Institute of Technology, Mumbai, has undergone Summer Industrial Training at MH Asset, NBP Green Heights, ONGC, Mumbai, from 15/06/2017 to 14/07/2017.

He/She has successfully completed his/her Project Work on "Satellite Communication in ONGC" in the discipline of Electronics & Telecommunication under the guidance of Mr Mahadeo, CE (E&T).

During the Training, he/she took keen interest in the assigned work. We wish him/her all success in his/her academic endeavours and life.

Date: 05/09/2017 Place : Mumbai

रस. वी. शाह / S. B. Shah नीक्षक अभियंता (उत्पादन)/Supt. Enginee ओएनजीसी, कौशल विकास केंद्र, युंबई ONGC, Skill Development Centre, Mumb

Training Co-ordinator



SI. No. SDC/Summer Ind. Trg/2017-18/328

Work Centre: Mumbai

CERTIFICATE

This is to certify that Mr/Ms Anish N. Keny, a student of B.E. (Electronics & Telecommunication), VIT, Mumbai, has undergone Summer Industrial Training at NBP Green Heights, ONGC, Mumbai, from 15/06/2017 to 14/07/2017.

He/She has successfully completed his/her Project Work on "Satellite Communication in ONGC" in the discipline of Electronics & Telecommunication under the guidance of Mr Mahadeo, CE (E&T).

During the Training, he/she took keen interest in the assigned work. We wish him/her all success in his/her academic endeavours and life.

Date: 10/01/2018 Place : Mumbai

एस. बी. शाह / S. B. Shah अधीक्षक अभियंता (उत्पादन)/Supt. Engineer (P.) जोएनजीसी, कौशल विकास केंद्र, मुंबई ONGC, Skill Development Centre, Mumbai Training Co-ordinator

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SI. No. SDC/Summer Ind. Trg/2017-18/329

Work Centre: Mumbai

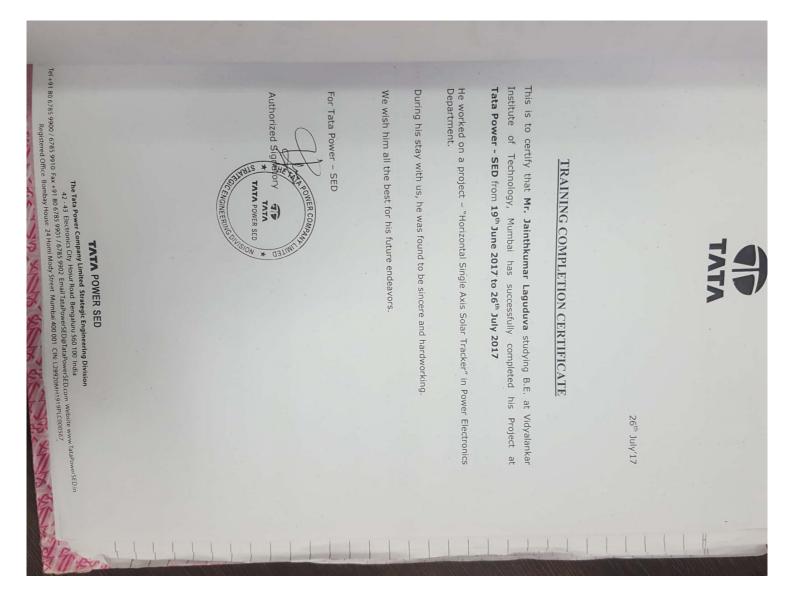
CERTIFICATE

This is to certify that Mr/Ms Samprit M. Surve, a student of B.E. (Electronics & Telecommunication), VIT, Mumbai, has undergone Summer Industrial Training at NBP Green Heights, ONGC, Mumbai, from 15/06/2017 to 14/07/2017.

He/She has successfully completed his/her Project Work on "Satellite Communication in ONGC" in the discipline of Electronics & Telecommunication under the guidance of Mr Mahadeo, CE (E&T).

During the Training, he/she took keen interest in the assigned work. We wish him/her all success in his/her academic endeavours and life.

Date: 10/01/2018 Place : Mumbai एस. वी. शाह / S. B. Shah अधीक्ष अभिवेता (उत्पादन)/Supt. Engineer (P.) जोएकवीली, कीशत विकास केंद्र, मुंबई ONGC, Skill Development Centre, Mumbai Training Co-ordinator



	(विशेष कार्य) बम्बई. ADSTE (Spl. WKS) BB		
	ADSTE (Spl.Wks)CSTM For Sr.DSTE CSTM सहा सि. एवं दुसं. इंजी,		
	(S.S. Barde)	MUX and STM UTS and PRS Telephone Exchange	1. M 2. U 3. Te
	ite of Technology (Wadala) has for a period of 15days from	Miss Komal Deepak Adarkar , T.E. student of Vidyalankar Institute of Technology (Wadala) has undergone Implant Training in S&T Branch of Mumbai Division for a period of 15days from 17-06-2017 to 1-07-2017 in following fields:-	Miss Kom undergone 17-06-201
1 1	Student.	CERTIFICATE Sub: Implant Training of Engg. Student.	
1	Date: 4-/-2017	(No.BB.N.Misc.Corr.
1 1	Mumbai CST	AND CAL	
	(S & T branch),		ENTRAL MALENT
< == H	Divisional Office,	THE REAL PROPERTY OF THE PROPE	
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	 UTS and PRS Telephone Exchange 	Sonam Prakash Shinde, T. gone Implant Training in: -2017 to 1-07-2017 in fol MUX and STM		No.BB.N.Misc.Corr.	CENTRAL RAILWAY
A THE		Sub: Implant Training of Engg. Student. E. student of Vidyalankar Institute of Technolc S&T Branch of Mumbai Division for a period lowing fields:-	CERTIFICATE		
For Sr.DSTE CSTM सहा सि. एवं दुस. इजी, (विश्रेष कार्य) बम्बई. ADSTE (Spl. WKS) JB	(S.S.Barde)	ygy (Wadala) has of 15days from		Divisional Office, (S & T branch), Mumbai CST Date: 4-7-2017	



SI. No. SDC/Summer Ind. Trg/2017-18/327

Work Centre: Mumbai

<u>CERTIFICATE</u>

This is to certify that Mr/Ms Tejas Sanjay Jore, a student of B.E. (Electronics Engg.), Vidyalankar Institute of Technology, Mumbai, has undergone Summer Industrial Training at Infocom, MH Asset, NBP Green Heights, ONGC, Mumbai, from 20/06/2017 to 20/07/2017.

He/She has successfully completed his/her Project Work on "Satellite Communication in ONGC" in the discipline of Electronics Engg. under the guidance of Mr Mahadeo, CE (E&T).

During the Training, he/she took keen interest in the assigned work. We wish him/her all success in his/her academic endeavours and life.

Date: 08/09/2017 Place : Mumbai

एस दी. घाह / S. B. Shah अधीक्षक अभियता (उत्पादन)/Supt. Engineer ओएनजीसी, कौशल विकास केंद्र, बुंबई ONGC, Skill Development Centre, Mumbe

Training Co-ordinator

This is to certify that Mr/Ms Vineet A. Nalekar, a student of B.E. (Electronics Engg.), Vidyalankar Institute of Technology, Mumbai, has undergone Summer Training at MH Asset, NBP Green Heights, ONGC, Mumbai, from 20/06/2017 to 20/07/2017.

He/She has successfully completed his/her Project Work on "Satellite Communication in ONGC " in the discipline of Electronics Engg. under the guidance of Mr Vikas Shinde, DGM (E&T).

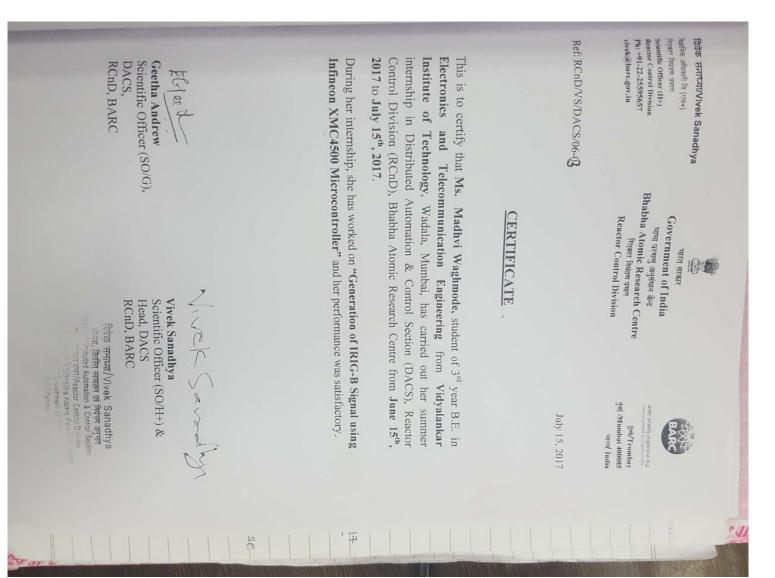
During the Training, he/she took keen interest in the assigned work. We wish him/her all success in his/her academic endeavours and life.

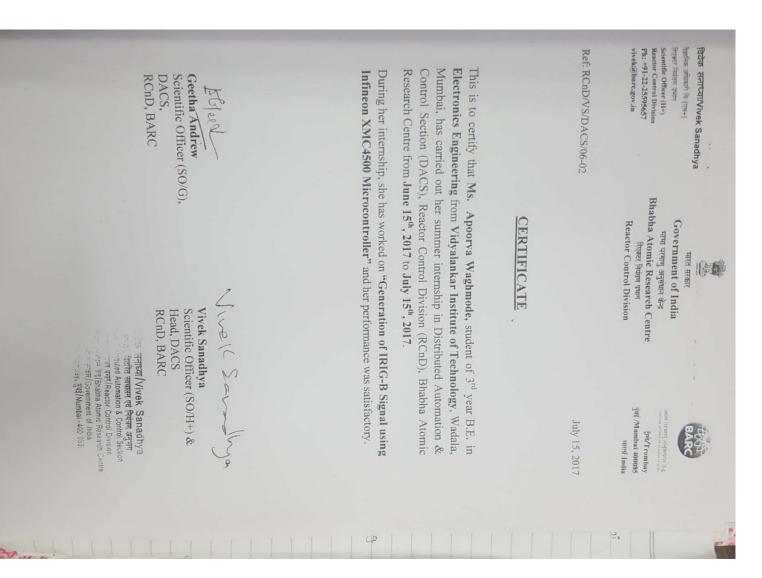
Date: 24/08/2017 Place: Mumbai एस. बी. शाह / S. B. Shah तमीचक जनिपंता (उत्पापन)/Sept. Engineer (P.) जोएननीनी, चीमल विकास केंद्र, जुंबई ONGC, Skill Development Centre, Mandmi

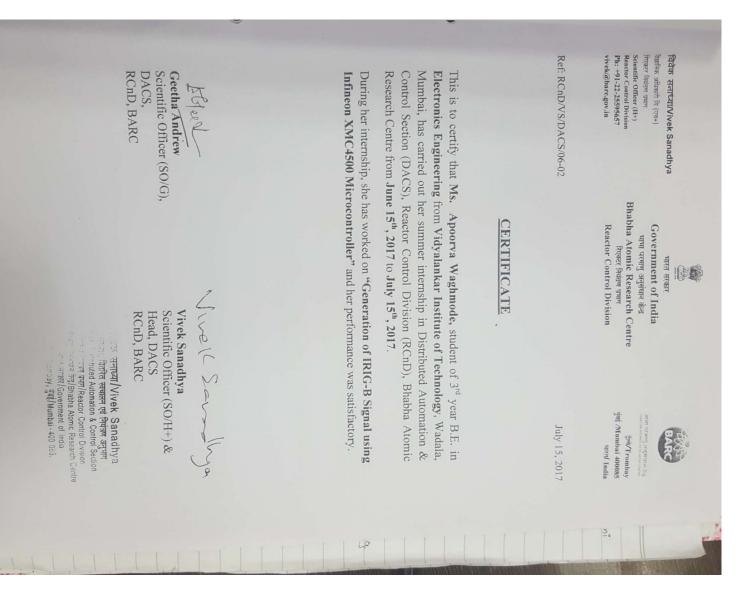
Training Co-ordinator

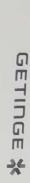
Oil and Natural Gas Corporation Limited Skill Development Centre	Work Centre: Mumbai	CERTIFICATE	This is to certify that Mr/ Ms Vineet A. Nalekar, a student of B.E. (Electronics Engg.), Vidyalankar Institute of Technology, Mumbai, has undergone Summer Training at MH Asset, NBP Green Heights, ONGC, Mumbai, from 20/06/2017 to 20/07/2017.	completed his/ her Project Work on "Satellite in the discipline of Electronics Engg. under the DGM (E&T).	gn	Uti. al., TITE / S. B. Shah antweeter (recurrent)/sec. Expanse (r) antwenden, antwo Resear Mr. and ONCC. Shill Development Canter, Mandal Training Co-ordinator	
해평해해 Oil and Natur Skill	SI. No. SDC/Summer Trg/2017-18/389	CER	This is to certify that Mr/ Ms Vinee Engg.), Vidyalankar Institute of Te Training at MH Asset, NBP Green 20/07/2017.	He/She has successfully completed Communication in ONGC " in the disc guidance of Mr Vikas Shinde, DGM (E&T).	During the Training, he/ she took keen interest in the assigning the solution the solution the him/her all success in his/her academic endeavours and life.	Date: 24/08/2017 Place: Mumbai	

4









13th July 2017

1 1

Certificate

We hereby certify that Ms. Yashashree Kulkarni has participated & successfully completed Summer Internship program for Undergraduate Biomedical Engineers, held by our company from 19th June 2017 to 13th July 2017

The candidate has attended following sessions:

Vishwan: Senior Di		For Maqu	With bes	We admi	9	00	7	6	5	4	3	2	1	Sr. no.	1	Sr. no.		4	ω	2	-	Sr. no.
Vishwanath Joglekar Senior Director- After Market & Services	Jacan?	For Maquet Medical India Pvt. Ltd.,	With best wishes for all future assignments & successful career.	We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.	Infection Control Equipment	Intra- Aortic Balloon Pump	ECMO	Heart Lung Machine	Anesthesia	Advanced Monitoring Devices	Ventilators	OR Lights	OR Tables	Introduction to Products	Assembling Power supply & making it functional	Practical		Infection Control & CSSD Practices	Human Anatomy & Physiology	Basics of Electrical Engineering	Introduction to tools & Electronic Components	Lectures
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				roughout entire program.					HR Management	Sales & Marketing	Quality & Regulatory Issues	Supply Chain Management	Finance Management	Management Topics			Cardiac Perfusion	Principles of Mechanics	Principles of Hydraulics	Electrical Measurements	ESD	E-Learning Exercises

Getinge India Pvt. Ltd. 203 & 204, Fulcrum, 'B' Wing, Sahar Road, 0pp. T2 Airport, Andhert East. Mumbel - 400 099.

Phone : +91 22 6233 2100 Fax : +91 22 6233 2150

Delhi Kolkata Bengaluru Tel, +91 80 4130 7268

Vishw	With be	We adn	9 0	7	6	5	4	ω	2	1	Sr. no.	H	Sr. no.	4		1	2	31, 110,	no	We hereby to program for 2017 The candida					
Vishwanath Joglekar Senior Director- After Market & Services	With best wishes for all future assignments & successful career.	We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.	Infection Control Equipment	Intra- Aortic Balloon Pump	Heart Lung Machine	Anesthesia	Advanced Monitoring Devices	Ventilators	OR Lights	OR Tables	Introduction to Products	Assertioning	Practical Accombling Power supply & making it functional		Indition Control & CSSD Practices	Human Anatomy & Physiology	Racine of Electrical Engineering	Introduction to tools & Electronic Components	Lectures	We hereby certify that Ms. Jasmine Singh has participated & successiumy compared summer increasing program for Unidergraduate Biomedical Engineers, held by our company from 19 th June 2017 to 13 th July 2017 The candidate has attended following sessions:		Certificate			
	er,	ndidate ti					5	4	з	2	1	Sr no.		5	4	3	2	1	Sr. no.	r compan					
		throughout entire program.					HR Management	Sales & Marketing	Quality & Regulatory Issues	Supply Chain Management	Fin	Management Topics		Cardiac Perfusion	Principles of Mechanics	Principles of Hydrautics	Electrical interasticities	ESD	-	ny competed summer internship y from 19 th June 2017 to 13 th July	H		13 th July 2017	GETINGE	

विवेक सनाध्या/Vivek Sanadhya

तेज्ञानिक अधिकारी थि (एच+) रिएक्टर नियंतण प्रभाग Scientific Officer (H+) Reactor Control Division Ph: +91-22-25595657 vivek@barc.gov.in



भारत सरकार Government of India भामा परमाणु अनुसंधान केन्द्र Bhabha Atomic Research Centre रिएक्टर नियंतण प्रमाग Reactor Control Division



ट्रॅाग्वे/Trombay मुंबई /Mumbai 400085 मारत/ India

Ref: RCnD/VS/DACS/06-01

July 15, 2017

CERTIFICATE

This is to certify that Ms. Mounica Jalla, student of 3rd year B.E. in Electronics Engineering from Vidyalankar Institute of Technology, Wadala, Mumbai, has carried out her summer internship in Distributed Automation & Control Section (DACS), Reactor Control Division (RCnD), Bhabha Atomic Research Centre from June 15th, 2017 to July 15th, 2017.

During her internship, she has worked on "Generation of IRIG-B Signal using Infineon XMC4500 Microcontroller" and her performance was satisfactory.

Effect

Geetha Andrew Scientific Officer (SO/G), DACS, RCnD, BARC

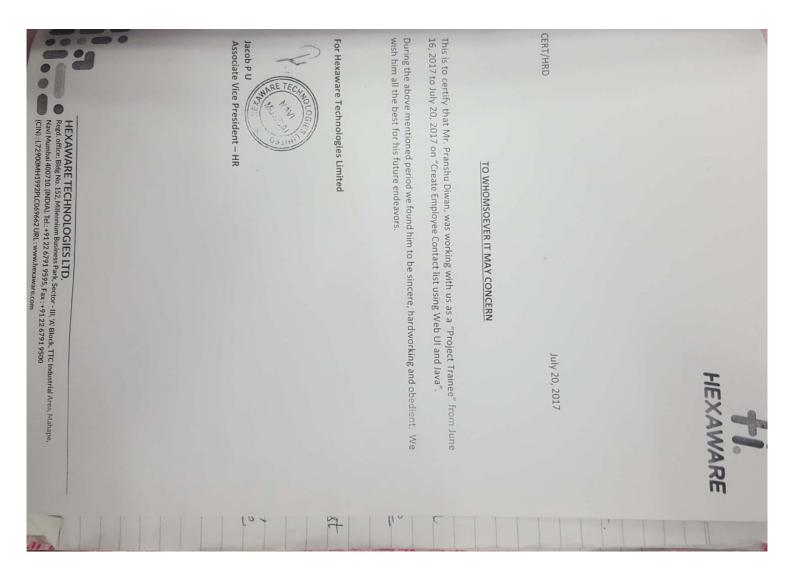
Vivel Sal

Vivek Sanadhya Scientific Officer (SO/H+) & Head, DACS RCnD, BARC

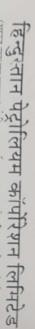
> विवेक सनाध्या/Vivek Sanadhya त्रातां वितरित स्वचालन एवं नियंत्रण अनुभाग मन्द्र Ostributed Automation & Control त्र्य प्रभाग/Reactor Control त्र्य Bhabha Atom

	Nabhikiya Urja Bhavan.
त्राकिलचर पावर कॉर्पोरेशन नाभकीय ऊजा भवन . अणुशक्तिनगर मुंबई - 400 094.	Anushaktinagar. Mumbal - 400 094.
(भारत सरकार का उद्यम) (भारत सरकार का उद्यम) NUCLEAR POWER CORPORATION OF INDIA LIMITED (A Govt. of India Enterprise)	Phono : 2599 3000 Fax : 022-2599 4020 Website : www.npcil.nic.in
PCIL/R&D-ES/M/2017/M Date:	Date: 14.07.2017
TO WHOMSOEVER IT MAY CONCERN	ZN
is to certify that Mr. Akash Satamkar from Vidyalankar dute of Technology pursuing his Third Year B.E. in Electronics Telecommunication has successfully completed project titled sign of Hardware Dynamic Alarm Module in NUCLEAR esign of Hardware Dynamic Alarm Module in NUCLEAR OWER CORPORATION OF INDIA LIMITED (NPC1L), DMBAI.	Vidyalankar Electronics project titled NUCLEAR O (NPCIL),
UMBA1. e project duration was from 19 June 2017 to 14 July 2017. The ject has been completed satisfactorily under my guidance. He has en very sincere, keen to learn and hardworking during this period.	ly 2017. The lance. He has , this period.

