



ANJUMAN KHAIRUL ISLAM'S  
**POONA COLLEGE**  
OF ARTS, SCIENCE & COMMERCE  
CAMP, PUNE-411001



Google Classroom

**ICT ENABLED  
TOOLS FOR  
EFFECTIVE TEACHING  
LEARNING PROCESS**



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- Government of Maharashtra and Savitribai Phule Pune University Recognized Minority College

K. B. Hidayatullah Road, Camp,  
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**Professor Dr. Aftab Anwar Shaikh**  
M.Com, Ph.D (Busi. Admin.)  
PRINCIPAL

+91 98226 21579  
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## Department of BBA (CA) (2022-23)

### Google Classroom Links

Sr no	Name of the Teacher	Class	Google Class Code	Google Classroom link
1	Dr. Shabana Shaikh	FYBBA (CA)	mafqewt	<a href="https://classroom.google.com/c/MzQzMjIyNT E3MzM1?cjc=mafqewt">https://classroom.google.com/c/MzQzMjIyNT E3MzM1?cjc=mafqewt</a>
		TYBBA (CA)	xtaj7wu	<a href="https://classroom.google.com/c/MzQ3MTA0 Njc0MDk1?cjc=xtaj7wu">https://classroom.google.com/c/MzQ3MTA0 Njc0MDk1?cjc=xtaj7wu</a>
		FYBBA (CA)	wjy4wsg	<a href="https://classroom.google.com/c/NDIxNTg2N DkxOTQ4?cjc=wjy4wsg">https://classroom.google.com/c/NDIxNTg2N DkxOTQ4?cjc=wjy4wsg</a>
		SYBBA (CA)	m37yczt	<a href="https://classroom.google.com/c/NDE4OTc4M DA2OTg2?cjc=m37yczt">https://classroom.google.com/c/NDE4OTc4M DA2OTg2?cjc=m37yczt</a>
		TYBBA (CA)	msjl7gd	<a href="https://classroom.google.com/c/NDI2NjI3OT A0MDUy?cjc=msjl7gd">https://classroom.google.com/c/NDI2NjI3OT A0MDUy?cjc=msjl7gd</a>
2	Mr. Faheemuddin Ahmed	SYBBA (CA)	2vqfnpt	<a href="https://classroom.google.com/c/NDI2MzYxN zQ2NDc1?cjc=2vqfnpt">https://classroom.google.com/c/NDI2MzYxN zQ2NDc1?cjc=2vqfnpt</a>
		TYBBA (CA)	x7154e2	<a href="https://classroom.google.com/c/NDIwMTg5N zk3NTE2?cjc=x7154e2">https://classroom.google.com/c/NDIwMTg5N zk3NTE2?cjc=x7154e2</a>
		TYBBA (CA)	s62g3x7	<a href="https://classroom.google.com/c/NDQxNjY0O TU2NTk3?cjc=s62g3x7">https://classroom.google.com/c/NDQxNjY0O TU2NTk3?cjc=s62g3x7</a>
		TYBBA (CA)	r63mwgf	<a href="https://classroom.google.com/c/NTAwODUy NzE1Mjgw?cjc=r63mwgf">https://classroom.google.com/c/NTAwODUy NzE1Mjgw?cjc=r63mwgf</a>
3	Imran Baig Mirza	FYBBA (CA)	2slezrk	<a href="https://classroom.google.com/c/NDI4NzUyMTc1 MjY5?cjc=2slezrk">https://classroom.google.com/c/NDI4NzUyMTc1 MjY5?cjc=2slezrk</a>
		FYBBA (CA)	yaizzb5	<a href="https://classroom.google.com/c/NDk2MDA4 NTk4OTUy?cjc=yaizzb5">https://classroom.google.com/c/NDk2MDA4 NTk4OTUy?cjc=yaizzb5</a>
		FYBBA (CA)	i5t6dpo	<a href="https://classroom.google.com/c/NTMyNzIzMzYx ODE0?cjc=i5t6dpo">https://classroom.google.com/c/NTMyNzIzMzYx ODE0?cjc=i5t6dpo</a>
		SYBBA (CA)	qmgf22h	<a href="https://classroom.google.com/c/NDIwMTg3OTY0 OTYy?cjc=qmgf22h">https://classroom.google.com/c/NDIwMTg3OTY0 OTYy?cjc=qmgf22h</a>
		SYBBA (CA)	uiwv22v	<a href="https://classroom.google.com/c/NTMxNTYzMjI1 NTIw?cjc=uiwv22v">https://classroom.google.com/c/NTMxNTYzMjI1 NTIw?cjc=uiwv22v</a>



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## DEPARTMENT OF BBA - CA

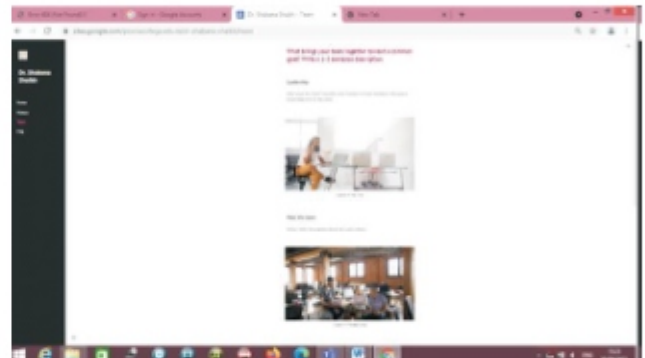
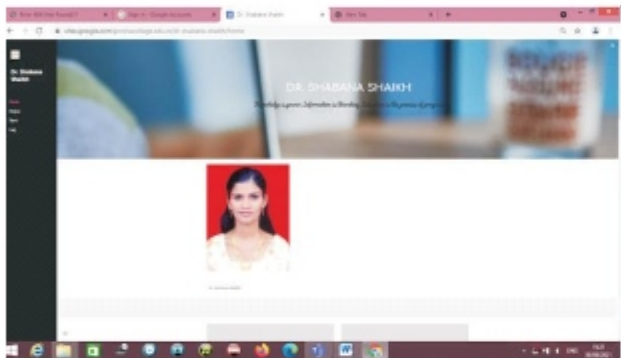
Name of Teacher



