

VIRTUAL INTERNSHIP VIDEO MODULES

HANDBOOK

Volume - I

Compiled by

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under the guidance of

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Directorate of Technical Education

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PREFACE

Virtual internships are designed primarily to help students to better understand the diverse and exciting career pathways available to them, build their skills and confidence when they move from the world of study to the world of work.

Virtual internship is an internship where a student can learn about the industry from anywhere and this helps the students to gain industrial experience without spending hours together in an industry.

Virtual internship would be easier to undergo along internship with their studies at college. In virtual internships student can work at nights or even on holidays from their residence.

Directorate of Technical Education is striving hard to implement the virtual internship programme for the benefit of students falling under the TEQIP-III institutions. Various industries are identified and their video modules are compiled to provide the best to the student community. For the benefit of the students, faculty from all TEQIP institutions are engaged in various stages of internship video module preparations like covering different parts of the organisation, introductory talks, 360⁰ view of complete industrial processes and industry walks respectively for the betterment of understanding.

On completion of this internships, the experience gained by the student will be invaluable.




We would like to thank MSME, SIDCO and various other industries in Tamil Nadu for offering their support in creating and compiling the virtual internship video modules for the benefit of Engineering student community.




Commissioner of Technical Education

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GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE

S.No	Name of the Industry	Product/Domain	Video Link	QR Code
1.	Cellzyme Biotech	Methods of creating recombinant molecules, Restriction and modifying enzymes	https://drive.google.com/file/d/1XrgH2zhAEm83CYMgnjcGAS9sPlbppn3B/view?usp=sharing	
		Characteristics of plasmid		
		DNA amplification		
		Applications of recombinant technology in Agriculture, Pharmaceutical industry and Medicine;		
2.	KG Denim	Textile Industrial Processes and waste management	https://drive.google.com/file/d/12BNUXRopUf4iJNNjqDaEQApAtcpuM-h9/view?usp=sharing	
		Rubber Industrial Process and Waste management	https://drive.google.com/file/d/1Yz76LiQHZRUXz0PQ6sIcTKzX4Unw7rRF/view?usp=sharing	



3	Prema Engineering Works	Metal Castings - Exhaust Manifold	https://drive.google.com/file/d/1JDASbIAsgkgtCLN_9v0IjW2QGkVuan04/view?usp=drivesdk	
4	Mega Cranes India Pvt Ltd	Single Girder Cranes	https://drive.google.com/file/d/1mAwDGrrZf7rBPYzOH7O4HGHI8sFzt7/view?usp=drivesdk	
5	Department of Mechanical Engineering	Gear Hobbing Experiment	https://drive.google.com/file/d/1Nq3uQSIQeHiYUWz6aFpwDtfjWQT6w7FD/view?usp=sharing	

GOVERNMENT COLLEGE OF ENGINEERING, SALEM



S. No	Name of the Industry	Product/ Domain	Video Link	QR Code
1	Perfect Nails and Rivets, SIDCO Karuppur Salem	Nails,Rivets and Hooks	https://www.youtube.com/watch?v=gIVMZJu4LNQ&list=PLy3nfyfK6Yw6-yt-MO0At0ahfdIxT8YLp&index=2	
2	Salem Material Technology and Company, SIDCO, Karuppur Salem	Heat treatment for materials	https://www.youtube.com/watch?v=amqQW3fwuWY&list=PLy3nfyfK6Yw6-yt-MO0At0ahfdIxT8YLp&index=3	
3	ESSVEE Wires, SIDCO, Karuppur, Salem	Copper Wires	https://www.youtube.com/watch?v=dwKDCNDbhrg&list=PLy3nfyfK6Yw6-yt-MO0At0ahfdIxT8YLp&index=8	