Mawisha (Manisha Tripathi) Sr. Executive Engineer



	THANE OF THE SAME AND	- Aly	iv Consulting	ank you!	would like your support to assist, by providing time for taking up this internship.	s is to inform, that we, Ahy Consulting, would like to offer Internship to Ms Rekha Anil nde, on Frontend Web Technology.	WHOM IT MAY CONCERN	3: Internship		a la martina
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HINDUSTAN PETROLEUM CORPORATION LIMITED (भारत सराजर उपक्रम) पंजीकृत कार्यालय : 17, जमशोदजी टाटा रोड, मुंबई - 400 020

"HP

(A GOVERMMENT OF INDIA ENTERPRISE) REGISTERED OFFICE: 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020 मुंबई रिफाइनरी, पो. ऑ. वॉक्स न. 18820, वी. डी. पाटील मार्ग, मुंबई - 400 074.

टेलीफोन :TELEPHONE : 2507 6000, फॅक्स: FAX : 2554 2008, तार - हिनरिफ , TELEGRAM - HINREF MUMBAI REFINERY, P.O. BOX NO. 18820, B.D. PATIL MARG, MAHUL, MUMBAI - 400 074. CIN: 1.23201MH1952GO1008858

July 07, 2017

TO WHOMSOEVER IT MAY CONCERN

Refinery during the period from 12/06/2017 to 07/07/2017. of Technology, Mumbai, has successfully completed her In-plant This is to certify that Ms. Aastha Bajirao, Electronics and training at Instrumentation Communication Department of Mumbai Telecommunication Engineering student of, Vidyalankar Institute

'WirelessHART'. During this period, she has successfully completed the project on

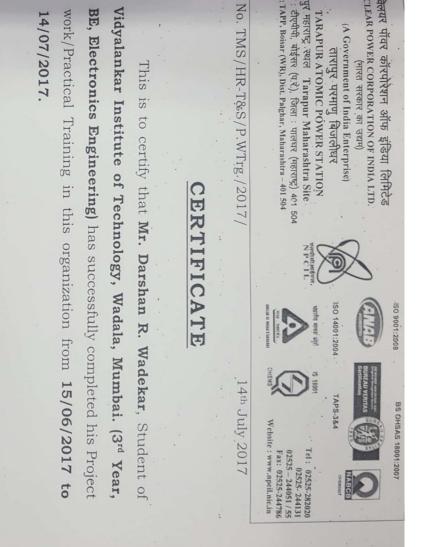
She was punctual and showed eagerness to learn during her training Her performance and conduct was extremely good during her training

We wish all the very best in her future endeavours

SMR/AAB

S.H. Mehdi Ali

Chief Manager HR



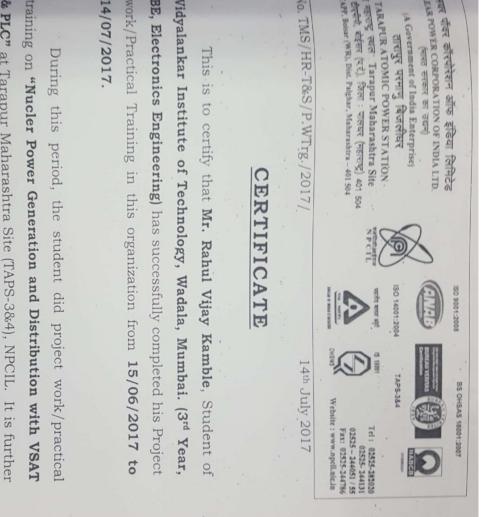
conduct has been satisfactory. certified that during the period the student has been sincere and his & PLC" at Tarapur Maharashtra Site (TAPS-3&4), NPCIL. It is further training on "Nucler Power Generation and Distribution with VSAT During this period, the student did project work/practical

(Ajay Parekh) ATT LILINIA

Manager (HR- T&S) प्रबंधक (मा.स.) Manager (HR)

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Scanned by CamScanner

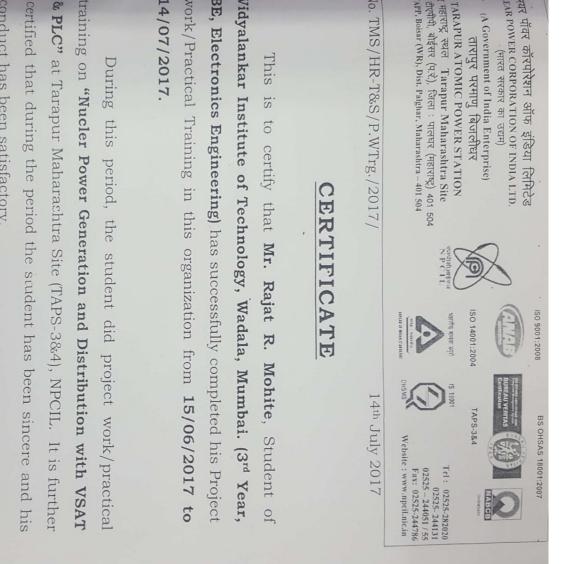


& PLC" at Tarapur Maharashtra Site (TAPS-3&4), NPCIL. It is further conduct has been satisfactory. certified that during the period the student has been sincere and his

(Ajay Parekh)

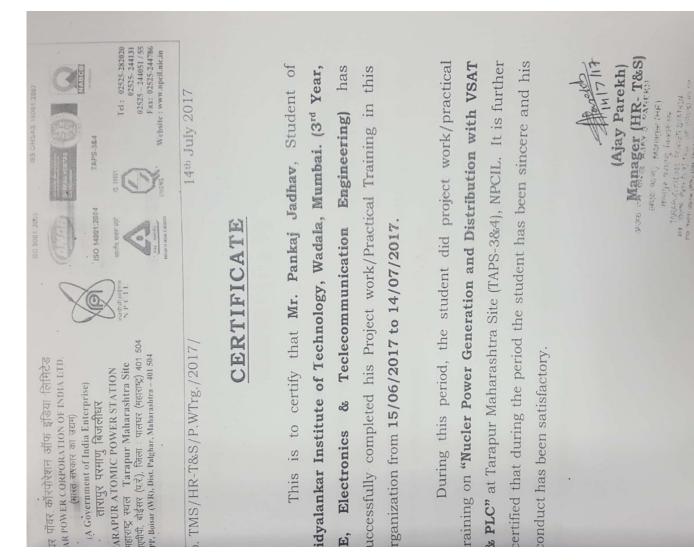
Manager (HR- T&S) प्रवेशक (मा.स.) Manager (HR)

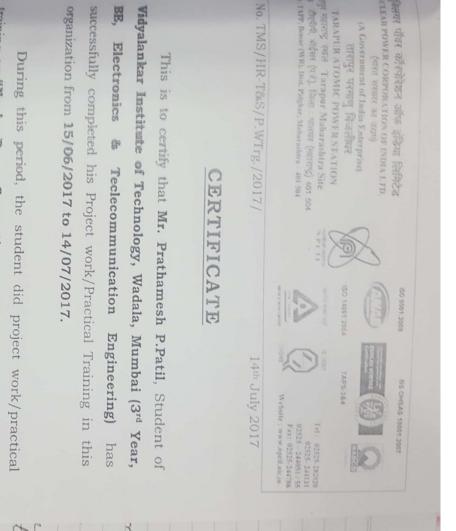
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conduct has been satisfactory

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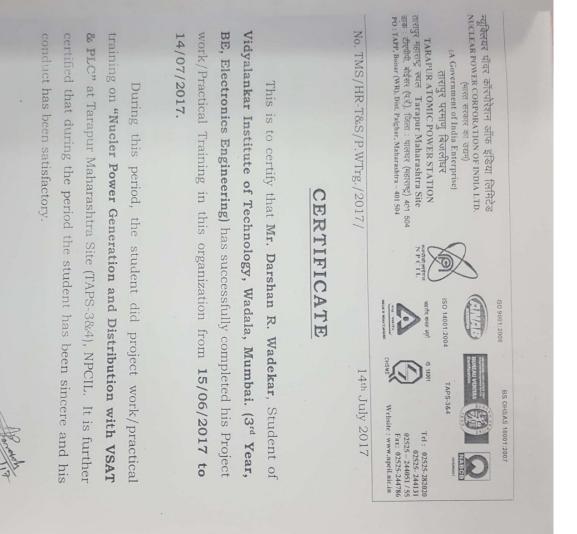


burning this period, the student did project work/practical training on "Mucker Power Generation and Distribution with VSAT
PLC" at Tarapur Maharashtra Site (TAPS-3&4), NPCIL. It is further certified that during the period the student has been sincere and his conduct has been satisfactory.

(Ajay Parekh) 41/407/17

Manager (HR- T&S)

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(Ajay Parekh) (Ajay Parekh) anager (JIR- T&S)

Manager (HR-T&S) ware and the second states as second to the second states ware and the second states as second states as



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम) रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, मुंबई - 400 020. HINDUSTAN PETROLEUM CORPORATION LIMITED

A GOVERNMENT OF INDIA ENTERPRISE) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020.

17. जमशेदजी टाटा रोड, पोस्ट बॉक्स नं. - 11041, मुंबई - 400 020. दूरमाष - 2286 3900 • फॅक्स - 2287 2992 • ई-मेल : corphqo@hpcl.co.in 17. जमशेदजी टाटा रोड, पोस्ट बॉक्स नं. - 11041, Mumbai - 400 020. Tel. : 2286 3900 • Fax : 2287 2992 • e-mail : corphqo@hpcl.co.in 17. Jamshedji Tata Road, P. O. Box No. - 11041, Mumbai - 400 020. Tel. : 2286 3900 • Fax : 2287 2992 • e-mail : corphqo@hpcl.co.in CIN No.: L23201MH1952GO1008858

Ref: HPCL/HR-TRNG/PK/ 248

Date: June 1, 2017

To,

Principal Vidyalankar Institute Of Technology Vidyalankar Educational Campus Vidyalankar Marg,Wadala(€) Mumbai – 400 037.

Subject: Summer Internship for Aditya S Danturti

Dear Sir,

We are pleased to invite Aditya S Danturti with HPCL .The duration of the summer internship will be from June 15 – July 31, 2017.

Kindly advise the student to report to the Project Guide, Arun Kumar Panda, Sr. Mgr – Development, Hindustan Petroleum Corp Ltd, 17 Jamshedji Tata Road, Petroleum House, Churchgate, Mumbai - 20 on June 15, 2017 at 09.00 am.

A stipend of 5,000/- per month will be paid during the course of this training. No other allowances, whatsoever, will be paid to the students. In this regard, HPCL does not provide any accommodation. At the office premises during the training period, the students will be allowed to avail the infrastructural facilities and follow the office timings is advised by the Project Guide. On successful completion of the project work, the project guide would issue the certificate to the student.

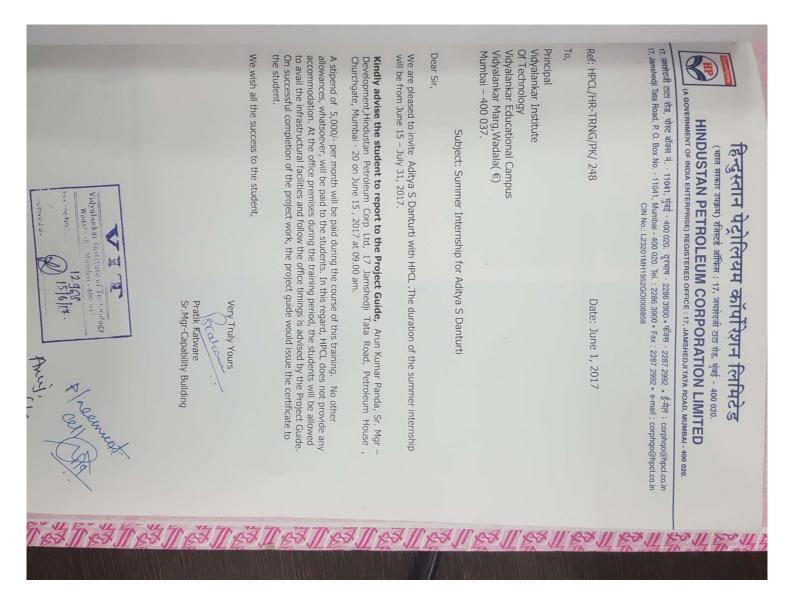
We wish all the success to the student.

Very Truly Yours

Pratik Katware

Sr.Mgr-Capability Building

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22nd September 2017

Durgesh Manohar Todankar Patandin Mishra Chawl, Ect Bhatti, PP Road, Near Sona Industries Premisers, Andheri East, Mumbai 400069

Subject: Offer for Internship

Dear Mr. Durgesh,

In reference to your application we would like to congratulate you on being selected for internship with Biosesnse Technologies Pvt Ltd based at Thane. Your training is scheduled to start effective 25th September 2017 for a period of 6 months. All of us at Biosense are excited that you will be joining our team!

Your Stipend will be Rs. 10,000/- per month.

As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts through hands-on application of the knowledge you learned in class.

You should report for training at the following address:

Biosense Technologies Pvt Ltd Plot No A 233, Road No 21 Y Wagle Estat, Thane West

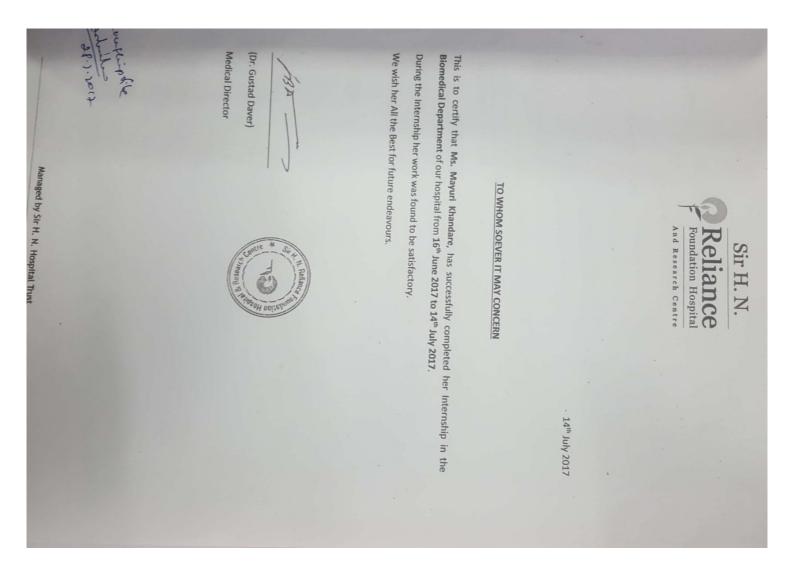
Again, congratulations and we look forward to working with you.

Yours sincerely,

for Biosense Technologies Pvt Ltd

dulo/

Mustufa Mukadam Manager – Human Resource



Letter of Recommendation

The Concerned Authority. To,

Technology, Wadala, pursuing Bio-Medical Engineering has successfully completed the 6 months Internship program as Marketing Intern at Alter Ego Learning LLP, from 1st January 2017 to 30th June 2017 with an We are glad to inform you that Miss. ISHA SONI, a student of Vidyalankar Institute of Excellent performance rating.

Program & Life Skills Camp 2017. Her creative ideas and key inputs are currently being implemented at Alter During the Internship, Isha has closely worked as a part of the Marketing & Research team. She made valuable contributions to many of our projects including two key projects, The Quantum Leap Ego Learning LLP.

Her Association with our company was very fruitful & We Wish Isha good luck for all future Endeavors and look forward to working with her again in the future.

Warm Regards,

Abhay Suhas Valsangkar

Director

ALTER EGO LEARNING LLP 306-8, Tulle, Mattri Gardens, Pokhran Road No. 2. Thane (W) - 400 681.



O 8-306, Tulip, Maitri Gardens, Pokhran Road. 2 Thane(W) 400601

o alteregolearning@gmail.com

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O www.alteregolearning com

0 +91 7666520075





APOLLO SPECTRA HOSPITALS Sunder Baug, Ujagar Compound, Opp. Deonar Bus Depot Main Gate, Off. Sion Trombay Road, Deonar, Chembur, Mumbai-400 088. Ph. No.: 022 4334 4600-9 www.apollospectra.com

Date: - 26/07/2018

TO WHOM IT MAY CONCERN

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This is no certify that Miss. Rupali Barge, D/or Rajesh Barge, a student of Bachelor of Engineering in Biomedical from Vidyalankar Institution of Technology from Mumbai University has successfully completed Internship Program on Biomedical Engineering from 25th June 2018 to 26th July 2018, at out Apollo Spectra Hospital Chembur. During the period of her internship program with us we found her punctual, working hard and inquisitive.

For Apollo Specialty Hospitals (A Unit of Apollo Heath And life Style Ltd.)

0

Dr Anurag Sharma

Centre Business Head

CIN-U85100TG2009PTC099414
Registered Office: 1-10-60/62, Ashoka Raghupathi Chambers, 5th Floor, Begumpet, Hyderabad-500 016, Telangana, India.
BENGALURU | CHENNAI | DELHI | JAIPUR | KANPUR | MUMBAI | PUNE -

APOLLO SPECIALTY HOSPITALS PRIVATE LIMITED (Formerly known as Nova Specialty Hospitals Private Limited)

-1
Vidyalankar Institute of

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

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Overall Performance	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Grasp of subject	Willingness to learn	Performance Parameters
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	<							4

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Academic Year. <u>2018 - 19</u> Branch & Division: <u>BIOM - A</u> Semester. Email Id: rupe Liburge 6@ gnail.com Roll No .: 16105 A2001 A

Hante	Mobile No.: 9830	Designation: (en	Name of the Reporting officer.	Period of Internship: F	Main Gr	Address: Sunder	Name of the Organisation	Handling B	History Car.	Daily Roon	Nature of work done during internship -
	Mobile No.: 9833406338 Email Id: bromedical, cbr @apollospertra.com	Designation: Center Biomedical Engineers (Hob)	fficer. Ankita Gup-TA	Period of Internship: From: 26 - Jon - 2018 To: 26 - Joly - 2018	Main Gate, Off Sign from bay Reed. Chembur. Mumbri-88	Address: Sunder Baya, Ujagar Comparind opp Deonar Bus Depot	Name of the Organisation: Apollo Spectra Hogpital	Harrhling Observosation. Training deton of Concluct.	History Card, Inhouse Service Reports, Breakdown	Daily Round of Ward, preventive Maintaince, Assest Coding,	ring internship -
	bromedical. cbr @o	Enginers (HOD)	GUPTA	18' To: 26 - Jo	bay Road. Chembu	npowers opp Peor	Hospital	cining attend.	Dervice Reports, 1	onlive Maintaince.	
	upollospectra.(om)			17-2018	r. Mumbri-88	har Bus Depot.		f Concluct.	Shreekdown)	, Assest Coding,	

Signature of the Reporting the

BME

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Chembur, Mumbai-400 088. Ph. No.: 022 4334 4600-9 Bus Depot Main Gate, Off. Sion Trombay Road, Deonar, APOLLO SPECTRA HOSPITALS www.apollospectra.com Sunder Baug, Ujagar Compound, Opp. Deonar

Date: - 26/07/2018

TO WHOM IT MAY CONCERN

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Mumbai University has successfully completed Internship Program on Biomedical Engineering Bachelor of Engineering in Biomedical from Vidyalankar Institution of Technology from This is to cernly that Miss, Chitralekha Waghmare, 12/08 Sambhaji Waghmare, a student of from 25th June 2018 to 26th July 2018, at out Apollo Spectra Hospital Chembur. During the period of her internship program with us we found her principal, working hard and inquisitive.

For Apollo Specialty Hospitals (A Unit of Apollo Heath And life Style Ltd.)

e Love

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Dr Anurag Sharma

Centre Business Head

Registered Office: 1-10-60/62, Ashoka Raghupathi Chambers, 5th Floor, Begumpet, Hyderabad-500 016, Telangana, India. BENGALURU | CHENNAI | DELHI | JAIPUR | KANPUR | MUMBAI | PUNE

APOLLO SPECIALTY HOSPITALS PRIVATE LIMITED (Formerly known as Nova Specialty Hospitals CIN- U85100TG2009PTC099414 Private Limited)

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We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

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Overall Performance	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Grasp of subject	Willingness to learn	Performance Parameters
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11	1							4

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Mobile No.: 86520 17543 Name of the student: chitralekha S. Waghmare Roll No: 16105A2 009 Academic Year: 10 8 - 19 Branch & Division: <u>BOM - A</u> Semester: <u>VII</u> Email Id: <u>Waghmarech itzelekha 1 Qg</u>mail 1001

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Signature of the Reporting Officer	Name of the Reporting officer: Ankita GuPTA Designation: Center Biomedical Engineer Mobile No.: <u>983940699</u> Benail Id: biom	Name of the organisation: Apollo Spectra MOSPitals Address: Survier Baug, Wagar Compound opp. Depot Main Gaze, Off Sion frambar Road. Period of Internship: From: 26 - Jun 2018 To: 26	Nature of work done during internship. Daily Round Of OPD, preventive Maintainance, Assest Coding HISSTROY Carely Inhouse Service Reports, Bracklours Hampling Observation, Training actend & Conduct.
	GropTA maineer (HoD) biomedical. Chr@apolospectra. (Com)	ne organisation: Apollo Spectra MOSPitals Survier Baug, Ujagar Compound opp. Deongr Bus Depot Main Gate, Off Sim frambar Road Chember, Mumbai-88 Memship: From: 26 - Jun-2018 To: 26 - July - 2018	ard, Inhouse Service Reports, Braklouro Observation, Training actern & Conduct.