Personal Webpage link

Dr. Shabana A. Mulla

<https://sites.google.com/poonacollege.edu.in/dr-shabana-shaikh/home>



Name of Teacher



Personal Webpage link

Dr. Reshma Patil

<https://sites.google.com/view/drreshmapatil-kadamprofile/home>





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Name of Teacher

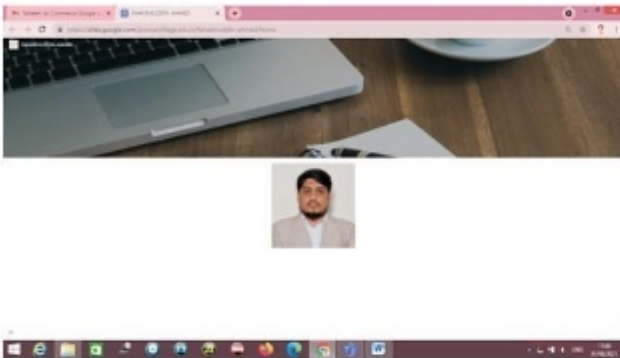


Google Sites

Personal Webpage link

Mr. Faheemuddin Ahmed

<https://sites.google.com/poonacollege.edu.in/faheemuddin-ahmed/home>



Name of Teacher



Google Sites

Personal Webpage link

Department of Computer Science  
& Post Graduate Center

<https://sites.google.com/poonacollege.edu.in/drshoebahmadmscphdpdf/about>





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## DEPARTMENT BBA-CA

### Study Material in the form of E-content

Sr. No	Name of the Teacher	Title of e-Book (If any authored)	Title of PPTs	Any other e-study material
1	Dr. Shabana Mulla	--	Introduction to Web Technology	--
2	Dr. Shabana Mulla	--	Web Design	--
3	Dr. Shabana Mulla	--	HTML	--
4	Dr. Shabana Mulla	--	Style sheets	--
5	Dr. Shabana Mulla	--	JavaScript	--
6	Dr. Shabana Mulla	--	Introduction to System Concepts	--
7	Dr. Shabana Mulla	--	Introduction to Software Engineering	--
8	Dr. Shabana Mulla	--	Software Development Life Cycle	--
9	Dr. Shabana Mulla	--	Requirement Engineering	--
10	Dr. Shabana Mulla	--	Analysis And Design Tools	--
11	Dr. Shabana Mulla	--	Software Testing	--
12	Dr. Shabana Mulla	--	Software Maintenance and Software Re-Engineering	--
13	Dr. Shabana Mulla	--	Web Essentials	--
14	Dr. Shabana Mulla	--	Markup Languages	--
15	Dr. Shabana Mulla	--	JAVA Script	--
16	Dr. Shabana Mulla	--	Introduction to PHP	--
17	Dr. Shabana Mulla	--	Function and String in PHP	--
18	Dr. Shabana Mulla	--	Arrays in PHP	--
19	Dr. Shabana Mulla	--	Software Process And Project Metrics, Analysis Concepts And Principles	--
20	Dr. Shabana Mulla	--	Distributed Databases	--
21	Dr. Shabana Mulla	--	Data Warehouse	--
22	Dr. Shabana Mulla	--	Network Security	--
23	Dr. Shabana Mulla	--	Computing and Informatics	--
24	Dr. Shabana Mulla	--	Software Testing	--
25	Dr. Shabana Mulla	--	Approaches to Testing – I	--
26	Dr. Shabana Mulla	--	Testing for Specialized	--

			Environments	
27	Dr. Shabana Mulla	--	Software Testing Strategies & Software metrics	--
28	Dr. Shabana Mulla	--	Specialized Testing & Testing Tools (Introduction)	--
29	Dr. Reshma Patil	Fundamentals of Computers  <a href="https://www.tppl.org.in/2020/second-sem/4343-fundamentals-of-computers-9789389627480.html">https://www.tppl.org.in/2020/second-sem/4343-fundamentals-of-computers-9789389627480.html</a>		--
30	Dr. Reshma Patil	--	File Structure and Organization	--
31	Dr. Reshma Patil	--	Database Management System	--
32	Dr. Reshma Patil	--	Relational Model	--
33	Dr. Reshma Patil	--	SQL (Structured Query Language)	--
34	Dr. Reshma Patil	--	Relational Database Design	--
35	Dr. Reshma Patil	--	Introduction To RDBMS	--
36	Dr. Reshma Patil	--	PL-SQL	--
37	Dr. Reshma Patil	--	Transaction Management	--
38	Dr. Reshma Patil	--	Concurrency Control & Recovery System	--
39	Dr. Reshma Patil	--	Basic Concept and Introduction to Data Structure	--
40	Dr. Reshma Patil	--	Linear data structures	--
41	Dr. Reshma Patil	--	Linked List	--
42	Dr. Reshma Patil	--	Stacks	--
43	Dr. Reshma Patil	--	Queues	--
44	Dr. Reshma Patil	--	Trees	--
45	Dr. Reshma Patil	--	Graph	--
46	Dr. Reshma Patil	--	AngularJS Core Concepts	--
47	Dr. Reshma Patil	--	AngularJS Directives and Expressions	--
48	Dr. Reshma Patil	--	AngularJS Modules, Controller, View and Scope	--
49	Dr. Reshma Patil	--	Filter, Forms and Ajax Filters	--
50	Dr. Reshma Patil	--	Dependency Injection, Services	--
51	Dr. Reshma Patil	--	Introduction to C++	--
52	Dr. Reshma Patil	--	Beginning with C++	--

