

# 2020 Course Calendar

## 2020

	Su	M	T	W	R	F	Sa	Su	M	T	W	R	F	Sa	Su	M	T	W	R	F	Sa	Su	M	T	W	R	F	Sa	Su	M	T	W	R	F	Sa	Su	M	
<b>JAN</b>				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
<b>FEB</b>							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			
<b>MAR</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
<b>APR</b>				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
<b>MAY</b>						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<b>JUN</b>		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							
<b>JUL</b>				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
<b>AUG</b>							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
<b>SEP</b>			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
<b>OCT</b>					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
<b>NOV</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30								
<b>DEC</b>			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					

## 2020 HOLIDAYS

- Wednesday, January 1, 2020 New Year's Day
- Monday, January 20, 2020 Martin Luther King Day
- Sunday, February 2, 2020 Groundhog Day
- Friday, February 14, 2020 Valentine's Day
- Monday, February 17, 2020 Presidents' Day
- Sunday, March 8, 2020 Daylight Saving Time Begins
- Tuesday, March 17, 2020 St Patrick's Day
- Friday, April 10, 2020 Good Friday
- Sunday, April 12, 2020 Easter Sunday

- Sunday, June 21, 2020 Father's Day
- Saturday, July 4, 2020 Independence Day
- Monday, September 7, 2020 Labor Day
- Monday, October 12, 2020 Columbus Day
- Saturday, October 31, 2020 Halloween
- Sunday, November 1, 2020 Daylight Saving Time Ends
- Wednesday, November 11, 2020 Veterans' Day
- Thursday, November 26, 2020 Thanksgiving Day
- Thursday, December 24, 2020 Christmas Eve

Sunday, May 10, 2020 Mother's Day

Monday, May 25, 2020 Memorial Day

Friday, December 25, 2020 Christmas Day

Thursday December 31, 2020 New Year's Eve

This course will teach you sql server step by step.  
Pre-requisites : No experienced required

<b>What you'll learn?</b>	SQL Server installation, creating entities like database , tables , rows and columns.
	Covers fundamentals like primary key, foreign key , referential integrity , constraints , normalisation ( first , second and third normal forms), Denormalisation, OLTP , OLAP, StarSchema and SnowFlake design.
	Writing DML and DDL query like inner join, left join, right join, outer join, union , co-related queries, union all, alias, case statements, cartesian, ISNULL, aggregate( sum/count), wild card , top, order by, create , insert, bulk insert , update , backup , restore, ISNULL, Coalesce, Row_Number, Partition, Rank , DenseRank , Pivot and Unpivot.

IT has 21 sessions which covers the below syllabus	
<b>Course Overview</b>	Session 1 Basic Fundamentals Database, Tables, rows and columns.
	Session 2 Primary key, foreign key, referential integrity and constraints
	Session 3 Database Normalization (1st, 2nd and 3rd normal forms).
	Session 4 SQL basics(Select, Insert, Update and Delete)
	Session 5 DDL (Data definition language) Queries.
	Session 6 Transactions, Locks and Isolation level in SQL Server.
	Session 7 ISNULL and Coalesce functions.
	Session 8 Row_Number, Partition, Rank and DenseRank
	Session 9 Triggers, inserted and deleted tables
	Session 10 Instead of and after triggers.
	Session 11 Denormalization, OLTP and OLAP.
	Session 12 Understanding Star schema and Snow flake design.
	Session 13 SQL Server 8 kb pages.
	Session 14 Index and performances
	Session 15 Page Split and indexes
	Session 16 Clustered vs non-clustered
	Session 17 Stored procedures and their importance.
	Session 18 Change Data Capture.
	Session 19 Explain Columnstore Indexes?
	Session 20 SQL Server agent
	Session 21 How can we implement Pivot & Unpivot in SQL Server?