दूरभागः । TELEPHONE: तार : वार्क-मुंबई, फेब्दूर. TELEGRAMS: SARGAMUMBAI, CHEMBUR केलस संख्या : २१-२३-५५० ५१.५१ FAX NUMBER : 81-22-550 5151



ट्रॉस्चे -मुंबई - ४०० ०८५ TROMBAY, -MUMBAI-400 085.

CERTIFICATE

Radiation Safety Systems Division

This is to certify that Rugveda Salunke , Third year B.E(Electronics and Telecommunication) from Vidyalankar Institute of Technology, has undergone training for 1 month (5, June, 2018 to 4, July, 2018) in Radiation Safety Systems Division, in the field of Electronics related to project involving Internet of Things with emphasis on device controller through Node Microcontroller and Raspberry Pi module. She has keenly participated and contributed in the design and development of necessary hardware and software components. She has studied and grasped the concepts of the related project and the techniques under the guidance of Shri Govinda Mukherjee and Dr. Anand Raman. She was very hardworking, sincere and dedicated in all her efforts. We wish her good luck in her future endeavors in the field of her interest.



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Shri. Anand Raman, Scientific Officer(F) Radiation Measurements & Development Section. Radiation Safety Systems Division 0

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Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

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Sr.	Performance Parameters	н	2	ω	4
No.			1		
1	Willingness to learn				5
2	Grasp of subject				5
ω	Attitude Towards Work				5
4	Communication Skills				5
Ś	Interpersonal relations/teamwork				5
6	Technical Skills				7
7	Attendance & Punctuality				5
00	Overall Performance				7
Name o	Name of the student: Rug verla Salunke Roll No.: 15104 80060	5	ohBa	2060	
Academ Mobile	Academic Year: <u>2018</u> Branch & Division: <u>FXTC-B</u> Semester: <u>6</u> Mobile No.: <u>&65569.0887</u> Email Id: <u>HUG Yeola 2604.0</u>	204	Don	amail . com	lona
Nature	Nature of work done during internship - Banied develoom ent involving JOT:				
Name o	ne Organisation:}	Centre	20		
Address:	" TROMPSHY, Mumbai 400 085				
Period c	Period of Internship: From: 5th June 2018 To: 4th 2	L	2018	90	
Designation:	Scientific Officer				
Mobile No .:	No: - U U Email le: anandrobarc.gov. in	0.0	ou-c	D	

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Signature of the Reporting Officer

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্দেশ। বাহ-ন্ধ্ৰই, উদ্ভুব, বাং বাহ-ন্ধ্ৰই, উদ্ভুব, মা: বাহ-ন্ধ্ৰই, উদ্ভুব, মান্দ্ৰ: ০ গ ব ৭ ২০ ৭,০ ৭ ৭ নিজ বাহেয়: ৭ ৭ ৭ ২০ ৭ ৭ মিজ বাহেয়: ৭ ৭ ৭ ২০ ৭ ৭ ২০ ০০ নিম NUMBER 91-22 550720 C



भाभा पग्माण् अनुसंधान केन्द्र ВНАВНА ATOMIC RESEARCH CENTRE

GOVERNMENT OF INDIA

ट्रांचे , मुंबई-४०० ०८५ . TROMBAY. MUMBAI-400.085

Certificate

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Ref: BARC/ED/Cert/448

4th July, 2018

This is to certify that **Mr. Raghav Papnai**, a student of Third Year of B.E. (Electronics & Telecommunication) from "Vidyalankar Institute of Technology, Mumbai" has completed his '**Summer Internship**' in Electronics Division, Bhabha Atomic Research Centre (BARC), Trombay Mumbai from 5th June, 2018 to 4th July, 2018.⁵ During this period, he has successfully completed work on -:

'Prestartup Equipment and Power Analysis of Nuclear Instrument system'.

He is punctual, hard working and has shown keen interest in learning concepts and implemented his ideas successfully in the project. His contribution to the project was satisfactory & we wish him all the success in his professional career.

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: What's Scientific Officer (SO/F) Project Guide (D.M Nikhare) 2100/17/1/2018

Electronics Division danfers sitters? / Scientile Officer geoglopis surrar / Electronics Division streat vectors / Sciencent of India streat vectors / Sciencent of India streat vectors / Science of Pecarch Cealle girld, girl / Bortons Alexandria Alt Cea.

d. a. HEAHRINGSLIDAVISION इतेन्द्रोनिकी प्रभाग/Electronics Division Has-yoo at y Mumbai 400 085. माना पालाउ अनुसंधान केंद्र[BARO. (P.V. Bhatnagar) Outstanding Scientist जार आई.एस. I RIS Stertel Head 413/2018 hameter

Signatu	Mobile No.:	Period of Inte Name of the Designation:	Name of Address:	Nature	Name of the stu Academic Year. Mobile No.:	00	7	6	л	4	ω	2	1	Sr. No.	1 – Belov	We appr for the s his/her ii below m	Dear Sir	ŢŢ
Signature of the Reporting Officer	10: Email Id: py bh at @ barc.	Period of Internship: From: <u>5th June 2018</u> To: <u>4th</u> Name of the Reporting officer: <u>5thi</u> <u>Phatnagaz</u> PV Designation:	Name of the Organisation: Bhapha Alomic Research Address: Trambay, Number 400 085	Nature of work done during internship - Successfully completed work on (and bure analysis of nuclear fystem?	Name of the student: <u>kaghav Pappai</u> Roll No.: <u>ISIO4 BOO12</u> Academic Year: <u>2018</u> Branch & Division: <u>EX TC-B</u> Semester: <u>6</u> Mobile No.: <u>9930599193</u> Email Id: <u>Papnai 570 gmail (a m</u>	Overall Performance	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Grasp of subject	Willingness to learn	Performance Parameters	1 – Below Average 2 – Average 3 – Good 4 – Excellent	We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale	Dear Sir / Madam,	Internship Feedback Form
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July 27, 2018

Ref.: BSEHR/O/2018-19/312

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Apurva Khude of Vidyalankar Institute of Technology, Mumbai has pursued internship with BSE for a period starting from June 05, 2018 to June 27, 2018.

During this period of internship she has been assigned in the Information Technology Department. During her period of Internship, she acquainted herself fully with the working of the Organization.

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We wish her all the best in her future endeavors.

For BSE Limited

Frell

Mahendra Tawde General Manager- Human Resources

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	D. P. Kuelkauns Signature of the Reporting Office	Designation: Mobile No.:§2	Period of Internship: From: Name of the Reporting officer:	Address: 155	Name of the Organisation:	having plat	Nature of work done during invertising - System Analysis & 20	Mobile No.: 3769887903	Name of the student: Apufva	8 Overall Performance	7 Attendance	6 Technical Skills	5 Interpersona	4 Communication Skills	3 Attitude Towards Work	2 Grasp of subject	1 Willingness to learn	Sr. No.	1 – Below Average	We appreciate your val for the same. We are I his/her internship with y below mentioned perfo	Dear Sir / Madam,	VIII Institute of Technology
OTT 350	sorting Officer	seneral menagen 1466 Email Id: devendra.	Devendra · p. Kulkasu	"E limited p. J. Iewens, a	BSE Limited	form of Linux & frontend in C, ctt,	e during inversion - A tracking system	Email Id: qpUE	Khude Branch & Division (MDN A	ormance	Attendance & Punctuality	ills	Interpersonal relations/teamwork	ion Skills	vards Work	Ject	o learn	Performance Parameters	2 – Average 3 – Good 4 – Excellent	We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale		Internship Feedback Form
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		bseindia.com				more involved	end & Backend	191.00	124	5	7	7		1	7	1	7	4	-	në Di di		orm

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11th July 2018

Certificate

We hereby certify that Mr. Indranuj Gangan has participated & successfully completed Summer Internship program for Undergraduate Biomedical Engineers, held by our company from 12th June 2018 to 11th July 2018

The candidate has attended following sessions:

Sr. no. 1	Lectures Introduction to tools & Electronic Components	Lectures Componen	ts
2	Basics of Electrical Engineering		
ω	Human Anatomy & Physiology		
4	Infection Control & CSSD Practices	25	
Sr. no.		Practical	
ц	Assembling Power supply & making it functional	er supply &	
Sr. no.	Introduction to Products	Sr. no.	
ц	OR Tables	1	Supply Chain Management
2	Ventilators	2	Quality & Regulatory Issues
ω	Anesthesia	ω	HR Management
4	Heart Lung Machine		
Л	ECMO		

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We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.

With best wishes for all future assignments & successful career.

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Intra- Aortic Balloon Pump

Infection Control Equipment

For Maquet Medical India Pvt. Ltd.,

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Vishwanath Joglekar Senior Director- After Market & Services

Maguet Madisal todis Por Ltd 2036 204, Fuchuli, B. Vive, Saltar Bowl, Dije TP Argest Anthen E. L., Kantose, 400 0.-e CNV, UST10044601910 1431111

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We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

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Overall Performance	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Grasp of subject	Willingness to learn	Performance Parameters
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Name of the student: <u>Todrany</u> (Jangen Roll No:: <u>15105A0017</u> Academic Year: <u>2017-18</u> Branch & Division: <u>B10MEDICAL</u> Semester: <u>6</u> Mobile No:: <u>9987766787</u> Email Id: <u>Indranyi gangan 1804 @ gmail</u> com

Nature of work done during internship -

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Classroom training on medical equipments and

Name of the Organisation: <u>Maquet Medical India</u> Retiletd. Address: <u>203 & 204 Fulceum (B'uSing Sabas Road</u> <u>opp 72 Airport Andberi Sast Numbal</u> - 400099 Period of Internship: From: <u>12th June 2018</u> To: <u>11th July 2018</u> Name of the Reporting officer: <u>Ntain Mehta</u>

Designation: <u>Senior Service Executive</u> Mobile No.: <u>4400094712</u> Email Id: <u>maini mentra Q gehinge 1000</u> Hollon

Signature of the Reporting Officer

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1 – Below Average 2 – Average 3 – Good 4 - Excellent

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Mobile No.: __ Academic Year: 2017-18 Name of the student: ____ 810847344 9 AKanksha Bashada Branch & Division: 13 J OM Email Id: BasbadeAKg7 (@gmail (2011) Semester: Roll No .: 16105710023 招

Nature of work done during internship equipment Training practical session on clinical

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Name of the Reporting officer: Address: 203 & 204, Fullraum, 'B' Wing Name of the Organisation: Maquet Mediccul India pyt. Ltd Designation: Period of Internship: From: T2 Diapoat, Senior Service Executive Maitoi Mehta DUDE CI Andhedi (E) Email Id: Maitai Menta ageting e.com To: Mumbai - 400 099 Sanaz road, cpp -Pmr

Signature of the Reporting Officer Helder Mobile No.:

7400 094712

GETINGE *

11th July 2018

Certificate

We hereby certify that Ms. Akanksha Barbade has participated & successfully completed Summer Internship program for Undergraduate Biomedical Engineers, held by our company from 12th June 2018 to 11th July 2018

The candidate has attended following sessions:

7	6	υ	4	ω	2	щ	Sr. no.	بمر	Sr. no.	Ą	ω	2	щ	Sr. no.
Infection Control Equipment	Intra- Aortic Balloon Pump	ECMO	Heart Lung Machine	Anesthesia	Ventilators	OR Tables	Introduction to Products	Assembling Pow		Infection Control & CSSD Practices	Human Anatomy & Physiology	Basics of Electrical Engineering	Introduction to tools & Electronic Components	
				ω	2	Sr. no. 1	er supply &	Practical	es			c Componer	Lectures	
				HR Management	Quality & Regulatory Issues	Supply Chain Management	Management Topics	Assembling Power supply & making it functional					nts	

We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.

With best wishes for all future assignments & successful career.

For Maquet Medical India Pvt. Ltd.,

Accent

Vishwanath Joglekar Senior Director- After Market & Services

Maquet Medical India Pvt. Ltd. 203 & 204 Futzum 'B Weng Sahar Faart Opp T2 Aupurt Audian Fairt Merchai 403 040 CIN US3110/H004PFC1243357

Phone +91 22 6233 2100 Fax +91 22 6233 2150 www.getinge.com

Defini Tel +01 11.4652.5050 Goldan Tel +01.23.4062.403 Borg Alau Tel +01.20.4102.7020 Chonnas Tel +01.44.00.1.2000 TOLL FREX.HELPU.MI 1009.222.977

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11th July 2018

Certificate

We hereby certify that Ms. Ankita Sutar has participated & successfully completed Summer Internship program for Undergraduate Biomedical Engineers, held by our company from 12th June 2018 to 11th July 2018

The candidate has attended following sessions:

6	5	4	ω	2	1	Sr. no.	щ	Sr. no.	4	ω	2	ц	Sr. no.
Intra- Aortic Balloon Pump	ECMO	Heart Lung Machine	Anesthesia	Ventilators	OR Tables	Introduction to Products	Assembling Pow		Infection Control & CSSD Practices	Human Anatomy & Physiology	Basics of Electrical Engineering	Introduction to tools & Electronic Components	
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			HR Management	Quality & Regulatory Issues	Supply Chain Management	Management Topics	Assembling Power supply & making it functional					nts	S

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We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.

With best wishes for all future assignments & successful career.

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Infection Control Equipment

For Maquet Medical India Pvt. Ltd.,

hand

Vishwanath Joglekar Senior Director- After Market & Services

Maquet Medical India Pvt. Ltd. 203-8: 204: Fuktrum, 'B' Wing, Sahur Road Oter T2-Annort, Andher East, Munthal - 400 099 245: Julio20050054004PTC1443210

Phone : +91 22 6233 2100 Fax : +91 22 6233 2150 www.gebrige.com

Internship	
Feedback	
Form	

VIT Institute of Technology

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We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

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Name of the student: <u>ANKTHA S. Sulfar</u> Academic Year: <u>2017-18</u> Branch & Division: <u>BIOM</u> Semester: <u>VI</u> Mobile No.: <u>9768179245</u> Email Id: <u>Sulfarankffq 823@gmaft.com</u>

Nature of work done during internship -

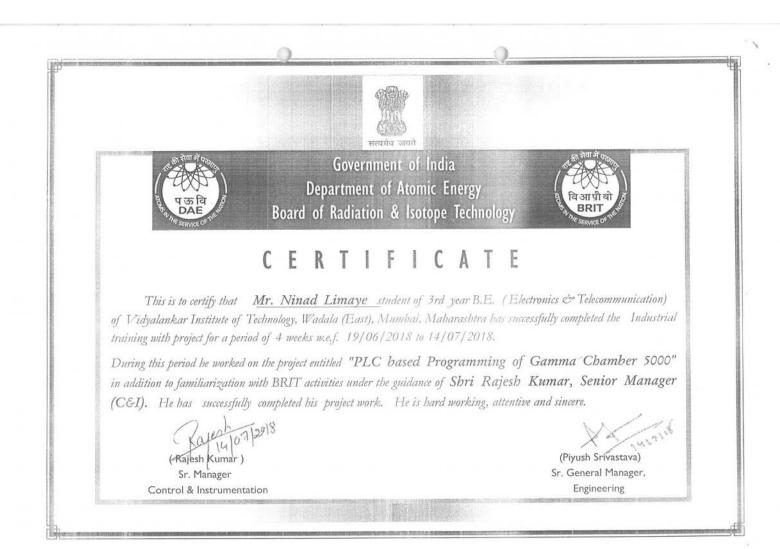
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classoom training for them with different topics related to medical equipments

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	svice Executive	Designation: Senior Seavice Executive
2	alter Menta	Name of the Reporting officer: Maitai Mehta
= JWY	2 JUNE To: -	Period of Internship: From: 12 JUNE
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Sahar road	iczum, 'B' wing	Address: 203 & 204, Fu
ia/ PVI . Ltd.	JEF Medical Ind	Name of the Organisation: Maquer Medical India, PVI. Ltd.

Signature of the Reporting Officer

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We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during below mentioned performance parameters on the following rating scale his/her internship with you. We request you to spend some time to evaluate our student based on the

1 - Below Average 2 - Average 3 – Good 4 - Excellent

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some of the student Mr. Ninaal Limaue	Overall Performance	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Grasp of subject	Willingness to learn	Performance Parameters
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Mobile No .: 8149411634 Academic Year: AO 12-2018 Branch & Division: 47C-A Semester: 12 Email Id: ninad linnay og 9 (2) gmail (om .

Nature of work done during internship -P C 2 Keyed Programming for Runs of hannia Chember - Jooo Seman 1

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Address: BRIT-BARE VOLAN Complex. Name of the Organisation: _______ 9 Rediction and Isothe Technology Sector-20, Vari

Name of the Reporting officer: ____ Period of Internship: From: 19 06 2018 Navi Mumber - 400703 Rajesh Kermon To: 8100 20171

Signature of the Reputtion new Email Id: Seifen Jeumer @ butatom.govin

Designation: Service Manual

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MIG, Cal)

Mobile No.:

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	Shipbuilding Electronic Shop leneral ability and conduct was foun	Department	s to certify that Ms. Kajal Vitthal Bł Mumbai has completed Industria L), Mumbai in Shipbuilding El o 17.07.2018 & prepared a report o Security Alarm System 3) Voltage Security Alarm System 3) Voltage	TO WHOMSOEVE	
Additional A	18.06.2018 d satisfactory.	From	Training in 1 Training in 1 ectronic Sho n 1) Music Rhy doubler in	R IT MAY CO	
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२२/२ and /२ ler (HR-MDC) नन्द HAND न विकास केंग्रे)			(ar Institute of Shipbuilders period from Ight circuit 2) Shipbuilders		प्रकार प्रसार का आज (भार (भार भार का का जान) (भारत भारकार का आजम) Mazagon Dock Shipbuilders Ltd (Formerly Mazagon Dock Limited) (A Govt. of India Undertaking) CIN : U35100MH1934G01002079 डॉक्सज डेंक, भाराणंव, मुंब - 400 010 Dockyard Road, Mazagoon, Mumbai - 400 010 Dockyard Road, Mazagoon, Mumbai - 400 010 Certified - ISO 9001 : 2008 संदर्भ इत्मांक, MDC/TRG/18-19 Ref. No. 20 Juli '18 Date
	Additional General Manager (HR-MDC) Additional General Manager (HR-MDC) 공자미 전내지 미너지 ARUN KUMAR CHAND ARUN KUMAR CHAND	r general ability and conduct was found sa	SN Department From To 1 Shipbuilding Electronic Shop 18.06.2018 17.07.2018 Her general ability and conduct was found satisfactory. Her general ability and conduct was found satisfactory. Quelo 20/2 Additional General Manager (HR-MDC) Struct Graph Clarity Additional General Manager (HR-MDC) Struct Graph Clarity ARUN KUMAR CHAND ARUN KUMAR CHAND	his is to certify that Ms. Kajal Vitthal Bhoite ogy, Mumbai has completed Industrial Tr (MDL), Mumbai in Shipbuilding Electr 18 to 17.07.2018 & prepared a report on 1) ed Security Alarm System 3) Voltage do she has been imparted training in the followin she has been imparted training in the followin SN Department 1 Shipbuilding Electronic Shop 1 rer general ability and conduct was found sa	TO WHOMSOEVER IT MAY CONCERN This is to certify that Ms. Kajal Vitthal Bhoite, a student from Vidyalankar Institute of Technology, Mumbai has completed Industrial Training in Mazagon Dock Shipbuilders Limited (MDL), Mumbai in Shipbuilding Electronic Shop during the period from 18.06.2018 to 17.07.2018 & prepared a report on 1) Music Rhythm Led Flashlight dircuit 2) PIR based Security Alarm System 3) Voltage doubler in Mazagon Dock Shipbuilders Limited She has been imparted training in the following department: 1 Nipbuilding Electronic Shop 18.06.2018 17.07.2018 1 Shipbuilding Electronic Shop 18.06.2018 17.07.2018 1 Shipbuilding Electronic Shop 18.06.2018 17.07.2018 4 Shipbuilding Electronic Shop 18.06.2018 17.07.2018 Additional General Manager (HR-MDC) Additional General Manager (HR-MDC) Additional General Manager (HR-MDC) Additional General Manager (HR-MDC)

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We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

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Overall Performance	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Grasp of subject	Willingness to learn	Performance Parameters
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Name of the student: <u>Bhoite Kajal Vitthal</u>. Roll No.: <u>16103A2008</u> Academic Year: <u>2018-2019</u> Branch & Division: <u>ETRX-A</u> Semester: <u>VIII</u>th Mobile No.: <u>3404161071</u> Email Id: <u>kajal bhoite 04@gmail.com</u>

Nature of work done during internship -

- Mini Project Music rhythm LED Flashlight circuit.