53	Dr. Reshma Patil	--	Classes and Objects	--
54	Dr. Reshma Patil	--	Constructors and Destructors	--
55	Dr. Reshma Patil	--	Inheritance	--
56	Dr. Reshma Patil	--	Polymorphism	--
57	Dr. Reshma Patil	--	Managing console I/O operations	--
58	Dr. Reshma Patil	--	Working with Files	--
59	Dr. Reshma Patil	--	Templates	--
60	Dr. Reshma Patil	--	Introduction to Operating System	--
61	Dr. Reshma Patil	--	System Structure	--
62	Dr. Reshma Patil	--	Process Management	--
63	Dr. Reshma Patil	--	CPU Scheduling	--
64	Dr. Reshma Patil	--	Process Synchronization	--
65	Dr. Reshma Patil	--	Deadlock	--
66	Dr. Reshma Patil	--	Memory Management	--
67	Dr. Reshma Patil	--	File System	--
68	Dr. Reshma Patil	--	I/O System	--
69	Dr. Reshma Patil	--	Introduction to Node JS	--
70	Dr. Reshma Patil	--	Node JS Modules	--
71	Dr. Reshma Patil	--	Node Package Manager	--
72	Dr. Reshma Patil	--	Web server	--
73	Dr. Reshma Patil	--	File System	--
74	Dr. Reshma Patil	--	Events	--
75	Dr. Reshma Patil	--	Database connectivity	--
76	Dr. Reshma Patil	--	Introduction to .Net Framework	--
77	Dr. Reshma Patil	--	Introduction to VB.Net	--
78	Dr. Reshma Patil	--	Object Oriented Programming in VB .Net	--
79	Dr. Reshma Patil	--	Architecture Of ADO.Net	--
80	Dr. Reshma Patil	--	Crystal Report	--
81	Mr. Faheemuddin Ahmed	--	Introduction to Big Data	--
82	Mr. Faheemuddin Ahmed	--	Introduction to Data Science	--
83	Mr. Faheemuddin Ahmed	--	Introduction to Machine Learning	--
84	Mr. Faheemuddin Ahmed	--	Data Analytics with R/ Weka Machine Learning	--
85	Mr. Faheemuddin Ahmed	--	Introduction to Computer Network	--
86	Mr. Faheemuddin Ahmed	--	Network Models	--
87	Mr. Faheemuddin Ahmed	--	Transmission Media	--
88	Mr. Faheemuddin	--	Wired and Wireless LAN	--



	Ahmed			
89	Mr. Faheemuddin Ahmed	--	Network Devices	--
90	Mr. Faheemuddin Ahmed	--	Network Security	--
91	Mr. Faheemuddin Ahmed	--	Introduction to Java	--
92	Mr. Faheemuddin Ahmed	--	Classes and Objects	--
93	Mr. Faheemuddin Ahmed	--	Collection	--
94	Mr. Faheemuddin Ahmed	--	File and Exception Handling	--
95	Mr. Faheemuddin Ahmed	--	Applet, AWT and Swing Programming	--
96	Mr. Faheemuddin Ahmed	--	Object Oriented Concepts, Modeling and UML	--
97	Mr. Faheemuddin Ahmed	--	Basic and Advanced Structural Modeling	--
98	Mr. Faheemuddin Ahmed	--	Basic Behavioral and Architectural Modeling	--
99	Mr. Faheemuddin Ahmed	--	Object Oriented Analysis	--
100	Mr. Faheemuddin Ahmed	--	Object Oriented Design	--
101	Mr. Faheemuddin Ahmed	--	Introduction to Object Oriented Programming in PHP	--
102	Mr. Faheemuddin Ahmed	--	Web Techniques	--
103	Mr. Faheemuddin Ahmed	--	Databases	--
114	Mr. Faheemuddin Ahmed	--	XML	--
115	Mr. Faheemuddin Ahmed	--	Web services	--
116	Mr. Faheemuddin Ahmed	--	Ajax	--
117	Mr. Faheemuddin Ahmed	--	JDBC	--
118	Mr. Faheemuddin Ahmed	--	Networking	--
119	Mr. Faheemuddin Ahmed	--	Servlet and JSP	--
120	Mr. Faheemuddin Ahmed	--	JSP	--
121	Mr. Faheemuddin Ahmed	--	Multithreading	--
122	Mr. Faheemuddin	--	Java Beans and RMI	--

	Ahmed			
123	Dr. Imran Baig Mirza	--	Introduction to C language	--
124	Dr. Imran Baig Mirza	--	Managing I/O operations	--
125	Dr. Imran Baig Mirza	--	Decision Making and looping	--
126	Dr. Imran Baig Mirza	--	Programs through conditional and looping statements	--
127	Dr. Imran Baig Mirza	--	Arrays and Strings	--
128	Dr. Imran Baig Mirza	--	Functions	--
129	Dr. Imran Baig Mirza	--	Introduction to pointer	--
130	Dr. Imran Baig Mirza	--	Structures	--
131	Dr. Imran Baig Mirza	--	Introduction To RDBMS	--
132	Dr. Imran Baig Mirza	--	PL-SQL	--
133	Dr. Imran Baig Mirza	--	Transaction Management	--
134	Dr. Imran Baig Mirza	--	Concurrency Control & Recovery System	--
135	Dr. Imran Baig Mirza	--	E-Commerce	--
136	Dr. Imran Baig Mirza	--	Introduction to New Age Media (Digital) Marketing	--
137	Dr. Imran Baig Mirza	--	Creating Initial Digital Marketing Plan	--
138	Dr. Imran Baig Mirza	--	Marketing using Web Sites	--
139	Dr. Imran Baig Mirza	--	Search Engine Optimization	--
140	Dr. Imran Baig Mirza	--	Customer Relationship Management	--
141	Dr. Imran Baig Mirza	--	Social Media Marketing	--
142	Dr. Imran Baig Mirza	--	Digital Marketing Budgeting	--
143	Dr. Imran Baig Mirza	--	PHP Basics	--
144	Dr. Imran Baig Mirza	--	Control Structures and Loops	--
145	Dr. Imran Baig Mirza	--	Functions, Objects and Errors	--
146	Dr. Imran Baig	--	Working with Forms	--

	Mirza			
147	Dr. Imran Baig Mirza	--	More with Forms	--
148	Dr. Imran Baig Mirza	--	Storing and Protecting Data	--
149	Dr. Imran Baig Mirza	--	MySQL Database Overview	--
150	Dr. Imran Baig Mirza	--	Introduction to Object Oriented Programming in PHP	--
151	Dr. Imran Baig Mirza	--	Web Techniques	--
152	Dr. Imran Baig Mirza	--	XML	--
153	Dr. Imran Baig Mirza	--	Ajax with PHP	--
154	Dr. Imran Baig Mirza	--	Introduction to Web Services	--
155	Dr. Imran Baig Mirza	--	PHP Framework (Joomla / Drupal)	--