4	Sriwin Electric, SIDCO, Karuppur, Salem (Module 1)	MV Vacuum circuit breakers, Load break switches, Vacuum contactors	https://www.youtube.com/watch?v=eMAcyiqkvdc&list=PLy3nfyfK6Yw6-yt-MO0At0ahfdIxT8YLp&index=4	
5	Sriwin Electric, SIDCO Karuppur Salem (Module 2)	Porcelain clad Vacuum circuit Breakers, Reclosers and switchgears	https://www.youtube.com/watch?v=FP4Z2rOzuHE&list=PLy3nfyfK6Yw6-yt-MO0At0ahfdIxT8YLp&index=5	
6	The Salem Aeropark, Salem (Module 1)	Precision machining and manufacturing of Rubber Components, Composites, Electro Mechanical LRU's, Missiles sub-assemblies, etc	https://www.youtube.com/watch?v=AY3yRGikIzs&list=PLy3nfyfK6Yw6-ytMO0At0ahfdIxT8YLp&index=7	
7	The Salem Aeropark, Salem (Module 2)	Precision machining and manufacturing of Rubber Components, Composites, Electro Mechanical LRU's, Missiles sub-assemblies, etc	https://www.youtube.com/watch?v=w-vB-YqQaPo&list=PLy3nfyfK6Yw6-yt-MO0At0ahfdIxT8YLp&index=6	



GOVERNMENT COLLEGE OF ENGINEERING, BARGUR

S.No	Name of the Industry	Product/Domain	Video Link	QR Code
1	Saravana Corrugated Box, Manufacturing Unit, Villupuram	Corrugated Box for food packing	https://bit.ly/2EMX6g4	
2	Thulasi Enterprises, Thirukoilur, Kallakurichi.	Areca Plate Manufacturing -Food industry	https://bit.ly/3fwtgJi	


**ALAGAPPA CHETTIAR GOVERNMENT COLLEGE OF
ENGINEERING AND TECHNOLOGY, KARAİKUDI**

S. No	Name of the Industry/Institute	Product/ Domain	Video Link	QR Code
1.	ACGCET, Karaikudi (Mechanical Engineering Department Laboratory)	Boiler	https://drive.google.com/file/d/1cg0nqLSvHR82c970Kp608isCHnYUhal3/view?usp=sharing	
2.	Leadup Technologies, Sellandipalayam, Karur.	Website development	https://drive.google.com/file/d/1e2Z6u4Ymsht78mB_i8aYgJY1VbuTN62l/view?usp=sharing	
	Dheeran Soft Drink Factory, Karur.	Soft Drink factory		
	Cerebraina Technologies, Karur.	Graphic Design		
	Jeyam Pressings , Chinnandankoil Karur.	Curtain making		

PSG COLLEGE OF TECHNOLOGY, COIMBATORE

S. No	Name of the Industry	Product/ Domain	Video Link	QR Code
1.	PSG & SONS' Charities Metallurgy and Foundry Division Neelambur, Coimbatore - 641062	Casting – Module I Pattern Shop	https://drive.google.com/drive/folders/11WSgfWb9y98K9TRcvVgpitVQi2n6zy-9?usp=sharing	
2.	PSG & SONS' Charities Metallurgy and Foundry Division Neelambur, Coimbatore - 641062	Casting – Module II Sand Plant, Core Making and Moulding	https://drive.google.com/drive/folders/19SVDAtuT-nzaxCj9n7MmTPnPoh-PsVNv	

COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE

S. No	Name of the Industry	Product/Domain	Video Link	QR Code
1	M/s. Microform Automation S.F. No. 546/1 Saravanampatty Road Vellakinaru post Coimbatore - 641029	1.HMC Machining Part 2.Finishing Machinery Part 3.CNC Mechanical Part 4.Heavy Machinery Part 5.Hose Mast Assembly 6.Flow Control Body 7.CNC Spare Part	https://drive.google.com/file/d/1CEGzROwq4WFgEBx-U8-pPR9WGmwO4nPB/view?usp=sharing	

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