- PIR Sensor.

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- Voltage aloubles.

Name of the Organisation: Mazagon Dack. Ship Builders LTD. Address: Mazagon dack Ship builders timided dockyard

<u>road</u>, <u>Dockyard</u> <u>road</u> <u>Mumbel</u> - 400010 Period of Internship: From: 18612018 To: 1710712018 Name of the Reporting officer. <u>Suresh</u> Sah

Designation: Manager.

Mobile No: 027-23763161 Email Id: Sloh Q. Matchorck. Com.

Signature of the Reporting Officer With time SURCES SAM Wattab (al. P. account) Why Manager (SB MAR) ELLS, Highla Side Ruthared Falled a Mariagen Ook Suppondume Limited Amr.

0 0 जनेपन्यास JNPT
 المحكم
 المحك No.JNP/A/TC/2018 student of Vidyalankar Institute of Technology, Antop Hill, Wadala, report. successfully completed the summer internship and submitted the project Jawaharlal Nehru Port Trust from 25.06.2018 to 07.07.2018 and has Mumbai. has undergone 12 days Industrial Exposure training in अवाहरवाक कह This is to certify/that Mr. Rutuj P. Nalavde, (Electronics Engg.) a Website : www.jnport.gov.in E-mail . info@jnport.gov.in CERTIFICATE いえ えど Asstt. Manager (HRD) (S.R.Aphate) Date: 09/07/2018 1543-9401 - 2008 1543-14001 - 2004 1543-27061 - 2003 ()1FS VS 12801 - 2007

मुंबई कार्यालय : 1107, খ্রন্ডা सेंटर, 214, फ्री प्रेस जनंद नागे, नरिमन पॉइंट, मुंबई - 400.021 दूरभाष · 91-22-6816 5600 फिक्स : 91-22-6743 1116 MUMBAI OFFICE - 1107 RAHEDA CENTRE, 214 FPJ MARG, NARIMAN POINT, MUMBAI - 400.021 TEL - 91-92-6616 5600 FAX - 91-22-6743 1116 ছেইবা ভি-হী দ্ব বিশ্বাহাৰ কৰ্মেক বিধা কল গাঁৱৰ ব্যয়ে ।

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1 – Below Average 2 – Average 3 – Good 4 – Excellent

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	tters	TRX half	TRX III	TRX half	1		Ruhy	Overall Performance	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Grasp of subject	Willingness to learn	Performance Parame

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Norti Mumbai -

400 707

Mobile No .: Designation: Name of the Reporting officer: Period of Internship: 9833 891198 Asst Mpm From: 5 25-6-18 Email id: hisotolani @ Input. 201. m to aun To: 7-7-2

Signature of the Reporting Officer Tot

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report.	Jawaharlal Nehru Port Trust from 25.06.2018 to 07.07.2018 and has	student of Vidyalankar Institute of Technology, Antop Hill, Wadala, Mumbai, has undergone 12 days Industrial Exposure training in	This is to certify that Mr. Pratik Shinde, (Electronics Engg.) a	CERTIFICATE	No.JNP/A/TC/2018 Date: 09/07/2018	الجنب <
						150 year ; see 150 year ; see 150 2001; set 08(5 % 1001; ser)

(S.R.Aphale) Asstt. Manager (HRD)

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मुंबई कार्यालय : 1107, रहेजा सेंटर, 214, फ्री प्रेस जर्मल मांगे, नरिमन पॉईट, मुंबई - 400 021 दूरभाष : 91-22-6616 5600 फैक्स : 91-22-8743 1116, MUMBA/ DEFICE : 1107, RAHEJA CENTRE, 214, EPJ MARG MARINAN POINT MUMBA/ - 400 021 TEL : 91-22-8616 5600 FAX : 91 22-6743 1116, हमेरा जा कर के देश का जोदन जहारे 1 0 0 जनेपन्यास JNPT
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 प्रयासन भवन, होवा, नवी मुंबई
 400 707
 Port Office
 Administration Bidg, Sheva, Navi Mumbai
 400 707

 प्राय कार्यालय
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 successfully completed the summer internship and submitted the project report. Jawaharlal Nehru Port Trust from 25.06.2018 to 07.07.2018 and has Mumbai. has undergone 12 days Industrial Exposure training in student of Vidyalankar Institute of Technology, Antop Hill, Wadala. No.JNP/A/TC/2018 STATES STATES This is to certify that Mr. Pranay Singh, (Electronics Engg.) a Website : www.jnport.gov.in E-mail info@jnport.gov.in CERTIFICATE योर्ट ट्रस्ट Asstt. Manager (HRD) (S.R.Aphale) Date: 09/07/2018 1SO 4001; 200K 1SO 14001;2004 1SO 27001;2015 OHS VS 18001;2007

मुंबई कार्यालय : 1107, रहेजा सेंटर, 214, क्री प्रेस जर्मल मार्ग, नरिमन पॉईट, मुंबई - 400 021, चूरभाव 91-22-6616 5600 फैक्स 91-22-6743 1116, MUMBA: OFFICE - 1107, RAHEJA CENTRE, 214, FPJ MARG, NARIMAN POINT MUM6A: - 400 021 TEL 91-22-6616 5600 FAX. 91-22-6743 1116 हमेशा हिन्दी में पत्राचार करके देश का मीरव सड़ाएँ।

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We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Performance Parameters 1 2 Willingness to learn I 2 Grasp of subject I 2 Attitude Towards Work I 2 Communication Skills Interpersonal relations/teamwork I Technical Skills I 2 Attendance & Punctuality I 2 Overall Performance I 2	Performance Parameters arn s Work Skills ations/teamwork ance	00	7	6	5	4	ω	2	н	Sr.
	N	Overall Performance	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Grasp of subject	Willingness to learn	Performance Parameters
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in the	Semester:	Roll No.: 16
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18906	Designation: ASSH . My	e Reporting offic	ternship: Froi	Shwa.	SULY WA	e Organisation:	ICIS 1	our ma	Learned about as
Mobile No: 78 3366 (547) Email Id: WIRDTD IAM (2 Mart - 700.000	t. Mgr.	Name of the Reporting officer: Al. L. TO laws	Period of Internship: From: $\frac{25/6/18}{25.6}$ To: $\frac{6}{7.7}$	Shing Nows Mumber - 400707	Address: ACX WEGRATING XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Name of the Organisation: Juncharlad Nehru Port Trust	as PUCIS, 16BT'S, substations at .	achung	Learned about application of subranics
Email Id: M		. To law	81/	umbay	xathan	relat Ne	Sillo	and 1	plicabi
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Signature of the Reporting Officer

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We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

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Sr. No.	Performance Parameters	H	2
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7	Attendance & Punctuality		
00	Overall Performance		
Name o	Name of the student: Bratik Shinde Roll No.: 16/0380004	10	0
Academic Ye Mobile No.:	ear. 17/18 Branch & Division: ETRX B 9892044501 Email Id: Phals	186	Jam
Nature	Nature of work done during internship -	ect	electronic
do	in part becker buch a	H	IGBI
Name of Address:	the organisation: Jawaharla Showard Navi-Mur	7	Sheve
Period Name o	Period of Internship: From: 25th June 2018 To: 51	LE	P
Designation: Mobile No.:	98 83 661 KA19 Email Id: Lizotolau @	th	Input. pn. In

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Signature of the Reporting Officer

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TRG/UVT/209 11.07.2018

INTERNSHIP CERTIFICATE

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Binay Khalkho Head Business HR, Trombay	Training Report Other remarks	Brief description of training	Attendance	Performance Conduct	Period of Training Place of Training	Name : Qualification Institute	
Trom	··			••••••			
bay	Satisfactory worked and studied well along with other team members. Need to do self study.	Introduction to Communicating network design of Tata Power, various modes of communication, history of communication technology. Working of various communication equipment. Study of various components and field visits to understand practical aspects.	No. of Scheduled working days: 25 No. of days attended training: 25	Good	From: 12.06.2018 To: 11.07.2018 QA & IT Department,Trombay	Mr.Pankaj Waykar B.E. 2 nd year Vidyalankar Institute of Technology,Mumbai Internship	

TATA POWER

The Tata Power Company Limited Trombay Thermal Power Station Mahul Road Chembur Mumbai 400 074 Tel'91 22 6717 1000 Fax 91 22 668 7066 6668 7067 Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001 Website : www.tatapower.com Email : tatapower@tatapower.com CIN : L28920MiH191J9PLC000567

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VIT Institute of Technology

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Academic Year: 2017-2018	Name of the student: Panka
Branch & Division: ETRX - A	Waykar
Semester:	Roll No .: 16103A0060
	ic Year: 2017 - 2018 Branch & Division: ETRX ~ A

Nature of work done during internship -
Shindy of Commication network of Pata Power. Understanding
to applications being run on the methode identities
Various Components in the network & field wints for Practical den
Name of the Organisation: Tata Power Company
Address: Corridor Road, Kalachauki, Mahul, Chembur East.
Trombay, Mumbay, Maharashtra - 400071
Period of Internship: From: 12/06/2018 To: 11/07/2018
Name of the Reporting officer. Mr. Murlikrishna Tallampaju
Designation: Hod (Electrical Testing Department)
Mobile No: 9223327501 Email Id: Emurali@tatapower.com

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Signature of the Reporting Officer $[0, \gamma]$. I. Rui Ch

THE TATA POWER CO. LTD. Electrical Teeting : Trombay Thermal Power Station 'A' Chembur, Mumbai-400 074

टाटा मूलभूत अनुसंधान संस्थान ATA INSTITUTE OF FUNDAMENTAL RESEAR

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TATA INSTITUTE OF FUNDAMENTAL RESEARCH (सारस सरकार के दरमाष्ट्र उठ्या विभाग की स्वावरा संस्था व समदिभ्यविद्यालय) (An Autonomous Institution of the Department of Anomic Energy, Government of India, and a Deemed University) होनी भागा भागे, कुलाबा, मुंबई / Homi Blabha Road, Colaba, Mumbai 400 005.

प्राय्तपक एव. एम. ऑटिंग / Professor H. M. Antia अधिष्ठाता, प्राकृतिक विज्ञान संकाय / Dean, Natural Sciences Faculty ई-मेंच / E-mail: deannsf@tifr.res.in

प्रेंग्स / Fax: + 91-22-2280 4747 ई-मेल / E-mail: nsfoffice@tift.res.in

May 30,2018

37419/TeL: +91-22-2278 2302

Ref: TIFR/NSF/INT/20238

To,

Prof. Sunil Patekar, Principal, Vidyalankar Institute of Technology, Antop Hill, Wadala (E), Mumbai - 400 037

E-mail:principal@vit.edu.in

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Dear Prof. Patekar,

Please refer to your letter: VIT/TNP/2018/1523 dated May 15, 2018, seeking permission for your student to undertake project work at TIFR.

I am pleased to inform you that Mr. Tushar Jayesh Barot has been permitted to carry out his project work in TIFR for the period of one month starting from June 04 to July 03, 2018 under the guidance of Mr. W. A. Fernandes, Dept. of Nuclear & Atomic Physics (DNAP)

Under short-term project scheme he will not be entitled for any honorarium / HRA / Accommodation. For obtaining visitors Identity Card he is requested to contact the Administrative Officer, Administration (Room No. A-134). For any further queries he may get in touch with his guide.

I wish the student is able to do good science during his project work in TIFR.

With best regards,

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Yours sincerely,

H K Lita

E-copy to:

Prof. G. Ravindra Kumar, Chairperson, DNAP - for info
Prof. L. C. Tribedi, DNAP
Mr. W. A. Fernandes, DNAP
Mr. M. A. Athavale, Head, Establishment
Mr. Felix Theaver, AO (C)(GA)

HMA-mlp



Date: 14th July, 2018

To Whomsoever It may Concern

Kohinoor hospital is a 175 bedded tertiary care center located in Mumbai. Kohinoor Hospital is Asia's first and the world's second LEED Platinum Certified (2009) and NABH accredited hospital (2014). We have received the IMC RBNQ Commendation Certificate (2015) in Healthcare Category and also the "Global HR Excellence Award" (2015) under the category of organization with innovative HR practices by World HRD Congress (Ascent, Times of India Group).We are equipped with the latest technology, expert healthcare professionals and top-notch medical equipment, making us a world-class player in healthcare.

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This is to certify that Ms. Minouti Madhav Narvekar has done her internship in Biomedical Engineering department from 12th June, 2018 to 12th July, 2018.

During the period of her internship with us, she was found punctual and hardworking.

We wish her all the best in all her future endeavors.

For Kohinoor Hospitals Pvt. Ltd

AIK

Ashutosh Doike General Manager - Human Resources

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Kohinoor Hospital, Kohinoor City, Kirol Road, Off LBS Road, Kurla (West), Mumbai - 400 070. Phone: +91 22 67 55 67 55 / 30 55 30 55 Fax: +91 22 6755 6800 Web: www.kohinoorhospitals.in CIN: U85110MH2007PTC170496

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below mentioned performance parameters on the following rating scale for the same. We are keen to receive your feedback about the performance of our student during his/her intenship with you. We request you to spend some time to evaluate our student based on the We appreciate your valuable contribution in the development of our student and are highly obliged

1 – Below Average 2 – Average 3 – Good 4 - Excellent

Performance Parameters 1 2 Willingness to learn I I Grasp of subject I I Attitude Towards Work I I Communication Skills I I Interpersonal relations/teamwork I I Technical Skills I I Attendance & Punctuality I I	00	1	6	G	4	ω	2	4	Sr. No.
	Overall Performance	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Grasp of subject	Willingness to learn	Performance Parameters
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Name of the student: MS. Minout Nasuetas

Academic Year: 2018-19 Mobile No .: Branch & Division: Biomodical Semester: Email Id:. Roll No.: K

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BMEtean of Sorvice Operating manual Signature of the Reporting Officer Designation: Dy Marager-Mobile No .: 9769006954 Name of the Reporting officer: MS. Par man Period of Internship: Address: Kehneros cita Baseswallon of daily biomedical activities, tralya, on breakdow Nature of work done during internship -Name of the Organisation: cam equipments Munbai-From: depi-15/06/2018 KUHINOUR H' both tehnically Kushel _ Email Id: popranvisturations @ grocil eran Biomedica Road, My USS Road, Kusle (w) HOSPITALS 18 Shurakazna Repearing who company origina To: , Eventation 2100/2015F PUT LT P to varies hoping



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Date: 14th July, 2018

To Whomsoever It may Concern

Kohinoor hospital is a 175 bedded tertiary care center located in Mumbai. Kohinoor Hospital is Asia's first and the world's second LEED Platinum Certified (2009) and NABH accredited hospital (2014). We have received the IMC RBNQ Commendation Certificate (2015) in Healthcare Category and also the "Global HR Excellence Award" (2015) under the category of organization with innovative HR practices by World HRD Congress (Ascent, Times of India Group).We are equipped with the latest technology, expert healthcare professionals and top-notch medical equipment, making us a world-class player in healthcare.

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This is to certify that Mr. Hrishikesh Anil Panchal has done his internship in Biomedical Engineering Department from 15th June, 2018 to 14th July, 2018.

During the period of his internship with us, he was found punctual and hardworking

We wish him all the best in all his future endeavors.

For Kohinoor Hospitals Pvt. Ltd

ALS.

Ashutosh Dolke General Manager - Human Resources

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Kohinoor Hospital, Kohinoor City, Kirol Road, Off LBS Road, Kurla (West), Mumbai - 400 070. Phone: +91 22 67 55 67 55 / 30 55 30 55 Fax: +91 22 6755 6800 Web: www.kohinoorhospitals.in CIN: U65110MH2007PTC170496

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alank

Dear Sir / Madam,

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 - Excellent

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Academic Year: 2018-19 Name of the student: Mr. Hrshikesh Branch & Division: Brann Panchal dicadsemester: V Roll No.: ____

Mobile No: 7738611862 Email Id:

Nature of work done during internship -

Asernation of daily biomedical acharbes; 0 Analyzis on breale

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Brientallon Landrand B. Calabre BME Team 03 Service grientation of Varieus Leapital Perilles and aler Name of the Organisation: KOHINOOR HOSPITALS PVT PUT LED operating manual

Address: Kohenoon ully Kind Road And I ubs Road Kusle (10)

Mumbas 140

Period of Internship: From: 15/06/2018 To: 5 810212018

Name of the Reporting officer: MS. 100 mano Verusakasung

Bienedica

Designation: Dy. Manages -

Mobile No .: 9769006954 Email Id: popram Vishue Karme a

Signature of the Reporting Officer

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Date: 14th July, 2018

To Whomsoever It may Concern

Kohinoor hospital is a 175 bedded tertiary care center located in Mumbai. Kohinoor Hospital is Asia's first and the world's second LEED Platinum Certified (2009) and NABH accredited hospital (2014). We have received the IMC RBNQ Commendation Certificate (2015) in Healthcare Category and also the "Global HR Excellence Award" (2015) under the category of organization with innovative HR practices by World HRD Congress (Ascent, Times of India Group).We are equipped with the latest technology, expert healthcare professionals and top-notch medical equipment, making us a world-class player in healthcare.

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This is to certify that Ms. Srushti Rajendra Nakade has done her internship in Biomedical Engineering Department from 12th June, 2018 to 12th July, 2018.

During the period of her internship with us, she was found punctual and hardworking.

We wish her all the best in all her future endeavors.

For Kohinoor Hospitals Pvt. Ltd

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Ashutosh Dolke General Manager - Human Resources



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below mentioned performance parameters on the following rating scale We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the

1 – Below Average 2 – Average 3 – Good 4 - Excellent

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Overall Performance	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Grasp of subject	Willingness to learn	Performance Parameters
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Name of the student Mr. Srusht Makach Roll No: 1410 5A0003

Nature of work done during int	Mobile No.: 97022	Academic Year: 2018-1
1g internship -	33219	9 Branch & Divisio
	Email Id: 5rusht	sion: Blenneolica/Semester
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Signature of the Reporting Officer anx

Mobile No.: 9769 006854

Designation:

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Biomedica

Email Id: pounany 1 shu akam

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Date: 14th July, 2018

To Whomsoever It may Concern

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This is to certify that Ms. Manali Nikumbh has done her internship in Biomedical Engineering Department from 12th June, 2018 to 12th July, 2018.

During the period of her internship with us, she was found punctual and hardworking.

We wish her all the best in all her future endeavors.

For Kohinoor Hospitals Pvt. Ltd

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Ashutosh Dolke General Manager - Human Resources



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We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

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Overall Performance	Attendance & Punctuality	Technical Skills	Interpersonal relations/teamwork	Communication Skills	Attitude Towards Work	Grasp of subject	Willingness to learn	Performance Parameters
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Name of the student: <u>MSo Marali Nikumbn</u> Roll No.: <u>44105A0046</u> Academic Year: <u>2018-19</u> Branch & Division: <u>Brancelic Ste</u>mester: <u>VIL</u> Mobile No.: <u>9049870572</u> Email Id: <u>makeumbn manali @ gralloc</u>

Signature of the Reporting Officer	Designation: Dyo prevages - Biomedical Mobile No: 9769 006954 Email Id: poonan Vishwakesme @gnail. (9)	Name of the Reporting officer: Ms. Provam Vishusa Kasuna	Period of Internship: From: <u>12 6 6 2018</u> To: <u>12 57 2018</u>	Address: KEhunger any, Kind Road, Of 1BS Road, Kungle	Name of the Organisation: KDH/ NUDR HOSPITALS PUT LTD.	of interve BME treas or service operation named servicestation	Observation of daily benedical as hubes, analysis on breakdo	Nature of work done during internship -
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WESTERN RAILWAY

Divisional Office, Mumbai Central, Mumbai-400008 Date: 14th April 2018

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CERTIFICATE

This is to certify that Mast. Amey.S.Bairolu (T.E. EXTC) from Vidyalankar Institute of Technology, Mumbai was assigned 22 days training on study of "TRAIN MANAGEMENT SYSYTEM" (From 24th March, 2018 to 14th April, 2018).

He has performed his training in Train Management System (TMS) and during the period he has shown keen interest in getting the technical details of TRAIN MANAGEMENT SYSTEM (TMS).

This certificate is issued to him for successful completion of training.

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I wish him success in his future endeavours.

Divisional Signal and Telecom Engineer, 16.4.18 WesterniRatiways, and Telecom Engineer, 16.4.18 Mumbai Gentral 400008.

Divil Signal & Tule Eugineers W. Riy. Bombay Central



WESTERN RAILWAY

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Date: 14th April 2018 Divisional Office, Mumbai-400008 Mumbai Central,

CERTIFICATE

SYSYTEM" (From 24th March, 2018 to 14th April, 2018). Technology, Mumbai was assigned 22 days training on study of "TRAIN MANAGEMENT This is to certify that Ms. Sanjukta Sheth (T.E. EXTC) from Vidyalankar Institute of

SYSTEM (TMS). period she has shown keen interest in getting the technical details of TRAIN MANAGEMENT She has performed her training in Train Management System (TMS) and during the

This certificate is issued to her for successful completion of training.