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## Department of BBA-CA E-content on YouTube Channel

Sr. No.	Name of Teacher	Topic of Video	YouTube Channel Link	Faculty YouTube Link
1	Dr. Shabana Shaikh	Union in C Programming	<a href="https://youtu.be/UCWcsVdZ0mQ">https://youtu.be/UCWcsVdZ0mQ</a>	<a href="https://www.youtube.com/channel/UCkCrsW8km7zXOD3zmW3yDWw">https://www.youtube.com/channel/UCkCrsW8km7zXOD3zmW3yDWw</a>
2	Dr. Shabana Shaikh	Structure in C programming	<a href="https://youtu.be/j6AWtUauCkM">https://youtu.be/j6AWtUauCkM</a>	<a href="https://www.youtube.com/channel/UCOJYK7flaDooyQaI8wYIFzw">https://www.youtube.com/channel/UCOJYK7flaDooyQaI8wYIFzw</a>
3	Dr. Shabana Shaikh	Break and continue statements in C Programming	<a href="https://youtu.be/djqomYFUOy8">https://youtu.be/djqomYFUOy8</a>	<a href="https://www.youtube.com/channel/UCXAX8MSTdmFf7out-KihJaA">https://www.youtube.com/channel/UCXAX8MSTdmFf7out-KihJaA</a>
4	Dr. Shabana Shaikh	ARRAYS	<a href="https://youtu.be/46Jg4PzqaO8">https://youtu.be/46Jg4PzqaO8</a>	<a href="https://www.youtube.com/channel/UCNdKrumQCDDQNu4qANg4wBA/featured">https://www.youtube.com/channel/UCNdKrumQCDDQNu4qANg4wBA/featured</a>
5	Dr. Shabana Shaikh	Break and continue statements in C Programming	<a href="https://youtu.be/djqomYFUOy8">https://youtu.be/djqomYFUOy8</a>	<a href="https://youtube.com/user/imranbaigmirza">https://youtube.com/user/imranbaigmirza</a>
6	Dr. Reshma Patil	Introduction to Data Structures	<a href="https://youtu.be/mMYebAVkwpq">https://youtu.be/mMYebAVkwpq</a>	
7	Dr. Reshma Patil	Introduction to Data Structures	<a href="https://youtu.be/ubnDkO_4FY">https://youtu.be/ubnDkO_4FY</a>	
8	Dr. Reshma Patil	Introduction to Data Structure	<a href="https://youtu.be/trR6F5rRabc">https://youtu.be/trR6F5rRabc</a>	
9	Dr. Reshma Patil	Introduction to Data Structure	<a href="https://youtu.be/zvUjYwg_vzg">https://youtu.be/zvUjYwg_vzg</a>	
10	Dr. Reshma Patil	Abstract Data Type (ADT) in Data Structure	<a href="https://youtu.be/d0B4Srd a3DM">https://youtu.be/d0B4Srd a3DM</a>	
11	Dr. Reshma Patil	Count the leaf nodes of Binary Search Tree	<a href="https://youtu.be/35aO7OnzkQU">https://youtu.be/35aO7OnzkQU</a>	



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12	Dr. Reshma Patil	Information Security	<a href="https://youtu.be/R7tiLCVxJV4">https://youtu.be/R7tiLCVxJV4</a>	
13	Dr. Reshma Patil	Firewall	<a href="https://youtu.be/3Bp9K0oFvCU">https://youtu.be/3Bp9K0oFvCU</a>	
14	Dr. Reshma Patil	Cryptography	<a href="https://youtu.be/dmarygFkTFI">https://youtu.be/dmarygFkTFI</a>	
15	Dr. Reshma Patil	Google Classroom Assignment	<a href="https://youtu.be/Atcg3lh8uus">https://youtu.be/Atcg3lh8uus</a>	
16	Dr. Reshma Patil	Class Visibility Modes	<a href="https://youtu.be/hC9bmcjNH9o">https://youtu.be/hC9bmcjNH9o</a>	
17	Dr. Reshma Patil	CPU Scheduling FCFS Algorithm	<a href="https://youtu.be/wnBwK6v9mII">https://youtu.be/wnBwK6v9mII</a>	
18	Dr. Reshma Patil	CPU Scheduling SJF Algorithm	<a href="https://youtu.be/8QkFrSt72z0">https://youtu.be/8QkFrSt72z0</a>	
19	Dr. Reshma Patil	CPU Scheduling Round Robin Algorithm	<a href="https://youtu.be/xJ9diCk-FzA">https://youtu.be/xJ9diCk-FzA</a>	
20	Dr. Reshma Patil	CPU Scheduling Priority Scheduling Algorithm	<a href="https://youtu.be/QfEntpMH7Bs">https://youtu.be/QfEntpMH7Bs</a>	
21	Dr. Reshma Patil	CPU Scheduling Multilevel Queue Scheduling Algorithm	<a href="https://youtu.be/3fv0o5xd69w">https://youtu.be/3fv0o5xd69w</a>	
22	Dr. Reshma Patil	CPU Scheduling Multilevel Feedback Queue Scheduling Algorithm	<a href="https://youtu.be/mwx6nKhbUrc">https://youtu.be/mwx6nKhbUrc</a>	
23	Dr. Reshma Patil	Page Replacement Algorithm Second Chance	<a href="https://youtu.be/XlwlQrrytZA">https://youtu.be/XlwlQrrytZA</a>	
24	Dr. Reshma Patil	Page Replacement Algorithm FIFO	<a href="https://youtu.be/mwx6nKhbUrc">https://youtu.be/mwx6nKhbUrc</a>	