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I wish her success in her future endeavours.

Divisional Signal and Telecom Engineer, 16.4.18 Western Railways, Mumbai Central – 400008. Divil V



WOCKHARDT WINS

13th July 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Nikita Pai has completed her internship in Bio Medical Department at Wockhardt Hospitals, Mira Road from 13th June 2018 to 13th July 2018.

We found her sincere, hardworking, and technically sound and result oriented. She worked well as part of a team during her tenure.

We take this opportunity to wish her all the best for her future.

For Wockharr to Hospitche Ltd. Deputy Manager - Human Resources Alwyn Cutinha

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Registered Office: Wockhardt Towers, Bandra Kurla Complex, Bandra (E), Mumbai - 400 051. India CIN No - U85100MH1991PLC063096 For Appointments Call : 810 818 1044 | Landline :022 2855 6000 | Emergency No.: 810 818 1081 | www.wockhardthospitals.com

Unit : The Umrao Institute of Medical Science and Research, Near Railway Station, Mira Road (E.), Dist Thane - 401107.

Wockhardt Hospitals Ltd.

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10	ala ala
0	1.18

We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during his/her internship with you. We request you to spend some time to evaluate our student based on the below mentioned performance parameters on the following rating scale

1 – Below Average 2 – Average 3 – Good 4 – Excellent

No.	Performance Parameters	μ	2	ω
1 Willingness to learn				7
2 Grasp of subject				7
3 Attitude Towards Work				
4 Communication Skills				
5 Interpersonal relations/teamwork	vork			7
6 Technical Skills				5
7 Attendance & Punctuality			7	
8 Overall Performance				7
Name of the student: NINCITA PAL	AL BALLING ICID CANDOD	151		000
Academic Year: <u>2017-18</u> Branch & Division: <u>TF_B10MED</u> Semester: <u>V1</u>			OSA	001

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Nature of work done during internship -

0

GOOD, Handworkisz, Hime bounding,

Name of the Organisation: INDCEHPEDT HOSPITHLE LAD

Address: MIRA ROAD - FAST

Period of Internship: From: 13/06/2018 To: 13/07/2018 Name of the Reporting officer: MAYNE YAADYA

Designation: BIOMESICA OFICAR - ES

Mobile No: 8149883063 Email Id: mayur Naidya Queck hard Hospiles

Signature of the Reporting Officer murite



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WWQCKHARDI WINS

13th July 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Shazia Iqbal has completed her internship in Bio Medical Department at Wockhardt Hospitals, Mira Road from 13th June 2018 to 13th July 2018.

We found her sincere, hardworking, and technically sound and result oriented. She worked well as part of a team during her tenure.

We take this opportunity to wish her all the best for her future.

For Wockhard Hospitals Ltd. Alwyn Culi Mira Road (EL Thane

Deputy Manager Human Resources

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CIN No - U85100MH1991PLC063096 For Appointments Call : 810 818 1044 | Landline :022 2855 6000 | Emergency No.: 810 818 1081 | www.wockhardthospitals.com

Unit : The Umrao Institute of Medical Science and Research, Near Railway Station, Mira Road (E.), Dist Thane -401107.

Wockhardt Hospitals Ltd.

Registered Office: Wockhardt Towers, Bandra Kurla Complex, Bandra (E), Mumbai - 400 051. India

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below mentioned performance parameters on the following rating scale his/her internship with you. We request you to spend some time to evaluate our student based on the We appreciate your valuable contribution in the development of our student and are highly obliged for the same. We are keen to receive your feedback about the performance of our student during

1 – Below Average 2 – Average 3 – Good 4 – Excellent

Sr.	Perf	Performance Parameters	1	2	ω
щ	Willingness to learn				1
2	Grasp of subject				7
ω	Attitude Towards Work				
4	Communication Skills				1
сл	Interpersonal relations/teamwork	mwork		_	7
6	Technical Skills			-	7
7	Attendance & Punctuality				
00	Overall Performance				
Name	Name of the student: Shazia Mohammed Iqbal		- Roll No .: 1510540025	05A00	25
Academic Year: 2017-18.	Academic Year: 2017-18.				C

0

Nature of work done during internship -Very 4000 Hard working

0

Name of the Organisation: Wockhardt Hospitals Jud

Address: Near mira

Road

failway station.

Period of Internship: From: 13-06-18 To: 13-7-18

Mobile No.:

2905886418

Email Id: may in veiling Queckharolt hospitals

(om

Signature of the Reporting Officer

Name of the Reporting officer: Mayur Voidy of Designation: Biomedical CHFiler



Lata Mangeshkar Medical Foundation's DEENANATH MANGESHKAR HOSPITAL & RESEARCH CENTER

Erandawane, Pune 411 004. Tel. : 66023000 / 40151000 / 49153000 Email : Info@dmhospital.org, Website : www.dmhospital.org

PST095/1

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DMH/2018/AMS/GEN

16th July 2018

CERTIFICATE

This is to certify that Miss. Madhura Ashok Mengade, has completed Internship in Clinical Engineering Department at Deenanath Mangeshkar Hospital And Research Centre, Pune, India.

Duration of Internship: 18th June 2018 To 14th July 2018

We wish all the best for her future.

Dr. Asmita Bhave Asst. Med. Superintendent -



() Chombet

Dr. Niranjan Khambete Clinical Engineering





(Kohinoor Hospital creating a new benchmark in healthcare

Date: 14th July, 2018

To Whomsoever It may Concern

Kohinoor hospital is a 175 bedded tertiary care center located in Mumbai. Kohinoor Hospital is Asia's first and the world's second LEED Platinum Certified (2009) and NABH accredited hospital (2014). We have received the IMC RBNQ Commendation Certificate (2015) in Healthcare Category and also the "Global HR Excellence Award" (2015) under the category of organization with innovative HR practices by World HRD Congress (Ascent, Times of India Group).We are equipped with the latest technology, expert healthcare professionals and top-notch medical equipment, making us a world-class player in healthcare.

This is to certify that Mr. Amarpreet Singh Lamba has done his internship in Biomedical Engineering Department from 12th June, 2018 to 12th July, 2018.

During the period of his internship with us, he was found punctual and hardworking.

We wish him all the best in all his future endeavors.

For Kohinoor Hospitals Pvt. Ltd

Ashutosh Dolke General Manager - Human Resources







creating a new benchmark in healthcare



Date: 14th July, 2018

To Whomsoever It may Concern

Kohinoor hospital is a 175 bedded tertiary care center located in Mumbai. Kohinoor Hospital is Asia's first and the world's second LEED Platinum Certified (2009) and NABH accredited hospital (2014). We have received the IMC RBNQ Commendation Certificate (2015) in Healthcare Category and also the "Global HR Excellence Award" (2015) under the category of organization with innovative HR practices by World HRD Congress (Ascent, Times of India Group).We are equipped with the latest technology, expert healthcare professionals and top-notch medical equipment, making us a world-class player in healthcare.

This is to certify that Mr. Aniket Kolekar has done his internship in Biomedical Engineering Department from 12th June, 2018 to 12th July, 2018.

During the period of his internship with us, he was found punctual and hardworking.

We wish him all the best in all his future endeavors.

For Kohinoor Hospitals Pvt. Ltd

Ashutosh Dolke General Manager - Human Resources



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Date: 14th July, 2018

To Whomsoever It may Concern

Kohinoor hospital is a 175 bedded tertiary care center located in Mumbai. Kohinoor Hospital is Asia's first and the world's second LEED Platinum Certified (2009) and NABH accredited hospital (2014). We have received the IMC RBNQ Commendation Certificate (2015) in Healthcare Category and also the "Global HR Excellence Award" (2015) under the category of organization with innovative HR practices by World HRD Congress (Ascent, Times of India Group).We are equipped with the latest technology, expert healthcare professionals and top-notch medical equipment, making us a world-class player in healthcare.

This is to certify that Ms. Laxmipriya Swain has done her internship in Biomedical Engineering Department from 12th June, 2018 to 12th July, 2018.

During the period of her internship with us, she was found punctual and hardworking.

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We wish her all the best in all her future endeavors.

For Kohinoor Hospitals Pvt. Ltd

Ashutosh Dolke General Manager - Human Resources



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Larsen & Toubro Limited Electrical & Automation L&T Business Park, TC-2 Tower B,

2th Floor, Gate No. 5, Powai Campus, Saki Vihar Road, Powai, Mumbai - 400072, INDIA Tel - +91-22 6705 0505 www.Lntebg.com

EAIC/Pers/Proj-Tr

July 20, 2018

CERTIFICATE OF TRAINING (TO WHOMSOEVER IT MAY CONCERN)

۰.

Name	:	Mr. Chetan Shelar
College	:	Vidyalankar Institute of Technology, Mumbai.
Category	:	Project Trainee
Date of Joining	:	June 20, 2018
Date of Leaving	:	July 20, 2018
Department/Place of Work	:	Switchgear Design & Development Center, Powai.
Project Title	:	Low voltage RCCB tripping kit.

3

For LARSEN & TOUBRO LIMITED

Deepak Pradhan Dy. General Manager - HR Electrical & Automation

Registered Office: L&T House, N. M. Marg, Ballard Estate, Mumbai - 400 001, INDIA CIN - L99999MH1946PLC004768

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D LST Electrical A Momation

Larsen & Touhra Limited Electrical & Automation La Rucines Park, IC2 Power 8, Zth How Gaste Powi, Sait With Road, Powi Mundair - 40022, IIDM Rev. + 91 22 6005 0055 www.Intely.com

July 20, 2018

EAIC/Pers/Proj-Tr

CERTIFICATE OF TRAINING (TO WHOMSOEVER IT MAY CONCERN)

Vidyalankar Institute of Technology, Mumbai. Switchgear Design & Development Center, Powai. Low voltage RCCB tripping kit. Mr. Ajinkya Soman Project Trainee June 20, 2018 July 20, 2018 .. .: Department/Place of Work Date of Leaving Date of Joining Category College Name

Project Title

For LARSEN & TOUBRO LIMITED

Dy. General Manager - HR Electrical & Automation AA Deepak Prádhan

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www.intebg.com

EAIC/Pers/Proj-Tr

July 20, 2018

CERTIFICATE OF TRAINING (TO WHOMSOEVER IT MAY CONCERN)

. Ms. Nanda Kale

Name	 MS. Nation Rais
College	 Vidyalankar Institute of Technology, Mumbai.
Category	 Project Trainee
Date of Joining	 June 20, 2018
Date of Leaving	 July 20, 2018
Department/Place of Work	 Switchgear Design & Development Center, Powai.
Project Title	 Low voltage RCCB tripping kit.

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For LARSEN & TOUBRO LIMITED A. 1

Deepak Pradhan Dy. General Manager - HR Electrical & Automation

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Registered Other CLSC Reuse, N. M. Marg, Ballard Estate, Mumbar - 400 (RC), (NO)A CNV (DADDDADA, RC) - RECEPTION 768 (18) Flecting N.A. etcores a business brand of Larsen & Toubro Limitian

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27 L&T Electrical & Automation

Larsen & Toubro Limited Electrical & Automation 18 Thermony July, TC-2 Touer 8, 7th Hene, Gane Var 5, Franzi Campus, 544 What Road, Passai, Atumbai - 400072, WDM Atumbai - 400072, WDM Tel: +91-22-6705-0505 www.tntebg.com

EAIC/Pers/Proj-Tr

July 20, 2018

CERTIFICATE OF TRAINING (TO WHOMSOEVER IT MAY CONCERN)

Name College	· · · · ·	Mr. Siddhesh Soyane Vidyalankar Institute of Technology, Mumbai.
Category		Project Trainee
Date of Joining		June 20, 2018
Date of Leaving	•••	July 20, 2018
Department/Place of Work		Switchgear Design & Development Center, Powai.
Project Title		Low voltage RCCB tripping kit.

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For LARSEN & TOUBRO LIMITED

Deepak Fradhan Dy. General Manager - HR Electrical & Automation

Registered Office: UST House, N. M. Marg, Ballard Etarle, "Jumba 1970-001, INDIA Part Lannae, 947 045 (1) C.Y. 1765

India Impex LLP

INTERNSHIP CERTIFICATE

This is to certify that <u>Ms. Ritika Patil</u>, pursuing her B.Engg., 3rd year has successfully completed summer internship at <u>AARONIC INDIA IMPEX LLP Mira Road (E)</u>, from <u>14th June, 2018</u> to <u>26th June, 2018</u>.

We found her sincere, hardworking, technically sound and result oriented. She worked well as part of a team during her tenure. We take this opportunity to thank her and wish her all the best for her future.

Name: Jyotsna Waghmare Designation: Director Place: Mira Road E Date: 26.06.2018 Office Stamp:



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India Impex LLP

INTERNSHIP CERTIFICATE

This is to certify that Ms. Ankita Kale, pursuing her B.Engg., 3rd year has successfully completed summer internship at AARONIC INDIA IMPEX LLP Mira Road (E), from 14th June, 2018 to 26th June, 2018. · ,

We found her sincere, hardworking, technically sound and result oriented. She worked well as part of a team during her tenure. We take this opportunity to thank her and wish her all the best for her future.

Name: Jyotsna Waghmare Designation: Director Place: Mira Road E Date: 26.06.2018 Office Stamp:





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ASIAN HEART INSTITUTE & RESEARCH CENTRE PVT LTD: G/N Block, Bandra-Kurla Complex, Bandra (East), Mumbai - 400 051, INDIA. T: +91-22 - 6698 6666. F: +91-22 - 6698 6506. E: info@ahirc.com I www.asianheartinstitute.org Asian.Heart.Hospital () /AsianHeartInst

Date: July 12, 2018

To Whomsoever It May Concern

This to certify that Vaishnavi Ramnagina Yadav has successfully completed her internship in Biomedical department starting from June 13, 2018 to July 12, 2018.

During her internship, we found her to be hard working, honest and sincere. Her conduct was good during this period.

We wish her all the best in her future endeavors.

For Asian Heart Institute

Authorized Signatory



11th July 2018

Certificate

We hereby certify that Ms. Manjiri Manjrekar has participated & successfully completed Summer Internship program for Undergraduate Biomedical Engineers, held by our company from 12th June 2018 to 11th July 2018

The candidate has attended following sessions:

Sr. no.		Lecture	S
1	Introduction to tools & Electroni	c Compone	nts
2	Basics of Electrical Engineering		
3	Human Anatomy & Physiology		
4	Infection Control & CSSD Practic	es	
Sr. no.	•	Practica	1
1	Assembling Pow	er supply &	making it functional
Sr. no.	Introduction to Products	Sr. no.	Management Topics
1	OR Tables	1	Supply Chain Management
2	Ventilators	2	Quality & Regulatory Issues
3	Anesthesia	3	HR Management
4	Heart Lung Machine		
5	ECMO		
6	Intra- Aortic Balloon Pump		
7	Infection Control Equipment		

We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.

With best wishes for all future assignments & successful career.

For Maquet Medical India Pvt. Ltd.,

in

Vishwanath Joglekar Senior Director- After Market & Services

Phone +91 22 6233 2100 Fax +91 22 6233 2150

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GETINGE 🌾

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11th July 2018

Certificate

We hereby certify that Mr. Rohan More has participated & successfully completed Summer Internship program for Undergraduate Biomedical Engineers, held by our company from 12th June 2018 to 11th July 2018

The candidate has attended following sessions:

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Sr. no.		rectures
	Introduction to tools & Electronic Components	Componen
2	Basics of Electrical Engineering	
ω	Human Anatomy & Physiology	
4	Infection Control & CSSD Practices	S
Sr. no.	-	Practical
1	 Assembling Power supply & making it functional 	r supply &
Sr. no.	Introduction to Products	Sr. no.
-	OR Tables	
2	Ventilators	1
ω	Anesthesia	1 2
4	Heart Lung Machine	1 2 3
5	ECMO	1 2 3
•	LONG	1 3
σ	Intra- Aortic Balloon Pump	3

We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.

With best wishes for all future assignments & successful career.

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For Maquet Medical India Pvt. Ltd.,

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Vishwanath Joglekar Senior Director- After Market & Services

Maquet Medical India Pvt. Ltd. 202 & 204, Fulcrum, 'B' Wing, Sahar Road, Opp. T2 Airpot, Andheri East, Mumbai - 400 099 CIN U33110MH004PTC1443117

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11th July 2018

Certificate

We hereby certify that **Ms. Priyanka Shetty** has participated & successfully completed Summer Internship program for Undergraduate Biomedical Engineers, held by our company from 12th June 2018 to 11th July 2018

The candidate has attended following sessions:

Sr. no.		Lectures	5
1	Introduction to tools & Electroni	c Compone	nts
2	Basics of Electrical Engineering		
3	Human Anatomy & Physiology		
4	Infection Control & CSSD Practic	es	
			,
Sr. no.		Practica	
1	Assembling Pow	er supply &	making it functional
		-	
Sr. no.	Introduction to Products	Sr. no.	Management Topics
1	OR Tables	1	Supply Chain Management
2	Ventilators	2	Quality & Regulatory Issues
3	Anesthesia	3	HR Management
4	Heart Lung Machine	_	
5	ECMO	_	
6	Intra- Aortic Balloon Pump	4	
7	Infection Control Equipment		

We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.

With best wishes for all future assignments & successful career.

For Maquet Medical India Pvt. Ltd.,

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Vishwanath Joglekar Senior Director- After Market & Services

Maquet Madical India Pvt. Ltd. 203 & 204, Fulcrum, 'B' Wing, Sahar Road, Opp. T2 Airport, Andheri East, Mumbal - 400 099. CIN : U33110MH004PTC1443117 Phone : +91 22 6233 2100 Fax : +91 22 6233 2150

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 Bengaluru
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 Chennal
 Tel. +91 44 4051 2200

 TOLL FREE HELPLINE : 1800 222377

GETINGE

11th July 2018

Certificate

We hereby certify that Ms. Aparna Rane has participated & successfully completed Summer Internship program for Undergraduate Biomedical Engineers, held by our company from 12th June 2018 to 11th July 2018

The candidate has attended following sessions:

Sr. no.		Lectures	
1	Introduction to tools & Electronic	c Componer	nts
2	Basics of Electrical Engineering		
3	Human Anatomy & Physiology		
4	Infection Control & CSSD Practice	es	
Sr. no.		Practica	
1	Assembling Pow	er supply &	making it functional
Sr. no.	Introduction to Products	Sr. no.	Management Topics
1	OR Tables	1	Supply Chain Management
2	Ventilators	2	Quality & Regulatory Issues
3	Anesthesia	3	HR Management
4	Heart Lung Machine		
5	ECMO		
6	Intra- Aortic Balloon Pump	_	
7	Infection Control Equipment		

We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.

With best wishes for all future assignments & successful career.

For Maquet Medical India Pvt. Ltd.,

Vishwanath Joglekar Senior Director- After Market & Services

Maquet Medical India Pvt. Ltd. 203 & 204, Fulcrum, 'B' Wing, Sahar Road. Opp. T2 Airport, Andheri East, Mumbai - 400 099 CIN - U33110MH004PTC1443117 Phone: +91 22 6233 2100 Fax: +91 22 6233 2150

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11th July 2018

Certificate

We hereby certify that **Ms. Avanti Vartak** has participated & successfully completed Summer Internship program for Undergraduate Biomedical Engineers, held by our company from 12th June 2018 to 11th July 2018

The candidate has attended following sessions:

Sr. no.		Lectures	
1	Introduction to tools & Electronic	c Componen	its
2	Basics of Electrical Engineering		
3	Human Anatomy & Physiology		
4	Infection Control & CSSD Practice	es	
Sr. no.		Practica	
1	Assembling Pow	er supply &	making it functional
Sr. no.	Introduction to Products	Sr. no.	Management Topics
1	OR Tables	1	Supply Chain Management
2	Ventilators	2	Quality & Regulatory Issues
3	Anesthesia	3	HR Management
4	Heart Lung Machine	_	
5	ECMO		
6	Intra- Aortic Balloon Pump	_	
7	Infection Control Equipment		

We admire & appreciate the enthusiasm & sincerity of the candidate throughout entire program.

With best wishes for all future assignments & successful career.

For Maquet Medical India Pvt. Ltd.,

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Vishwanath Joglekar Senior Director- After Market & Services

Maquet Medical India Pvt. Ltd. 203 & 204, Fulcrum, 'B' Wing, Sahar Road, Opp. T2 Airport, Andheri East, Mumbai - 400 099 CIN U33110MH004PTC1443117 Phone +91 22 6233 2100 Fax +91 22 6233 2150

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 Bengaluru
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 Chennai
 Tel. +91 44 4051 2200

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 1800 22237

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Date: 14th July, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Vaishnavi Bane has completed her internship in Bio-medical Department from 15th June, 2018 to 14th July, 2018.

We found her sincere, hardworking and technically sound and result oriented. She worked well as part of a team during her tenure.

We wish her success and all the best for her future endeavors.

For Global Hospital

ylaileur

Sanjay Gaikwad AGM – Human Resources

GLOBAL HOSPITAL - SUPER SPECIALITY & TRANSPLANT CENTRE (A Unit of Centre for Digestive and Kidney Diseases (India) Pvt. Ltd.) 35. Dr. E. Borges Road, Hospital Avenue, Opp. Shirodkar High School, Paral, Mumbris, 400 010



Date: 14th July, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Twinkle Harkal has completed her internship in Bio-medical Department from 15th June, 2018 to 14th July, 2018.

We found her sincere, hardworking and technically sound and result oriented. She worked well as part of a team during her tenure.

We wish her success and all the best for her future endeavors.

For Global Hospital

Junipy Gailewin

Sanjay Gaikwad AGM – Human Resources

GLOBAL HOSPITAL - SUPER SPECIALITY & TRANSPLANT CENTRE (A Unit of Centre for Digestive and Kidney Diseases (India) Pvt. Ltd)



Date: 14th July, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Sonali Vidhate has completed her internship in **Bio-medical** Department from 15th June, 2018 to 14th July, 2018.

We found her sincere, hardworking and technically sound and result oriented. She worked well as part of a team during her tenure.

We wish her success and all the best for her future endeavors.

For Global Hospital

Sanjay Jaihur

Sanjay Gaikwad AGM – Human Resources

GLOBAL HOSPITAL - SUPER SPECIALITY & TRANSPLANT CENTRE (A Unit of Centre for Digestive and Kidney Diseases (India) Pvt. Ltd) 35, Dr. E. Borges Road, Hospital Avenue, Opp. Shirodkar High School, Parel, Mumbai - 400 012. Tel.: 022-6767 0101 • Telefax : +91 22 6767 0121 • www.globalhospitalsindia.com • C1N: U85110MH2004PTC146014

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This is to certify the attendance of

Amarpreet Singh Lamba

BIOMED CONCEPT ORIENTATION TRAINING (BIOMED COT)

ETHICON

PART OF THE Johnon Johnon FAMILY OF COMPANIES

Venue : Johnson & Johnson Institute, Mumbai, India 16 June, 2018

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Dr. Vinod Gopal Director **Professional Education**

Dr. Vivek Raul

<u>Deputy Manager</u> Professional Education

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Celebrating 20 Years

Ref: LTI /HR/ T02173

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July 13 ,2018

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This is to certify that Mr. Pankaj Warke, has successfully completed his internship titled "PBF L1 Support - Process Automation using RPA (Robotic Process Automation) tool Sikuli-X and Python scripting Language" with MFG in Larsen & Toubro Infotech Ltd, Mahape during the period from June 19,2018 to July 13,2018.

His performance during the Project period was satisfactory and we wish him all the very best for his future endeavors.

Yours sincerely, For Larsen & Toubro Infotech Ltd.

Ms. Banu Balu Global Operations HR - India

Larsen & Toubro Infotech Ltd.

Plot No. EL-200, TTC Electronic Zone, Shil-Mahape Road, Navi Mumbai - 400710, India

T +91 22 6795 4298 | CIN: U72900MH1996PLC104693



Registered office L&T House, Ballard Estate, Mumbai 400 001, India www.Lntinfotech.com | E-mail: info@Lntinfotech.com

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Ref: IS/Internship/2018-19/0001

Date 10.07.2018

TO WHOM IT MAY CONCERN

This is to certify that **Mr Abhiraj Taral** from Vidyalankar Institute of Technology, Mumbai has worked as a team member of Project team for evaluation of Technology for Virtual Data Room, Document Management System and Enterprise Security Projects to be implemented in Ratnagiri Refinery and Petrochemical Limited, as part of his internship.

He has satisfactorily completed his internship and submitted Project Report on VDR, DMS and Enterprise Security under the guidance of **Sh Manish Malik**, **GM(IS)** from 11.06.2018 to 10.07.2018.

Prabal Thatul

Prabal Thakurta DGM (HR), RRPCL



Ratnagiri Refinery and Petrochemicals Limited IL&FS Financial Centre, 5th Floor, Plot C-22, G Block, Bandra Kurla Complex, Bandra (East), Mumbai-400051, Tel : +91-22-40456400 | www.rrpcl.com CIN No. 1123200MH2017PLC300014 | GST No. 27AAICR5383C129

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y java EOUNDATION

July 4, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Anushree Joshi has volunteered with Sujaya Foundation's English Immersion Program from June 6, 2018 to July 4, 2018.

She has helped in training our beneficiaries in the activities of the English Immersion program at the Bandra centre; furthermore, she has helped in additional content preparation for the English Immersion Program.

During her tenure we found her to be enthusiastic and dedicated. She had a great connect with the beneficiaries.

We appreciate her services to the Foundation and wish her all the best for the future.

For Sujaya Foundation

Ms. Sujaya Shetty Program Director – Empower Youth

Place : Mumbai Date : July 4, 2018

Registered Address: 401, Lotus House, New Marine Lines, Mumbai 400 020, Tel. : 91-22 22078490 Correspondence Address: Bunchess 44/C, First Floor, The Kurla Advance Corect Hog Society, Ltd. S.G.Barve Marg.

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THADOMAL SHAHANI TSEC

THADOMAL SHAHANI ENGINEERING COLLEGE

08/08/2017

Certificate

This is to certify that Mr. DHRUV AJAY RAJENDRA JYOTI has been a regular student of Ph.D.. He attended the course work conducted at the recognized research centre/department from January 2017 to July 2017 during the year 2016-2017. He has successfully completed the Ph.D. course work prescribed by the University of Mumbai. He secured S grade in seven point scale.

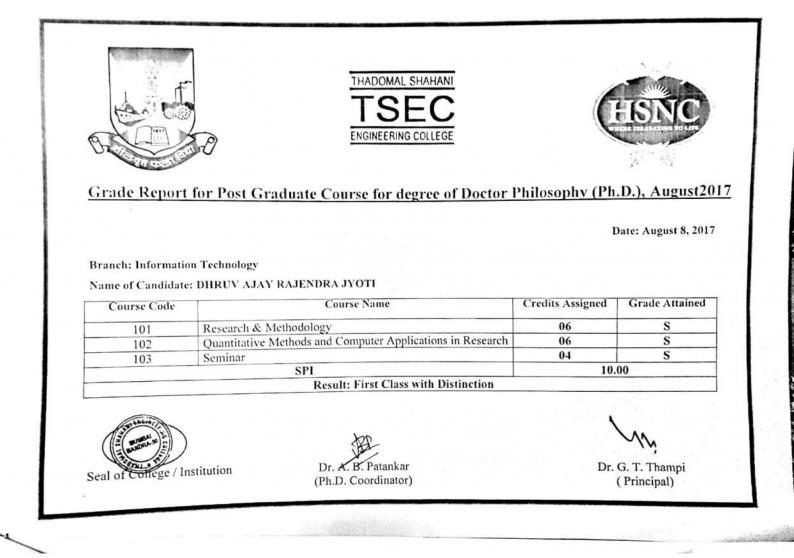
Dr. J. W. Bakal Guiding Teacher

Dr. A. B. Patankar Ph. D. Coordinator

Dr. G.T. Thampi Head of the Department / Principal



ADVOCATE NARI GURSHAHANI MARG, 37TH ROAD, (OFF LINKING ROAD), TPS III, BANDRA (WEST), MUMBAI - 400 050, INDIA Tel, : 91 - 22 - 26495808 / 26486830; Fax : 91-22-26053590 • E-mail : gtthampi@yahoo.com • Website : www.tsec.edu



AMITY UNIVERSITY

Established vide Maharashtra. Act No. 13 of 2014, of Government of Manarashtra, and recognised under section. 2 (I) of UGC Act 1956.

PhD/Topic/Jan 16-02

Dated: March 06, 2017

To Mrs. Deepali Vora 89/A, Kamgar Nagar, Kurla (East) MUMBAI – 400 024

Reg.: Approval of Research Topic and allocation of Research Supervisor

Dear Mrs. Vora,

This is to inform you that subject to the final ratification of the University Research Committee the following topic has been tentatively approved by the Student Research Committee as your topic for PhD research.

'Implementing a Deep Learning Approach for the Performance Prediction in Educational Information System'

You will be carrying out the research under the supervision of **Dr. R. Kamatchi**, who will be your Research Supervisor.

With best wishes,

(**Prof. Abhijit Shirodkar**) Controller of Examinations Amity University Mumbai



Scanned by CamScanner



Somaiya Vidyavihar K J Somaiya College of Engineering (An Autonomous Un-aided Institute - Affiliated to University of Mumbai & Approved by AICTE)

Date: 31/10/2017

Certificate

This is to certify that Gidaye Girish Babaji (Roll No.1692001) has successfully completed Ph.D Technology (Electronics Engineering) Course Work at K. J. Somaiya College of Engineering, Mumbai-77 with SGPI 9.52 during the semester September 2016-June 2017 of the academic year 2016-17.



Dr. Shubha Pandit

Principal







The National Initiative on Undergraduate Science (NIUS), a major initiative of HBCSE-TIFR concerning tertiary science education in India, was launched in the summer of 2004. With thrust on promoting undergraduate research and learning, the NIUS programme has been contributing towards training of students and teachers in theoretical and experimental science, preparation of pedagogical material and R&D in science education/laboratory training.

NIUS faculty at HBCSE have also assisted in setting up and conducting laboratories and framing curricula in the new institutes in their formative years. Supporting college teachers to set up modest research programs at their own institutions is yet another important facet of the NIUS programme which further helps in mentoring undergraduate students at local levels.

Homi Bhabha Center for Science Education (HBCSE-TIFR) Mumbai, organised National Initiative on Undergraduate Studies (NIUS) faculty training program on March 2017. Prof. (Dr.) Arpit Rawankar from department of EXTC, VIT was selected for this faculty training program. HBCSE is offering a maximum of two sets of the experimental kits free of cost to participants of NIUS from various institution/college across India.

The complete experimental kit consist of (1 No each) Wooden platform, Two Laser source with its mount and base, DC regulated power supply for the Laser source, Sample holder with its base, Left and right reflectors (front coated mirrors), Plane mirror (10 cm x 10 cm), Sample I (helical spring), Sample II (double helix like pattern printed on glass plate), Digital Vernier callipers, Measuring tape (1.5 m), Light meter (connected to light sensor assembly), Tablet computer (used as sine wave generator), Digital multimeter, Vibrator control box, Rack and pinion assembly with its wooden base, Vibrator assembly.

Experiment Details:

Diffraction due to surface tension waves on water

Introduction

Formation and propagation of waves on a liquid surface are important and well-studied phenomena. For such waves, the restoring force on the oscillating liquid is partly due to gravity and partly due to surface tension. For wavelengths much smaller than a critical wavelength, λ_c the effect of gravity is negligible and only surface tension effects need be considered

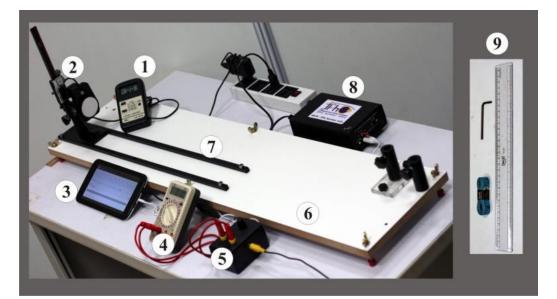
$$\lambda_c = 2\pi \sqrt{\frac{\sigma}{\rho g}}$$

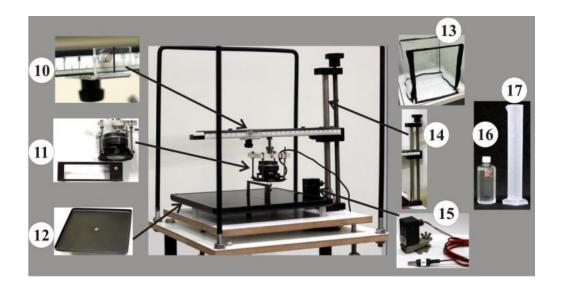
where σ is the surface tension, ρ is the density of the liquid and g is the acceleration due to gravity).

In this part, experiment on surface tension waves on the surface of a liquid is conducted, which have wavelengths smaller than λ_c . Surface tension is a property of liquids due to which the liquid surface behaves like a stretched membrane. When the liquid surface is disturbed, the disturbance propagates as a wave just as on a membrane. An electrically-driven vibrator is used to produce waves on the water surface. When a laser beam is incident at a glancing angle on these surface waves, they act as a reflection grating, producing a well-defined diffraction pattern. Surface tension waves are damped (their amplitude gradually decreases) as they propagate. This damping is due to the viscosity of the liquid, a property where adjacent layers of a liquid oppose relative motion between them.

Objective

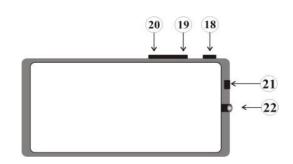
To use diffraction from surface tension waves on water to determine surface tension and viscosity of the given water sample.





List of Apparatus:

[1]	Light meter (connected to light sensor assembly)				
[2]	Light sensor assembly mounted on Vernier caliper placed on a screen base				
[3]	Tablet computer (used as sine wave generator)				
[4]	Digital multimeter				
[5]	Vibrator control box				
[6]	Wooden platform				
[7]	Track for moving light sensor assembly				
[8]	DC regulated power supply				
[9]	Hex key, measuring tape and plastic scale				
[10]	Scale and rider with vibrator position marker				
[11]	Vibrator assembly				
[12]	Water tray				
[13]	Plastic cover				
[14]	Assembly for adjusting vibrator height				
[15]	Laser source 2 (Wavelength 635 nm)				
[16]	Water sample for the experiment				

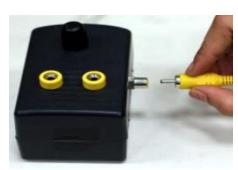


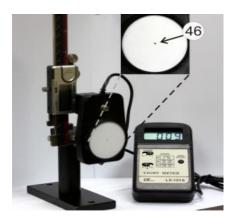
[18]	Power Switch		
[19]	Volume up		
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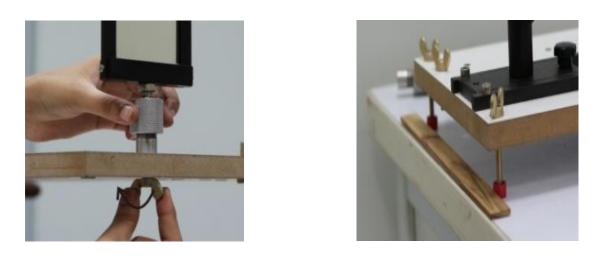


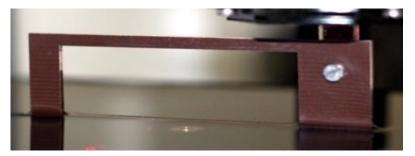




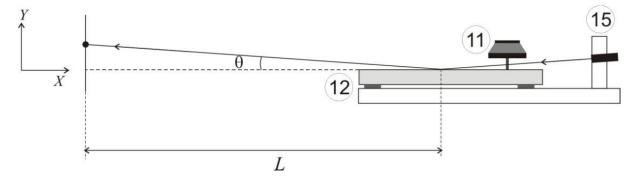








Objective 1: Determination of surface tension of the given water sample



From diffraction theory it can be shown that

$$k=\frac{2\pi}{\lambda_L}\sin\theta\sin\gamma$$

where, $k = \frac{2\pi}{\lambda_w}$ is the wave number of the surface tension waves,

 λ_w and λ_L being the wavelengths of the surface tension waves and the laser respectively.

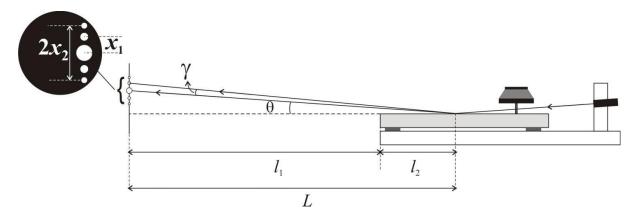
The angle γ is the angular distance between the central maximum and the first-order maximum (Fig. 19).

The vibration frequency (f) of the waves is related to the wave number k by

$$\omega = \sqrt{\frac{\sigma}{\rho}} k^q$$

where, ρ is the density of the water and q is an integer.

Objective 2: Determination of the attenuation constant δ and the viscosity of the liquid η



The surface tension waves are damped due to the viscosity of water. The wave amplitude, h, decreases exponentially with the distance, s, measured from the vibrator,

$$h = h_0 e^{-\delta s}$$

where, h_0 is the amplitude at the vibrator position and δ is the attenuation constant.

Experimentally, amplitude h_0 can be related to the voltage (Vrms) applied to the vibrator assembly as,

$$h_0 = (V_{rms})^{0.4}$$

The attenuation constant is related to the viscosity of the liquid as

$$\delta = \frac{8}{3} \frac{\pi \eta f}{\sigma}$$

where, η is the viscosity of the liquid.

Ph (02462) 229242,43 Fax 229574

Swami Ramanand Teerth Marathwada University Nanded - 431 606 (Maharashtra)



फोन (०२४६२) २२९२४२,४३,फॅक्स २२९५७४ स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ नांदेड – ४३१६०६ (महाराष्ट्र) (A UGC 2(f), 12(B) recognized & NAAC Re-accredited (CGPA 2.11) State University)

Ref: PG/allocation/2012-2013/

Date:26/12/2012

Certificate of Allocation

This is to certify that Meeting of Research Allocation Committee for PET-2012 in the Subject Electronics of Telecommunication Engineering of Technology Inter the faculty of ---

In the Said meeting Mr/Ms Khagare Mahesh G-has been allocatyers to Supervisor, Dr. -- Sangita Joshi ----)n to complete his /her Ph.D.work

Dean of the Faculty and Chairman, RAC

Copy to.