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**Professor Dr. Aftab Anwar Shaikh**  
M.Com, Ph.D (Busi. Admin.)  
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25	Dr. Reshma Patil	Page Replacement Algorithm Optimal	<a href="https://youtu.be/rRC3VzHUmDU">https://youtu.be/rRC3VzHUmDU</a>	
26	Dr. Reshma Patil	Page Replacement Algorithm LFU	<a href="https://youtu.be/2KXQxbIfTmY">https://youtu.be/2KXQxbIfTmY</a>	
27	Dr. Reshma Patil	Page Replacement Algorithm MFU	<a href="https://youtu.be/SvZe7D1jziM">https://youtu.be/SvZe7D1jziM</a>	
28	Dr. Reshma Patil	Page Replacement Algorithm NRU	<a href="https://youtu.be/8zOIVdrxlBM">https://youtu.be/8zOIVdrxlBM</a>	
29	Dr. Reshma Patil	Page Replacement Algorithm LRU	<a href="https://youtu.be/Ho4yi7jqITs">https://youtu.be/Ho4yi7jqITs</a>	
30	Dr. Reshma Patil	File Organization in DBMS	<a href="https://youtu.be/1MNWWqgPr2U">https://youtu.be/1MNWWqgPr2U</a>	
31	Dr. Reshma Patil	Relational Model	<a href="https://youtu.be/gH8uCOILDBU">https://youtu.be/gH8uCOILDBU</a>	
32	Dr. Reshma Patil	Relational Algebra Operations in DBMS with Example	<a href="https://youtu.be/ArtDXVBQcdo">https://youtu.be/ArtDXVBQcdo</a>	
33	Dr. Reshma Patil	SQL Queries – Database Management System	<a href="https://youtu.be/mKLYQdWItcg">https://youtu.be/mKLYQdWItcg</a>	
34	Dr. Reshma Patil	Data Definition Language	<a href="https://youtu.be/vJL3au9isns">https://youtu.be/vJL3au9isns</a>	
35	Dr. Reshma Patil	Problems on Two Phase Locking Protocol	<a href="https://youtu.be/1EzXPNW8KPc">https://youtu.be/1EzXPNW8KPc</a>	
36	Dr. Reshma Patil	Recovery and Atomicity	<a href="https://youtu.be/pYkTgTJrTOQ">https://youtu.be/pYkTgTJrTOQ</a>	
37	Dr. Reshma Patil	Checkpoints - Recovery and Atomicity	<a href="https://youtu.be/q1Me1ARrPPk">https://youtu.be/q1Me1ARrPPk</a>	
38	Dr. Reshma Patil	AngularJS	<a href="https://youtu.be/jbWOCjgysMQ">https://youtu.be/jbWOCjgysMQ</a>	

39	Dr. Reshma Patil	Custom Service in Angular JS	<a href="https://youtu.be/ERPkKT4cVpA">https://youtu.be/ERPkKT4cVpA</a>	
40	Dr. Reshma Patil	Dependency Injection Mechanism of AngularJS	<a href="https://youtu.be/Y6lGvcMS6YI">https://youtu.be/Y6lGvcMS6YI</a>	
41	Dr. Reshma Patil	\$http Services in AngularJS	<a href="https://youtu.be/c4GTZxeJqPk">https://youtu.be/c4GTZxeJqPk</a>	
42	Dr. Reshma Patil	\$root Built in Service in Angular JS	<a href="https://youtu.be/m_vUdBfWHpE">https://youtu.be/m_vUdBfWHpE</a>	
43	Dr. Reshma Patil	\$filter Built in Service in Angular JS	<a href="https://youtu.be/H-kNsHkJ32A">https://youtu.be/H-kNsHkJ32A</a>	
44	Dr. Reshma Patil	\$document Built in Service in Angular JS	<a href="https://youtu.be/E2i5RGHubf0">https://youtu.be/E2i5RGHubf0</a>	
45	Dr. Reshma Patil	\$timeout Built in Service in Angular JS	<a href="https://youtu.be/hHpTLCj_x4E">https://youtu.be/hHpTLCj_x4E</a>	
46	Dr. Reshma Patil	\$interval Built-in Service in Angular JS	<a href="https://youtu.be/YiR6Ilh9oQo">https://youtu.be/YiR6Ilh9oQo</a>	
47	Dr. Reshma Patil	\$window Built-in Service in AngularJS	<a href="https://youtu.be/ojDiFZ9JesE">https://youtu.be/ojDiFZ9JesE</a>	
48	Dr. Reshma Patil	\$location Built-in Service in AngularJS	<a href="https://youtu.be/xVyn3f85R2o">https://youtu.be/xVyn3f85R2o</a>	
49	Dr. Reshma Patil	Custom Model Update Triggers and Custom Validations of AngularJS Forms	<a href="https://youtu.be/Tdaqg-wOB1I">https://youtu.be/Tdaqg-wOB1I</a>	
50	Dr. Reshma Patil	Crystal Report Dot Net	<a href="https://youtu.be/XagQYPvb7qg">https://youtu.be/XagQYPvb7qg</a>	
51	Dr. Reshma Patil	Crystal Report Special Field	<a href="https://youtu.be/g7Rm6--Vo38">https://youtu.be/g7Rm6--Vo38</a>	



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**Professor Dr. Aftab Anwar Shaikh**  
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52	Dr. Reshma Patil	Crystal Report - Parameter Field	<a href="https://youtu.be/x-O9_DhqmMI">https://youtu.be/x-O9_DhqmMI</a>	
53	Dr. Reshma Patil	Crystal Report - Formula Field	<a href="https://youtu.be/CStFISTmuQ8">https://youtu.be/CStFISTmuQ8</a>	
54	Dr. Imran Baig Mirza	C Programming - String Handling Fuctions	<a href="https://drive.google.com/drive/u/1/folders/1nbaU7L0rHNO3WW07oIoxo2OZW7ohqibE">https://drive.google.com/drive/u/1/folders/1nbaU7L0rHNO3WW07oIoxo2OZW7ohqibE</a>	
55	Dr. Imran Baig Mirza	Digital Marketing - Social Media Marketing	<a href="https://drive.google.com/drive/u/1/folders/1nbaU7L0rHNO3WW07oIoxo2OZW7ohqibE">https://drive.google.com/drive/u/1/folders/1nbaU7L0rHNO3WW07oIoxo2OZW7ohqibE</a>	





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## Department of Botany

Academic Year: 2022-23

ICT Enabled Tools for Effective Teaching Learning Process:

1. Google Classroom
2. Google Sites

Sr. No.	Name of Teacher	Class	Google Class Code	Google Class Link	Personal Webpage link
1.	Dr. Sayyed Iliyas	-	-	-	<a href="https://sites.google.com/view/drsayyediliyas/home">https://sites.google.com/view/drsayyediliyas/home</a>
2.	Dr. Aafreen A. Ahmed	FY BSc	4tnlw5w	<a href="https://classroom.google.com/c/NDM4NjI4MTk4ODY3?cjc=4tnlw5w">https://classroom.google.com/c/NDM4NjI4MTk4ODY3?cjc=4tnlw5w</a>	-----
3.	Dr. Aafreen A. Ahmed	SY BSc	2zs5azk	<a href="https://classroom.google.com/c/NDUwMDgxMzYyMDE0?cjc=2zs5azk">https://classroom.google.com/c/NDUwMDgxMzYyMDE0?cjc=2zs5azk</a>	-----
4.	Dr. Aafreen A. Ahmed	TY BSc	oios3pp	<a href="https://classroom.google.com/c/NDUwMDY3MzA2Mzc3?cjc=oios3pp">https://classroom.google.com/c/NDUwMDY3MzA2Mzc3?cjc=oios3pp</a>	-----
5.	Ms. Nabila M. Shaikh	SY BSc	ox3svx4	<a href="https://classroom.google.com/c/NDY5NjUwODM2OTIz?cjc=ox3svx4">https://classroom.google.com/c/NDY5NjUwODM2OTIz?cjc=ox3svx4</a>	-
6.	Ms. Nabila M. Shaikh	TY BSc	klf6zsm	<a href="https://classroom.google.com/c/NDUxNzQxMzYyN">https://classroom.google.com/c/NDUxNzQxMzYyN</a>	

				<a href="#">zYw?cjc=k1f6zsm</a>	
8.	Ms. Nabila M. Shaikh	TY BSc	ehnmen m	<a href="https://classroom.google.com/c/NDUxNzQyMjk0MzIx?cjc=ehnmenm">https://classroom.google.com/c/NDUxNzQyMjk0MzIx?cjc=ehnmenm</a>	
9.	Ms. Nabila M. Shaikh	TY BSc	63qgb5j	<a href="https://classroom.google.com/c/NDY5NzM0NDM3MDU3?cjc=63qgb5j">https://classroom.google.com/c/NDY5NzM0NDM3MDU3?cjc=63qgb5j</a>	

**I/C Head,  
Department of Botany**

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## DEPARTMENT OF ECONOMICS, POST GRADUATE & RESEARCH CENTRE

### ICT ENABLE TOOLS

FACULTY NAME	CLASS	SUBJECT	CLASS CODE	CLASS LINK	WEBSITE LINK	
Dr. M. Shahid Jamal Ansari	TYBCom	Banking & Finance-II	DM2NjYx	<a href="https://classroom.google.com/c/MjI5MDQ5NDM2NjYx">https://classroom.google.com/c/MjI5MDQ5NDM2NjYx</a>	<a href="https://sites.google.com/d/1hyyDWnMIDlz8EVPX-OLvVH9Jo7q0drk/r/p/1DJgnaypAzc86aTU1hh4Gr-qgMAzag2NE">https://sites.google.com/d/1hyyDWnMIDlz8EVPX-OLvVH9Jo7q0drk/r/p/1DJgnaypAzc86aTU1hh4Gr-qgMAzag2NE</a>	
	TYBCom	International Economics	7wbtlow	<a href="https://classroom.google.com/c/NDU3OTUwODE1NTIx?cjc=7wbtlow">https://classroom.google.com/c/NDU3OTUwODE1NTIx?cjc=7wbtlow</a>		
	TYBA	International Economics	k5iyryc	<a href="https://classroom.google.com/c/NDUzNjk2Njk0MTEy?cjc=k5iyryc">https://classroom.google.com/c/NDUzNjk2Njk0MTEy?cjc=k5iyryc</a>		
	SYBA	Microeconomics	6hcgq65	<a href="https://classroom.google.com/c/NDUzNjk3MTQ3MjEx?cjc=6hcgq65">https://classroom.google.com/c/NDUzNjk3MTQ3MjEx?cjc=6hcgq65</a>		
	MA-I	International Economics	w23evkb	<a href="https://classroom.google.com/c/NDUzNjk3MTQ3NDMz?cjc=w23evkb">https://classroom.google.com/c/NDUzNjk3MTQ3NDMz?cjc=w23evkb</a>		
	MA-II	Growth & Development	zg53bzb	<a href="https://classroom.google.com/c/NDU3OTU2MTAzODAy?cjc=zg53bzb">https://classroom.google.com/c/NDU3OTU2MTAzODAy?cjc=zg53bzb</a>		
	FYBA	Indian Economic	bc5ogfn	<a href="https://classroom.google.com/c/ODk1OTg2">https://classroom.google.com/c/ODk1OTg2</a>		