- Supervisor, with request to accommodate and supervise the aforesaid V. Research Scholar.
 - Director, BCUD for record. 2. 3.
- Research Centre for information and necessary action. 4.
- Research scholar, with instructions to contact the Supervisor for preparing the Synopsis Synopsis is to be submitted to P.G. Section of the university within two weeks, which will be placed before Research & RecognitionCommittee for it consideration. The Research scholar has to appear before the RRC at the time of it's meeting.

lndian Institute of Technology Bombay

RECEIPT

Cash Section

Cash Journal no.: CJ21

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Cheque Date:	08-02-2018
IFSC Code:	SBIN0001109
Bank Name :	STATE BANK OF INDIA

Note: Cheque is subject to realization

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THADOMAL SHAHANI TSEC

THADOMAL SHAHANI ENGINEERING COLLEGE

08/08/2017

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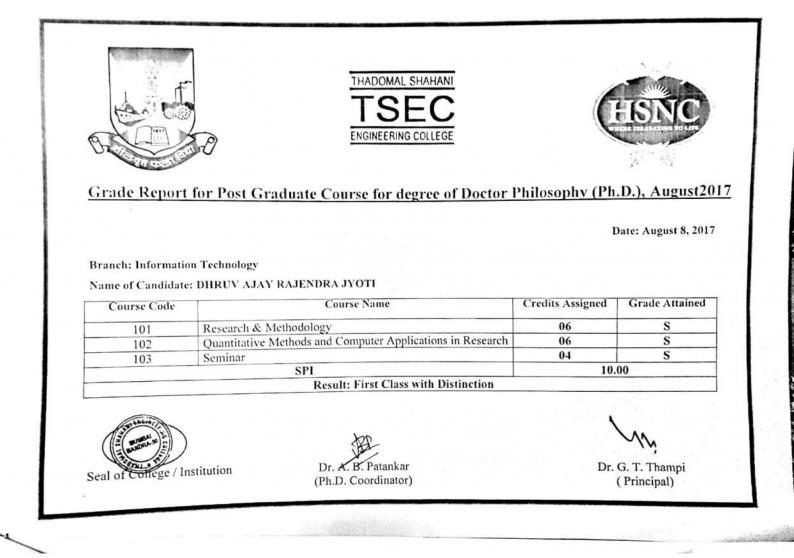
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विज्ञान व तंत्रज्ञान आचार्य

Doctor of Philosophy

(Faculty of Science and Technology)

This is to certify that Shri. Arun Shankar Chavan

having been found to be duly qualified on examination of the thesis on

Improved Classifier For Eeg Signal Based Diseases Diagnosis

was admitted to the degree of

Doctor of Philosophy in the subject Electronics & Telecomm. Engg. in the faculty of Science and Technology in this University in the year 2017.

honder

Tice - Chancellar

Amravali: 23.02.2018





AMITY UNIVERSITY

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PhD/Topic/Jan 16-02

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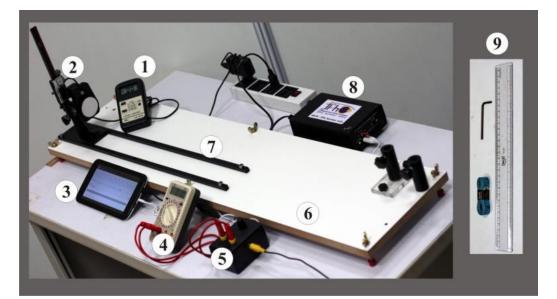
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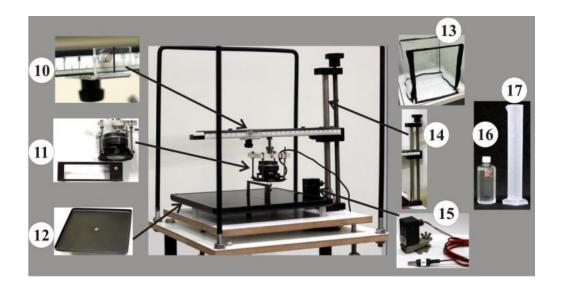
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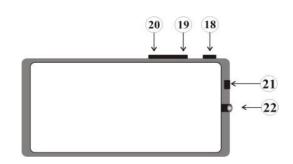
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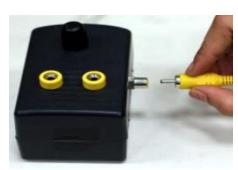


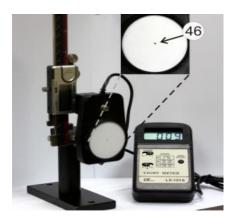
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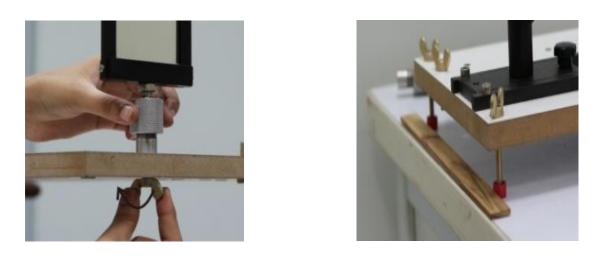


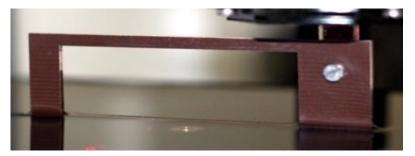




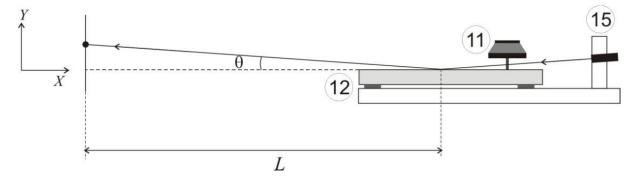








Objective 1: Determination of surface tension of the given water sample



From diffraction theory it can be shown that

$$k=\frac{2\pi}{\lambda_L}\sin\theta\sin\gamma$$

where, $k = \frac{2\pi}{\lambda_w}$ is the wave number of the surface tension waves,

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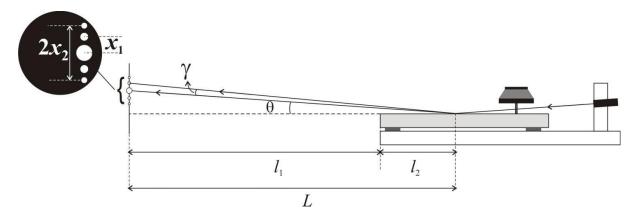
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where, ρ is the density of the water and q is an integer.

Objective 2: Determination of the attenuation constant δ and the viscosity of the liquid η



The surface tension waves are damped due to the viscosity of water. The wave amplitude, h, decreases exponentially with the distance, s, measured from the vibrator,

$$h = h_0 e^{-\delta s}$$

where, h_0 is the amplitude at the vibrator position and δ is the attenuation constant.

Experimentally, amplitude h_0 can be related to the voltage (Vrms) applied to the vibrator assembly as,

$$h_0 = (V_{rms})^{0.4}$$

The attenuation constant is related to the viscosity of the liquid as

$$\delta = \frac{8}{3} \frac{\pi \eta f}{\sigma}$$

where, η is the viscosity of the liquid.

lndian Institute of Technology Bombay

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Total Amount:	32700.00

Sunt in words: THIRTY TWO THOUSAND SEVEN HUNDRED Rupees

Amount Received by: CHEQUE

Cheque Number: 0000000896655

Cheque Date:	08-02-2018
IFSC Code:	SBIN0001109
Bank Name :	STATE BANK OF INDIA

Note: Cheque is subject to realization

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SOCIETY FOR APPLIED MICROWAVE ELECTRONICS ENGINEERING & RESEARCH Autonomous R&D Institute under Department of Electronics & Information Technology Ministry of Communication & Information Technology, Govt. of India	समीर SAMEER
<u>Certificate</u> Date	: 14 th SEPT, 2017
OF WIDEBAND HALF IMPULSE RADIATING ANTENNA.	<u>LING</u>
for the award of the degree of M.E. / M. Tech in ELECTRONICS	AND
TELECOMMUNICATION , for the period from 18th AUGUST, to 14th SEPTEMBER, 2017 is a bonafide record of the project u	
/her at SAMEER, Mumbai in ENI/EMC Divisi	on under
our supervision. Mos	hi
Signature of GuideSignature ofName:GYANENDRA VERMAName:MILIN	• un Seeda
Signature of Manpower coordinator	ERSeal Rec. A. Samer Setting
SAMEER, IIT Campus, Powai, Mumbai-400076	

भारत सरकार अन्तरीक्ष विभाग अन्तरिक्ष उपयोग केन्द्र आंबावाडी विस्तार डाक घर, अहमदाबाद-380 015. (भारत) दुरभाष : +91-79-26912000,26915000 फेक्स :

उप निदेशक / Dy. Director

ईपीएसए / EPSA



Government of India Department of Space

SPACE APPLICATIONS CENTRE

Ambawadi Vistar P. O. Ahmedabad-380 015. (India) Telephone : +91-79-26912000-26915000 Fax :

दूरभाष Phone:+91 79-26914024 फैक्स Fax: +91 79-26915862 ई-मेल E-mail: rksharma@sac.isro.gov.in ddepsa@sac.isro.gov.in

March 01, 2018

Ref: EPSA/3.1.1/2018

डॉ. राज कुमार / Dr. Raj Kumar

Dear Dr. Sanjay,

Sub: Approval of L&S band Airborne SAR Research Announcement project proposal

It gives me great pleasure to inform you that your project proposal under L&S band Airborne SAR RA has been approved by the evaluation committee. The details of the project and the budget allocation along with the amount to be released during 2017–18 are given below.

To are given below.					
Proj.	Title of the	Principal	Co-PI	Approved	Budget to
Code	Proposal	Investigator (PI)		budget (in	be released
				Lakhs)	during
					2017-18
					(in Lakhs)
Tec-	Development of	Sanjay Shitole,	Dr. Varsha	26.10	6.25
08	Machine Learning	Usha Mittal	Turkar		
	Tools for Speckle	Institute of	(Vidyalankar		
1	Reduction and	Technology,	Institute of		
	Urban	SNDT Women's	Technology,		
	Applications.	University,	Mumbai) and Dr.		
	(Duration: 3	Mumbai	Rinki Deo (TERI		
100 C	Years)		University)		

You are requested to re-confirm your acceptance to carry out this research project and send details of bank account of your institution for electronic transfer of project fund (if not sent earlier) to the Research Announcement (RA) office. You are also requested to submit in original, the duly signed 'Declaration Form' as given in the Appendix-4 in the RA document at the address given below:

> L&S band Airborne SAR Research Announcement Office 40-24, EPSA, Space Applications Centre Jodhpur-Tekta, Ahmedabad-380015 Email: nisar-ao@sac.isro.gov.in

We are looking forward to working with you.

Regards,

डॉ. राज कुसार (Dr. Raj Kumar)

To:

Dr. Sanjay S. Shitole HOD, Associate Professor in Information Technology, Usha Mittal Institute of Technology, SNDT Women's University, Juhu-Tara Road, Sir Vitthaldas Vidyavihar, Santacruz (W), Mumbai 400049

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

National Centre of the Government of India for Nuclear Science and Mathematics (Deemed University) HOMI BHABHA ROAD, MUMBAI-400 005

Dr. Sushil Mujumdar Ph:+91 (022) 2278 2459 mujumdar@tifr.res.in Office: P-109 Pelletron Building.

With this letter, I would like to certify that Dr. Arpit Rawankar, a former post doctorate student, has shown interest in carrying out research work in my laboratory in the Tata Institute of Fundamental Research, Mumbai. I am also interested in this initiative. Dr. Arpit Rawankar is working as visiting researcher in the Nano-optics & Mesoscopic Optics laboratory in TIFR, Mumbai on Saturdays and holidays, starting from July 2016 onwards.

Prof. Sushil Mujumdar. Associate Professor 'G' P-109, Pelletron, Ph : 2459,2195.

Mujundan.

भारत सरफार अन्तरीक्ष विभाग अन्तरिक्ष उपयोग केन्द्र आंधाबाडी विस्तार डाफ घर, अहमंदाबाद-380 015. (भारत) रुरभाष : +91-79-26912000,26915000



Government of India Department of Space SPACE APPLICATIONS CENTRE Ambawadi Vistar P. O. Ahmedabad-380 015. (India) Telephone : +91-79-26912000-26915000 Fax

दुरभाष Phone:+91 79-26914024 फैक्स Fax: +91 79-26915862 ई-मेल E-mail: rksharma@sac.isro.gov.in ddepsa@sac.isro.gov.in

Ref: EPSA/3.1.1/2018

डॉ. राज कुमार / Dr. Raj Kumar

March 01, 2018

Dear Dr. Sanjay,

उप निदेशक / Dy. Director

ईपीएसए / EPSA

Sub: Approval of L&S band Airborne SAR Research Announcement project proposal

It gives me great pleasure to inform you that your project proposal under L&S band Airborne SAR RA has been approved by the evaluation committee. The details of the project and the budget allocation along with the amount to be released during 2017-18 are given below

B. ten below.					
Proj.	Title of the	Principal	Co-PI	Approved	Budget to
Code	Proposal	Investigator (PI)		budget (in	be released
				Lakhs)	during
					2017-18
					(in Lakhs)
Tec-	Development of	Sanjay Shitole,	Dr. Varsha	26.10	6.25
08	Machine Learning	Usha Mittal	Turkar		
	Tools for Speckle	Institute of	(Vidyalankar		
	Reduction and	Technology,	Institute of		
	Urban	SNDT Women's	Technology,		
	Applications.	University,	Mumbai) and Dr.		
	(Duration: 3	Mumbai	Rinki Deo (TERI		
	Years)		University)	<u> </u>	

You are requested to re-confirm your acceptance to carry out this research project and send details of bank account of your institution for electronic transfer of project fund (if not sent earlier) to the Research Announcement (RA) office. You are also requested to submit in original, the duly signed 'Declaration Form' as given in the Appendix-4 in the RA document at the address given below:

L&S band Airborne SAR Research Announcement Office 40-24, EPSA, Space Applications Centre Jodhpur-Tekta, Ahmedabad-380015 Email: nisar-ao@sac.isro.gov.in

We are looking forward to working with you.

R (Dr. Raj Kumar)

डॉ. राज कसार

To:

Regards,

Dr. Sanjay S. Shitole HOD, Associate Professor in Information Technology, Usha Mittal Institute of Technology, SNDT Women's University, Juhu-Tara Road, Sir Vitthaldas Vidyavihar, Santacruz (W), Mumbai 400049

PERFORMANCE EVALUATION OF MULTI-HOP WIRELESS SENSOR NETWORK

Thesis Submitted to Swaml Ramanand Teerth Marathwada University Nanded- 431606 Maharashtra India

> For the award of Degree of DOCTOR OF PHILOSOPHY In Electronics Engineering

Under Faculty of Engineering and Technology

> By Shilpa Meenor Lambor

Under the Guidance of Dr. Sangeeta M. Joshi



Shri Guru Gobind Singhji Institute of Engineering and Technology Nanded - 431 606, Maharashtra, India January 2017

Scanned by CamScanner

PERFORMANCE EVALUATION OF

MULTI-HOP WIRELESS SENSOR NETWORK

Thesis Submitted to

Namanand Teerth Marathwada University Nanded- 431606 Maharashtra India

For the award of Degree of

DOCTOR OF PHILOSOPHY

In Electronics Engineering

Under Faculty of Engineering and Technology

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Under the Guidance of Dr. Sangeeta M. Joshi



Shri Guru Gobind Singhji Institute of Engineering and Technology Nanded 431 606 Maharashtra, India January 2017

Scanned by CamScanner

Wireless Sensor Networks (WSN) has significantly revolutionized the wireless technology, leading to its usage in many applications. WSNs demand design strategies to overcome constraints like limited energy resources and bandwidth. Hence the key challenging design issue for performance improvement is resolving the trade-off between performance metrics like power efficiency, throughput, network lifetime and latency. Studies reveal a flurry of research in developing energy efficient routing protocols. However, not much research has been initiated regarding cross layer design approaches. This research focuses on improving the performance of multi-hop WSN by using cross layer hops optimization techniques, by proposing a modified re-routing protocol and studying the impact of dead sensor nodes on network lifetime.

In the first phase of the research, number of hops in the route is deduced analytically for minimum power consumption using first order optimization under zero constraints. Further, hops optimization under constraints to minimize total power consumption at physical layer and maximize channel throughput at the network layer is carried out using convex optimization. In both the cases, the effect of number of hops on power consumption, network lifetime, throughput and latency is studied. In the existing routing techniques, re-routing is initiated primarily after the termination of an existing route which leads to increased data loss. In view of this, a modified Markov chain model representing the dynamic node replacement policy by re-linking is proposed in the second phase of research. The proposed policy is incorporated in Adhoc On Demand Distance Vector routing protocol (BM-AODV) as well as in LEACH clustering protocol (Enhanced-LEACH) and its performance is ensured through simulation results obtained in ns-2 and Matlab. Also, experimental validation of the re-linking policy is carried out for indoor and outdoor scenario using custom designed sensor nodes. Performance improvement in terms of energy consumption, packet delivery ratio, latency and network lifetime is observed. The impact of dead nodes on network lifetime for variable topology and node density is studied in the concluding phase by using Death Rate of the nodes as a performance metric.

The focus of this research is to evaluate the performance of a multi-hop WSN and provide power efficient solutions to further enhance its performance in terms of power consumption, throughput, latency and network lifetime.

[v]

Ph.D. Thesis titled

Performance Optimization of Menuistor : A Nano scale Resistive Switching Device

> SUBMITTED IN PARTIAL FULFILLMENT OF REQUIREMENTS OF THE DEGREE OF

DOCTOR OF PHILOSOPHY (ELECTRONICS ENGINEERING)

By

Kirti Agashe (Reg. No. EC-119061002)

Order the Supervision of Dr. Nisha Sarwade Dr. Sangeeta Joshi



May 2017

Department of Electrical Engineering VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE (Autonomous Institute Affiliated to University of Mumbai) Matunga, Mumbai - 490 019

Ph.D. Thesis titled

Performance Optimization of Memristor: A Nano scale Resistive Switching Device

Submitted in partial fulfillment of the requirements of the degree of

Doctor of Philosophy

(Electronics Engineering)

By

Kirti Agashe

(Reg. No. EC-119061002)

Under the Supervision of

Dr. Nisha Sarwade

Dr.Sangeeta Joshi



(May 2017)

Department of Electrical Engineering Veermata Jijabai Technological Institute (Autonomous Institute Affiliated to University of Mumbai) Mumbai – 400 019

The nano scale Memristor, as introduced by Prof. Leon Chua in 1971, is a paradigm shift in the fundamental electrical circuit elements as well as in the next generation Non Volatile Memory (NVM). In 2008, Hewlett Packard research team made an attempt to demonstrate the first physical Memristor device termed as Resistive Switching Random Access Memory (ReRAM) with Pt/TiO₂/TiO_{2-x}/Pt structure.

Recently, significant research and commercial interest is observed in Memristor, due to its versatile applications in computational and logic circuits, artificial intelligence and neuromorphic systems and in ReRAM, as non volatile memory, due to its simple construction, high packaging density, high operation speed, low operational voltages, CMOS compatibility and multibit storage ability that can replace the most popular Flash memory which is facing scaling down challenges beyond 22nm.

The major research issues are the optimization of device structures with variety of insulator / electrode materials and fabrication methodologies. Also the issues like post deposition annealing, unipolar switching, high forming voltages, stoichiometry control of insulators, endurance and variability need to be considered.

In the present research work, Metal-Insulator-Metal (MIM) and Metal-Insulator-Semiconductor (MIS) structures with different insulators / electrode materials are fabricated. Transition Metal Oxides such as Titanium oxide (TiOx) and Zirconium Oxide (ZrO₂)] and Rare Earth Oxides such as Neodymium oxide (Nd₂O₃) and Europium oxide (Eu₂O₃) are used as an insulating material whereas, Platinum, Aluminum and Silver are used as Electrode material. Optimization of process parameters like thin film growth temperature and Oxygen flow rate was carried out for MIS structures, using the advanced technique of Plasma Enhanced Atomic Layer Deposition (PEALD). In this research work, MIS ReRAM devices without the post deposition annealing have exhibited features such as low operational voltages, pronounced bipolar switching, satisfactory R_{OFF}/R_{ON} ratio, less power consumption, multi bit storage feature and compatibility with CMOS technology.

In years to come, as a next generation non volatile memory, ReRAM will be a part of radiation hardened space electronics applications. Present research work is therefore extended to explore the performance of the fabricated ReRAM devices after exposure to ⁶⁰Co gamma irradiation. An interesting and a significant correlation between structural changes in the material, surface morphology, weight percentage of anatase and rutile phase and its impact on bipolar resistive switching of the devices is observed after irradiating structures of Al/TiO₂/n⁺Si with ⁶⁰Co gamma radiation. This investigation will provide the necessary theoretical assistance for the use of such devices in radiation hardened space electronics in near future. This research work is funded by the Indian Nanoelectronics User Program (INUP) and The Inter-University Accelerator Centre (IUAC), New Delhi.

Quality of Service in Routing

Swami Ramanand Teerth Marathwada University, Nanded-431606 Maharashtra India

For award the destan of Doctor of Philosophy Electronics Engineering under Paculty of Engineering and Technolody

Sangila Vishwas Kuruudkar

Under the Guidance of

Guide

Dr. Sangeeta M. Joshi Dr. Laxman M. Waghmare CC-Gulda



She'l Case Gobind Singhji Institute of Engineering and Technology, Vishmpari, Nanded-431606 (M.S.) INDIA.

June 2016

Quality of Service in Routing

Thesis Submitted to Swami Ramanand Teerth Marathwada University, Nanded.

For awarding the degree

In

Electronics Engineering

In

Faculty of Engineering and Technology

By

Sangita Vishwas Kurundkar

Under Guidance of

Dr. Sangeeta M. Joshi Guide Dr. Laxman M. Waghmare Co-Guide



Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded, Maharashtra (India)

June 2016

Certificate

This is to certify that, the thesis entitled 'QUALITY OF SERVICE IN ROUTING', is a bonafide record of the research work carried out by Sangita V. Kurundkar under our supervision and guidance at Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded. This work is being submitted to Swami Bamanand Teerth Marathwada University, Nanded for the award of degree of Doctor of Philosophy in Electronics Engineering. The results contained in this thesis are original and have not been submitted to this or any other university for the award of any degree, diploma, associate-ship or any other similar title.

Samo Dr. S. M. Joshi

Guide Professor and Technical advisor Dept. of Electronics Engg. Mumbai

Hil mail

Dr. L. M. Waghmare Co-guide Director SGGSIE & T. Nanded

Date: 17/06/2016 Place: Nanded.

Forwarded by

came

Dr. S. T. Hamde

Dean (R & D)

Director

Dr. L.M. Waghmare

Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded - 431606, Maharashtra, India.

Wireless communication has become an integral part of our day to day life and with the advent of the technology of Internet of Thing (IOT), the infrastructure-less wireless communication became significant in many applications. In such cases, the networks formations are usually ad-hoc in nature.

In a typical ad hoc network, routing protocol plays an important role. Quality of Service (QoS) can be defined as the ability of routing protocol to assign priorities to applications, users, data flow or to assign certain level of performance to a network. In view of the significance of QoS in improving the routing protocol and literature survey, it is decided to take up issues and concerns related to Quality of Service in Routing as a research work.

The primary aim of this research work is to develop a routing protocol for Mobile Ad hoc Networks with due considerations to QoS parameters like energy, end to end delay, packet delivery ratio, jitter, retransmissions, link break and throughput. Unique feature of this work is to study the multiple performance metrics viz. Energy, Delay and PDR simultaneously along with cross-layer approach as against the existing research, wherein, only one performance parameter is studied at a time i.e. without studying the effect of interdependence of performance parameters.

As a first step, towards the development of this protocol, rigorous study of basic AODV protocol for optimization of scenario metric parameters like density, node mobility, Speed, packet size, radio propagation characteristics, and topology is carried out. As a pre-requisite, Path loss exponent (n) is calculated by the empirical method.

In the second step, improved AODV (I-AODV) protocol is developed to overcome the limitations of basic AODV protocol. Significant improvement in Energy efficiency and reduction in delay is achieved in I-AODV protocol. Further, Transmission Control Protocol (TCP) and User Datagram Protocol (UDP) are implemented using I-AODV protocol. UDP protocol gives the better performance for the specified scenario.

As a final step, I-AODV protocol is further modified to ID-AODV protocol, using directionality and dual sensing directional MAC protocol (DSDMAC) to obtain improvement in Packet Delivery Ratio (PDR). ID-AODV protocol shows significant improvement in the network performance. Further, its robustness is also verified satisfactorily by full factorial Design of Experiment (DOE) by which significant parameters and their interaction is quantified. Total of 960 experiments are formulated and conducted. This greatly facilitates the designer to generalize the model and estimate the performance of the network.

PERFORMANCE EVALUATION OF MULTI-HOP WIRELESS SENSOR NETWORK

Thesis Submitted to

Swami Ramanand Teerth Marathwada University Nanded: 431606 Maharashtra India

For the award of Degree of

DOCTOR OF FHILOSOPHY

In Electronics Engineering

Under Faculty of Engineering and Technology

114

Shilpa Meenor Lambor

Under the Guidance of Dr. Sangeeta M. Joshi



Shri Guru Gobind Singhji Institute of Engineering and Technology Nanded 431 606 Maharashtra, India January 2017

CERTIFICATE

This is to certify that the thesis entitled **Performance Evaluation of Multihop Wireless Sensor Network**, Submitted by **Shilpa Meenor Lambor** to **Swami Ramanand Teerth Marathawada University**, Nanded for the award of the degree of **Doctor of Philosophy in Electronics Engineering** is a record of the bonafide research work carried out by her under my supervision and guidance at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded during the period from March 2008 to December 2016. The results contained in this thesis are original and have not been submitted to any other university or other institute for the award of the degree, diploma or any other similar title.

Dr. Sangeeta M. Joshi Guide

Date: 121112017 Place: Manded

Forwarded by:

Dr. A. B. Gonde Head of the Department Electronics and Telecommunication Engineering, SGGSIE&T, Nanded

Dr. M. B. Kokare Dean R & D SGGS Institute of Engineering & Technology, Nanded

mail

Dr. Laxman M. Waghmare Director SGGS Institute of Engineering & Technology, Nanded

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The focus of this research is to evaluate the performance of a multi-hop WSN and provide power efficient solutions to further enhance its performance in terms of power consumption, throughput, latency and network lifetime.

[v]

CERTIFICATE

This is to certify that Kirti Satish Agashe (Roll No: 119061002), Ph.D. student in Electronics Engineering has submitted a thesis titled "Performance Optimization of Memrister: A Nano scale Resistive Switching Device" and submitted a report on the same to our satisfaction.

MisleSanwach

Dr. Nisha.P.Sarwade Supervisor

Dr. Rohin.D. Daruwala Head: Electrical Engineering Department

Sertos

Dr. Sangeeta M. Joshi Co-Supervisor

DRPMel 2.4.2018

Prof. Dhiren R. Patel Director, VJTI, Mumbai

Place: Veermata Jijabai Technological Institute, Mumbai.

Date:04/04/2018

CERTIFICATE

This is to certify that the thesis entitled Performance Evaluation of Multihop Wireless Sensor Network, Submitted by Shilpa Meenor Lambor to Swami Ramanand Teerth Marathawada University, Nanded for the award of the degree of Doctor of Philosophy in Electronics Engineering is a record of the bonafide research work carried out by her under my supervision and guidance at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded during the period from March 2008 to December 2016. The results contained in this thesis are original and have not been submitted to any other university or other institute for the award of the degree, diploma or any other similar title.

Dr. Sangeeta M. Joshi

Dr. Sangeetă M. Joshi Guide

Date: 121112017 Place: Manded

Forwarded by:

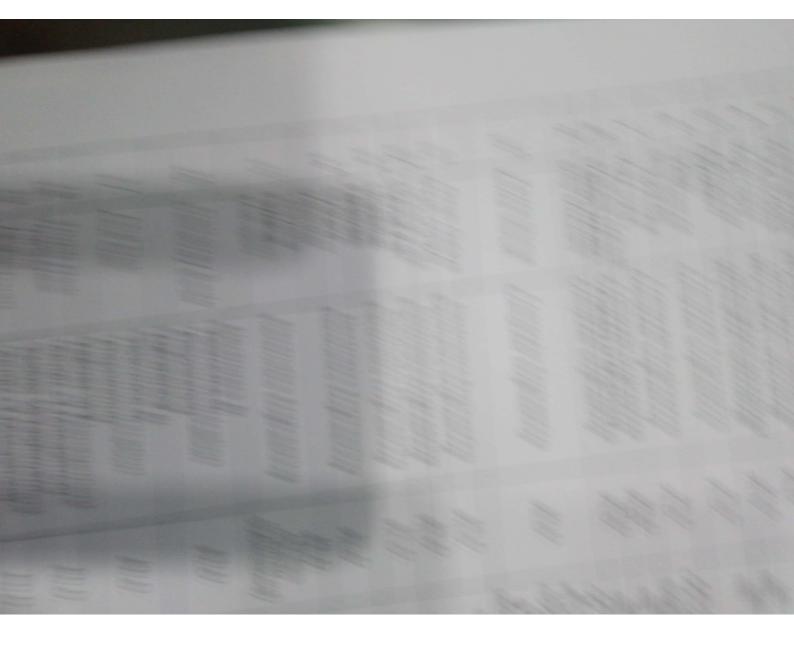
Dr. A. B. Gonde

Dr. A. B. Gonde Head of the Department Electronics and Telecommunication Engineering, SGGSIE&T, Nanded

Dr. M. B. Kokare Dean R & D SGGS Institute of Engineering & Technology, Nanded

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Dr. Laxman M. Waghmare Director SGGS Institute of Engineering & Technology, Nanded



VIT T	Vidyalarikar Institute of Technology www.stration	Details of Faculty Pursuing Higher Studies	ulty Pur	suing H	tigher S	Studies
Pl. find the pursue hig	Pl. find the details of faci pursue higher studies:-	Pl. find the details of facility given by the Institute in last two years for the department faculty to pursue higher studies:-	ast two years	for the depi	artment facu	ilty to
Sr. h	Name of The Faculty	Department of Faculty	Higher	Facility g 2016-17	Facility given for Higher Study 2016-17 2017-18 2018-19*	gher Study 2018-19*
-	Sachin Bojewar	Information Technology	Ph.D.	NIL	NIL	
2. D	Deepali Vora	Information Technology	Ph.D.	2 Days a Week	2 Days a Week	
3. V.	Varsha Bhosale	Information Technology	Ph.D.	NIL	NIL	
4. V	Vidya Chitre	Information Technology	Ph.D.	NIL	2 Days a Week	
5. A	Ajay Dhruv	Information Technology	Ph.D.	NIL	NIL	
6. S	Sachin Deshpande	Computer Engineering	Ph.D.	NIL	NIL	
7. V	Vipul Dalal	Computer Engineering	Ph.D.	OD for	OD for	
8. N	Mandar Sohani	Computer Engineering	Ph.D.	NIL	NIL	
	Dilip Motwani	Computer Engineering	Ph.D.	NIL	NIL	
				OD on	2 Days a	
10. Ka	Kavita Shirsat	Computer Engineering	Ph.D.	all Days reportin g for	Week	
	irich Gidava	Electronice Engineering	Ph D	NIL	00 for	
	GIRISN GIOAYE	Electronics Engineering			Exam +	2 days
12. St	Sheetal Patil	Electronics Engineering	Ph.D.	NIA	NITI	4
	Shraddha Panbude Shrikant	Electronics Engineering	Ph.D.	NIL	NIL NIL	
14. St	Shrikant Velankar	Electronics Engineering	Ph.D	INIL	NIL	
15. Na	Nayana Mahajan	Electronics Engineering	Ph.D. (Thesis Submitted)	NIL	NIL	
16. Da	Dattatray Bade	Electronics & Telecommunication Engineering	Ph.D.	2 Days a Week	2 Days a Week	
17. At	Atul Oak	Electronics & Telecommunication	Ph.D.	2 Days a Week	2 Days a Week	
18. Tru	Trupti Naik	Master of Management Studies Management	Ph.D.	NIL	NIL	
19. Va Ma	Varsha Maheshwari	Master of Management Studies Management	Ph.D.	NIL	NIL	
20. Srr	Smita Mukhariee	Master of Management Studies Management	Ph.D	2 Days a Week	2 Days a Week	

Ph.D. Thesis titled

Modeling and Simulation of Vertical Nanowire Devices and Circuits

Submitted in partial fulfillment of the requirements of the degree of

Doctor of Philosophy (Electronics Engineering) By Subha Subramaniam (Reg. No.EC-119061006)

Under the Supervision of

Dr. R.N.Awale

Dr. SangeetaM.Joshi



(July 2018) Department of Electrical Engineering Veermata Jijabai Technological Institute (Autonomous Institute Affiliated to University of Mumbai) Mumbai – 400 019

Declaration of the Student

We declare that this written submission represents our ideas in our own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources.

We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea / data / fact / source in my submission.

We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Mrs. Subha Subramaniam Roll no. EC-119061006 Dr. R. N. Awale (Supervisor)

Place: Veermata Jijabai Technological Institute, Mumbai.

Date: / / 2018

CERTIFICATE

This is to certify that Subha Subramaniam, (Roll No-119061006), Ph.D. student in Electronics Engineering has submitted a thesis titled **"Modeling and Simulation of Vertical Nanowire Devices and Circuits"** and submitted a report on the same to our satisfaction.

Dr. R.N.Awale Supervisor Dr. SangeetaM.Joshi Co-Supervisor

Dr. Rohin D.Daruwalla *Head: Electrical Engg. Department* Dr. O.G. Kakde Director, VJTI, Mumbai

Place: Veermata Jijabai Technological Institute, Mumbai.

Date: / / 2018

APPROVAL

The thesis titled **"Modeling and Simulation of Vertical Nanowire Devices and Circuits"** submitted by Subha Subramaniam, (Roll No- 119061006) is found to be satisfactory and approved as a partial fulfillment of the requirements for the Degree of Doctor of Philosophy in Electronics Engineering.

Dr. R.N.Awale
Supervisor

Dr. Sangeeta. M. Joshi Co-Supervisor

Examiner

Chairman

Date: / / 2018 Mumbai Place: VJTI,

Various Multi-gate transistor structures with integration of high- κ gateand compound III-V channel materials have emerged as a new technology to replace the conventional planar MOSFET below sub 22nm regime to effectively reduce the short channel effects. Gate all around structures in which gate is completely wrapped around the channel either in circular or rectangular fashion became popular due to tight electrostatic control of gate over the channel.

In this work, Vertical and Horizontal Nanowire Transistor (VNWT and HNWT) structures are designed and optimized by simulating with 3DVISUAL TCAD circuit simulator at 14nm gate length. N type and P type VNWT structures are integrated with compound III-V channel materials (In_{0.53}Ga_{0.47}As) and (Si_{0.75}Ge_{0.25}), for N and P-type structures respectively, for higher drive current. Then this structure is integrated with Al₂O₃+LaAlO₃+WNHigh- κ Metal Gate stack (H κ MG) for lower leakage current. The proposed structures are optimized for composition of channel material, Nanowire diameter, source/drain extension length for maximizing the performance in $\frac{I_{on}}{I_{off}}$ ratio and reduction in short channel effects. DC and AC analysis of In_{0.53}Ga_{0.47}As VNWT is carried out to confirm device performance.

As the proposed structures shows satisfactory performance, these devices are used to verify the functionality of the circuits like CMOS inverter and three stage CMOS ring oscillator. In both, VNWT shows better performance as regards to noise margin and maximum oscillation frequency compared to HNWT.

Further, a Double-Gate InGaAs VNWT structure comprising of inner gate and one outer gate along with is proposed for threshold voltage tuning purpose. An analytical model is also proposed to study the impact of variation in inner gate voltage on the threshold voltage. Simulated results are in tune with the model results. A 3x1 cross bar memory array structure is simulated using DG-VNWT and HNWT devices separately. DG-VNWT shows low power dissipation in comparison with HNWT memory array.

The proposed VNWT and DG-VNWT,III-V integrated vertical structures with $H\kappa MG$ stack have better device performance, scalability and circuit functionality. Therefore, we have a strong belief that these devices will be feasible to fabricate and hence can be commercially exploited to sustain in Nano-electronics.

Ph (02462) 229242,43 Fax 229574

Swami Ramanand Teerth Marathwada University Nanded - 431 606 (Maharashtra)



फोन (०२४६२) २२९२४२,४३,फॅक्स २२९५७४ स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ नांदेड – ४३१६०६ (महाराष्ट्र) (A UGC 2(f), 12(B) recognized & NAAC Re-accredited (CGPA 2.11) State University)

Ref: PG/allocation/2012-2013/

Date:26/12/2012

Certificate of Allocation

This is to certify that Meeting of Research Allocation Committee for PET-2012 in the Subject Electronics of Telecommunication Engineering of Technology Inter the faculty of ---

In the Said meeting Mr/Ms Khagare Mahesh G-has been allocatyers to Supervisor, Dr. -- Sangita Joshi ----)n to complete his /her Ph.D.work

Dean of the Faculty and Chairman, RAC

Copy to.

- Supervisor, with request to accommodate and supervise the aforesaid V. Research Scholar.
 - Director, BCUD for record. 2. 3.
- Research Centre for information and necessary action. 4.
- Research scholar, with instructions to contact the Supervisor for preparing the Synopsis Synopsis is to be submitted to P.G. Section of the university within two weeks, which will be placed before Research & RecognitionCommittee for it consideration. The Research scholar has to appear before the RRC at the time of it's meeting.

Ph.D. Thesis titled

Modeling and Simulation of Vertical Nanowire Devices and Circuits

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Place: Veermata Jijabai Technological Institute, Mumbai.

Date: / / 2018

CERTIFICATE

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Dr. Rohin D.Daruwalla *Head: Electrical Engg. Department* Dr. O.G. Kakde Director, VJTI, Mumbai

Place: Veermata Jijabai Technological Institute, Mumbai.

Date: / / 2018

APPROVAL

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Examiner

Chairman

Date: / / 2018 Mumbai Place: VJTI,

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In this work, Vertical and Horizontal Nanowire Transistor (VNWT and HNWT) structures are designed and optimized by simulating with 3DVISUAL TCAD circuit simulator at 14nm gate length. N type and P type VNWT structures are integrated with compound III-V channel materials (In_{0.53}Ga_{0.47}As) and (Si_{0.75}Ge_{0.25}), for N and P-type structures respectively, for higher drive current. Then this structure is integrated with Al₂O₃+LaAlO₃+WNHigh- κ Metal Gate stack (H κ MG) for lower leakage current. The proposed structures are optimized for composition of channel material, Nanowire diameter, source/drain extension length for maximizing the performance in $\frac{I_{on}}{I_{off}}$ ratio and reduction in short channel effects. DC and AC analysis of In_{0.53}Ga_{0.47}As VNWT is carried out to confirm device performance.

As the proposed structures shows satisfactory performance, these devices are used to verify the functionality of the circuits like CMOS inverter and three stage CMOS ring oscillator. In both, VNWT shows better performance as regards to noise margin and maximum oscillation frequency compared to HNWT.

Further, a Double-Gate InGaAs VNWT structure comprising of inner gate and one outer gate along with is proposed for threshold voltage tuning purpose. An analytical model is also proposed to study the impact of variation in inner gate voltage on the threshold voltage. Simulated results are in tune with the model results. A 3x1 cross bar memory array structure is simulated using DG-VNWT and HNWT devices separately. DG-VNWT shows low power dissipation in comparison with HNWT memory array.

The proposed VNWT and DG-VNWT,III-V integrated vertical structures with $H\kappa MG$ stack have better device performance, scalability and circuit functionality. Therefore, we have a strong belief that these devices will be feasible to fabricate and hence can be commercially exploited to sustain in Nano-electronics.

भारत सरकार अन्तरीक्ष विभाग अन्तरिक्ष उपयोग केन्द्र आंबावाडी विस्तार डाक घर, अहमदाबाद-380 015. (भारत) दुरभाष : +91-79-26912000,26915000 फेक्स :

उप निदेशक / Dy. Director

ईपीएसए / EPSA



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March 01, 2018

Ref: EPSA/3.1.1/2018

डॉ. राज कुमार / Dr. Raj Kumar

Dear Dr. Sanjay,

Sub: Approval of L&S band Airborne SAR Research Announcement project proposal

It gives me great pleasure to inform you that your project proposal under L&S band Airborne SAR RA has been approved by the evaluation committee. The details of the project and the budget allocation along with the amount to be released during 2017–18 are given below.

io aic a	given below.				
Proj.	Title of the	Principal	Co-PI	Approved	Budget to
Code	Proposal	Investigator (PI)		budget (in	be released
				Lakhs)	during
					2017-18
					(in Lakhs)
Tec-	Development of	Sanjay Shitole,	Dr. Varsha	26.10	6.25
08	Machine Learning	Usha Mittal	Turkar		
	Tools for Speckle	Institute of	(Vidyalankar		
1	Reduction and	Technology,	Institute of		
	Urban	SNDT Women's	Technology,		
	Applications.	University,	Mumbai) and Dr.		
	(Duration: 3	Mumbai	Rinki Deo (TERI		
100 C	Years)		University)		

You are requested to re-confirm your acceptance to carry out this research project and send details of bank account of your institution for electronic transfer of project fund (if not sent earlier) to the Research Announcement (RA) office. You are also requested to submit in original, the duly signed 'Declaration Form' as given in the Appendix-4 in the RA document at the address given below:

> L&S band Airborne SAR Research Announcement Office 40-24, EPSA, Space Applications Centre Jodhpur-Tekta, Ahmedabad-380015 Email: nisar-ao@sac.isro.gov.in

We are looking forward to working with you.

Regards,

डॉ. राज कुसार (Dr. Raj Kumar)

To:

Dr. Sanjay S. Shitole HOD, Associate Professor in Information Technology, Usha Mittal Institute of Technology, SNDT Women's University, Juhu-Tara Road, Sir Vitthaldas Vidyavihar, Santacruz (W), Mumbai 400049



College of Business & Innovation Giaduate Piogiams Office

Mail Stop 103 2801 W Bancioft St Toledo, OH 43606-3390 Phone 419 530 5680 Fax 419 530 8498 COBIG1adPiogiams@utoledo edu

TO: Vidyalankar Institute of Technology, Vidyalankar Educational Complex Vidyalankar College Marg, Wadala Mumbai 400037

FROM: Darlene Evans, Assistant Director, College of Business and Innovation, Graduate Programs Office

SUBJECT: UT-VSIT 1 + 1 MBA - Cohorts 1 – 3 Participants

Dear Sir/Madam:

As per the agreement between Vidyalankar Institute of Technology and University of Toledo College of business and Innovation, the following students have been admitted to the University of Toledo Professional MBA program.

Sr.No.	Student ID #	Name of the Student	Year of Transfer	Status
1	R01404892	Mihir Labade	Fall 2016	Graduate Spring 2018
2	R01406040	Shubhra Sewlikar	Fall 2016	Graduate Spring 2018
3	R01403179	Vrudhi Chandan	Fall 2016	Graduate Spring 2018
4	R01404891	Bharadwaj Dhume	Fall 2016	Graduate Spring 2018
5	R01400171	Aishwarya Kangutkar	Spring 2017	Graduate Spring 2018
6	R01405133	Sanketh Shetty	Fall 2016	Graduate Fall 2017
7	R01406039	Sayli Mhatre	Fall 2016	Graduate Spring 2018
8	R00949268	Prachi Loke	Fall 2016	Graduate Fall 2017
9	R01404890	Sandeep Bairam	Fall 2016	Graduate Fall 2017
10	R01403185	Balram Yadav	Fall 2016	Graduate Spring 2018
11	R01430893	Nikita Munj	Fall 2017	Graduate in Fall 2018
12	R01452826	Ecchita Sonawane	Fall 2018	Application in Process
13	R01452825	Akshay Roge	Fall 2018	Application in Process
14	R01451647	Sarvesh Tambe	Fall 2018	Application in Process
15	R01451648	Pallavi Yedve	Fall 2018	Application in Process
16	R01453949	Yash Dugar	Fall 2018	Application in Process

Cordially,

Darlen Evans

Darlene Evans Assistant Director of Graduate Programs Darlene.Evans@utoledo.edu