Dr. Gulnawaz Usmani	SYBA	Environment Macroeconomics	o44sgnt	MTU2Nzda?cjc=bc5ogfn	.com/poonacolleg e.edu.in/dr- gulnawaz- usmani/home
	SYBA	Financial System	gufhzci	<a href="https://classroom.google.com/c/ODk1OTg2MTU3MDha?cjc=o44sgnt">https://classroom.google.com/c/ODk1OTg2MTU3MDha?cjc=o44sgnt</a>	
	SYBCom	Busi. Economics (Macro)	rfmi3zp	<a href="https://classroom.google.com/c/MTY1NDU4Njc5Nzgy?cjc=gufhzci">https://classroom.google.com/c/MTY1NDU4Njc5Nzgy?cjc=gufhzci</a>	
	MA	Growth & Development	wqdiyxl	<a href="https://classroom.google.com/c/MjlzMDIyMjE2NDIw?cjc=rfmi3zp">https://classroom.google.com/c/MjlzMDIyMjE2NDIw?cjc=rfmi3zp</a>	
	MA	Macroeconomics	pomczvv	<a href="https://classroom.google.com/c/MTcxODIyNzAxMDQ4?cjc=wqdiyxl">https://classroom.google.com/c/MTcxODIyNzAxMDQ4?cjc=wqdiyxl</a>	
	T.Y.B.A	G3 Indian Economics Development I	ymum6xb	<a href="https://classroom.google.com/c/MjA4MjMyMDUwMjMx?cjc=pomczvv">https://classroom.google.com/c/MjA4MjMyMDUwMjMx?cjc=pomczvv</a>	
	F.Y.B.Com (All Division)	Business Economics (Micro Economics)	bb2445v	<a href="https://classroom.google.com/c/NDQyMTk5NjU3MDkw?cjc=bb2445v">https://classroom.google.com/c/NDQyMTk5NjU3MDkw?cjc=bb2445v</a>	
	S.Y.B. Com	Banking and Finance I	zh2k3vx	<a href="https://classroom.google.com/c/NDQyMjAyNTYwNTc0?cjc=zh2k3vx">https://classroom.google.com/c/NDQyMjAyNTYwNTc0?cjc=zh2k3vx</a>	
Dr. Vidyasagar Singaram	M.A. 1 <sup>st</sup> Year	Public Economics I	z76wgwy	<a href="https://classroom.google.com/c/NDQyMjAyNjU1MTI1?cjc=z76wgwy">https://classroom.google.com/c/NDQyMjAyNjU1MTI1?cjc=z76wgwy</a>	
	M.A. 2 <sup>nd</sup> Year	Demography	nhnlnsc	<a href="https://classroom.google.com/c/NDQzOTI3NDg2MDZl?cjc=nhnlnsc">https://classroom.google.com/c/NDQzOTI3NDg2MDZl?cjc=nhnlnsc</a>	
	F.Y. B.B.A	Business Economics (Micro)	fu4uaem	<a href="https://classroom.google.com/c/NDQyMjA0NDc3NTc3?cjc=fu4uaem">https://classroom.google.com/c/NDQyMjA0NDc3NTc3?cjc=fu4uaem</a>	
	TYBA	Public Finance	fp2bvhx	<a href="https://classroom.google.com/c/NDM2NDg3OTkwMTMy?cjc=fp2bvhx">https://classroom.google.com/c/NDM2NDg3OTkwMTMy?cjc=fp2bvhx</a>	

Dr. Ana Mateen	FYBCom	Banking & Finance	t5cas36	<a href="https://classroom.google.com/c/NDM3ODMwODI4OTkz?cjc=t5cas36">https://classroom.google.com/c/NDM3ODMwODI4OTkz?cjc=t5cas36</a>	Ana Mateen ( <a href="mailto:google.com">google.com</a> )
	TYBCom	Indian & Global Economic Development	jiqrr6s	<a href="https://classroom.google.com/c/NDM1MTc1NzYzNzYy?cjc=jiqrr6s">https://classroom.google.com/c/NDM1MTc1NzYzNzYy?cjc=jiqrr6s</a>	
	TYBCom	Banking & Finance III	tpdeocb	<a href="https://classroom.google.com/c/NDM3NjU0MzMzMdk4?cjc=tpdeocb">https://classroom.google.com/c/NDM3NjU0MzMzMdk4?cjc=tpdeocb</a>	
	MA	Micro Economic Analysis I	fgeu5r6	<a href="https://classroom.google.com/c/NDM2NTE0MDUyMTg1?cjc=fgeu5r6">https://classroom.google.com/c/NDM2NTE0MDUyMTg1?cjc=fgeu5r6</a>	
	MA	Research Methodology I	tu4ognn	<a href="https://classroom.google.com/c/NDM5ODQyNzMxODIw?cjc=tu4ognn">https://classroom.google.com/c/NDM5ODQyNzMxODIw?cjc=tu4ognn</a>	



**Head**

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### E-CONTENT ON YOUTUBE CHANNEL

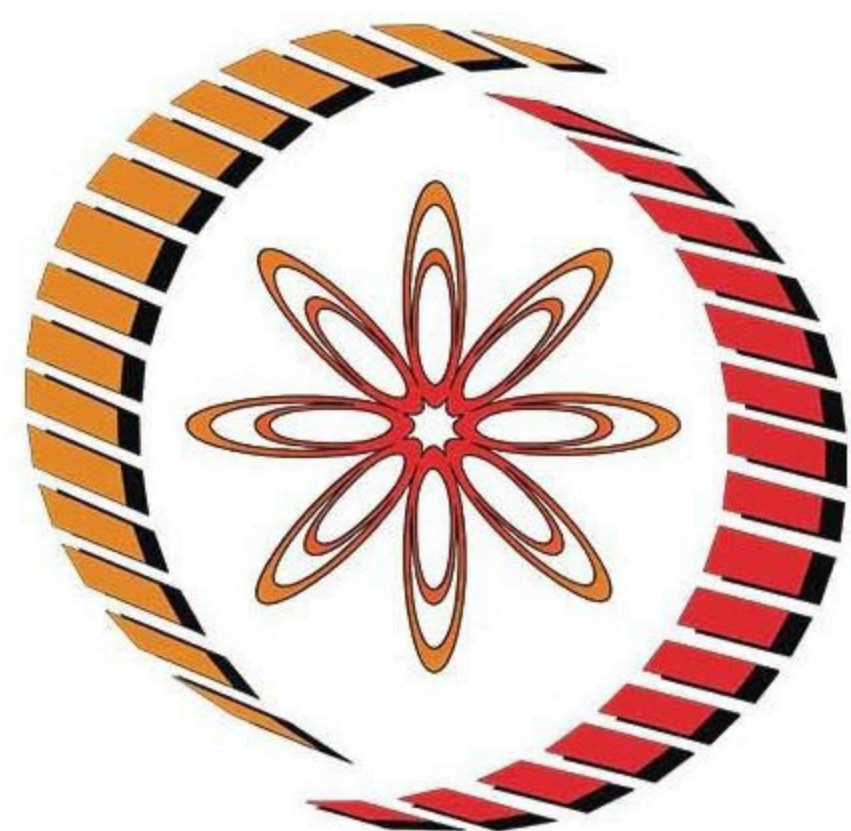
SR. NO	NAME OF TEACHER	TOPIC OF VIDEO	YOU TUBE CHANNEL LINK
1.	Dr. Gulnawaz Usmani	This Lecture gives an idea about Indifference curve theory	<a href="https://www.youtube.com/watch?v=WXCpNmWly50">https://www.youtube.com/watch?v=WXCpNmWly50</a>
2.		Macroeconomics	<a href="https://www.youtube.com/watch?v=28tUSxl6vjY">https://www.youtube.com/watch?v=28tUSxl6vjY</a>
3.		Theory of Demand	<a href="https://www.youtube.com/watch?v=S2mxU3gfw3s">https://www.youtube.com/watch?v=S2mxU3gfw3s</a>
4.		Liquidity Preference Theory of Interest Rate	<a href="https://www.youtube.com/watch?v=h48TL4eTG5A">https://www.youtube.com/watch?v=h48TL4eTG5A</a>
5.		Basics problems of Economics	<a href="https://www.youtube.com/watch?v=UM954sxMXo8">https://www.youtube.com/watch?v=UM954sxMXo8</a>
6.		Modern Theory of Rent	<a href="https://www.youtube.com/watch?v=woxkavf_cPk">https://www.youtube.com/watch?v=woxkavf_cPk</a>
7.		Loanable Funds Theory of Interest Rate	<a href="https://www.youtube.com/watch?v=5D2v1nm0MfU">https://www.youtube.com/watch?v=5D2v1nm0MfU</a>

  
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Google Links for Classroom

Sr. No	Name of the teacher	Class	Classroom code	Google Link
	Mrs Swaleha Mulla	FYBSC(C.S) - ELC-112	4bhtigp	<a href="https://classroom.google.com/c/MTI3NTc1MzU0Mjc4?cjc=4bhtigp">https://classroom.google.com/c/MTI3NTc1MzU0Mjc4?cjc=4bhtigp</a>
		SYBSC(C.S) - Electronics- ELC-212	x4vqjia	<a href="https://classroom.google.com/c/MTI5OTE1NjU4Mzcx?cjc=x4vqjia">https://classroom.google.com/c/MTI5OTE1NjU4Mzcx?cjc=x4vqjia</a>
	Mr Mohammed Mushtak	FYBSc ( CS)	li5o4ci	<a href="https://meet.google.com/lookup/bvba4vn6i?authuser=0&amp;amp;hs=179">https://meet.google.com/lookup/bvba4vn6i?authuser=0&amp;amp;hs=179</a>
		SYBSc (CS)	w3pk3uh	<a href="https://meet.google.com/lookup/gqzqpywk6?authuser=0&amp;amp;p:hs=179">https://meet.google.com/lookup/gqzqpywk6?authuser=0&amp;amp;p:hs=179</a>
	Mr Shaikh Abul quais			<a href="https://classroom.google.com/c/NDI5NTAzMTU3NjUx?cjc=zq5nflp">https://classroom.google.com/c/NDI5NTAzMTU3NjUx?cjc=zq5nflp</a>
			FYBSc(CS)-	<a href="https://classroom.google.com/c/NDI5NTAzMTU3NjM1?cjc=raset2r">https://classroom.google.com/c/NDI5NTAzMTU3NjM1?cjc=raset2r</a>
			FYBSc(CS)-	<a href="https://classroom.google.com/c/MzQwOTUwODcxODI0?cjc=gf447kq">https://classroom.google.com/c/MzQwOTUwODcxODI0?cjc=gf447kq</a>
	Mrs Saima Sayyed	M.Sc Part- I	kmk422z	<a href="https://classroom.google.com/c/MjE0OTc1OTg4MTk4?cjc=kmk422z">https://classroom.google.com/c/MjE0OTc1OTg4MTk4?cjc=kmk422z</a>
		M.Sc Part- II	qotuh3q	<a href="https://classroom.google.com/c/MTE2MDQ5MDc0OTM3?cjc=qotuh3q">https://classroom.google.com/c/MTE2MDQ5MDc0OTM3?cjc=qotuh3q</a>
	Mr Shubham Pandey			<a href="https://classroom.google.com/c/MjE0OTc1OTg4MTk4?cjc=kmk422z">https://classroom.google.com/c/MjE0OTc1OTg4MTk4?cjc=kmk422z</a>
				<a href="https://classroom.google.com/c/MTE2MDQ5MDc0OTM3?cjc=qotuh3q">https://classroom.google.com/c/MTE2MDQ5MDc0OTM3?cjc=qotuh3q</a>
				<a href="https://classroom.google.com/c/NDM2NTQyMTA3MzIz?cjc=toyitvg">https://classroom.google.com/c/NDM2NTQyMTA3MzIz?cjc=toyitvg</a>
				<a href="https://classroom.google.com/c/NDM2NTQyMTA3NDU0?cjc=nswxv4j">https://classroom.google.com/c/NDM2NTQyMTA3NDU0?cjc=nswxv4j</a>



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# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



TOPPER

This certificate is awarded to  
**AVINASH SINGH THOUNAOJAM**  
for successfully completing the course



## Quantum Chemistry of Atoms and Molecules

with a consolidated score of **81** %

Online Assignments	24/25	Proctored Exam	57/75
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Total number of candidates certified in this course: **26**

**Prof. Sridhar Iyer**  
Head CDEEP & NPTEL Coordinator  
IIT Bombay

**Jul-Oct 2022**

**(12 week course)**



Indian Institute of Technology Bombay



Roll No: NPTEL22CY41S43781873

To validate the certificate



No. of credits recommended: 3 or 4





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# NPTEL Online Certification

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This certificate is awarded to

**DR ASHWINI SURENDRA DAWARE**

for successfully completing the course



**Indian Poetry in English**

with a consolidated score of **75** %

Online Assignments	23.54/25	Proctored Exam	51.75/75
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Total number of candidates certified in this course: **165**

**Prof. Sanjeev Manhas**

Coordinator, Continuing Education Centre  
IIT Roorkee

**Feb-Apr 2023**

**(8 week course)**

**Prof. Priti Maheshwari**

NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee





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# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**ZAMEER SALIM SAYYED**  
for successfully completing the course

## Indian Poetry in English

with a consolidated score of **65** %

Online Assignments	24.17/25	Proctored Exam	41.25/75
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Total number of candidates certified in this course: **165**

**Prof. Sanjeev Manhas**

Coordinator, Continuing Education Centre  
IIT Roorkee

Feb-Apr 2023

(8 week course)

**Prof. Priti Maheshwari**

NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee

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I No: NPTEL23HS63S54482326

To validate the certificate



No. of credits recommended: 2 or