

# Motilal Oswal Nasdaq 100 ETF (N100)

(An open ended scheme replicating/tracking NASDAQ-100 Index)

## Product labeling

## This product is suitable for investors who are seeking\*

- Return that corresponds generally to the performance of the Nasdaq 100 Index, subject to tracking error
- Investment in equity securities of Nasdaq 100 Index

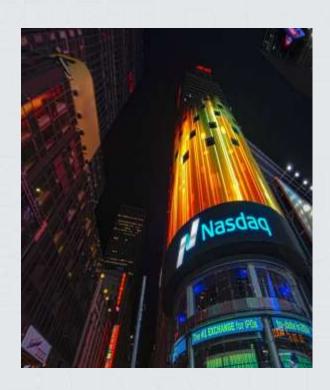






<sup>\*</sup>Investors should consult their financial advisers if in doubt about whether the product is suitable for them.

## What is the Nasdaq 100 Index?



- The top 100 domestic and international non-financial securities listed on The Nasdaq Stock Market® based on market capitalization.
- > One of the **greenest** major large cap U.S. equity benchmark indices.
- Long-established holdings include companies that have a legacy of leadership and innovation.
- Does NOT contain securities of financial companies, including investment companies
- Technology stocks have evolved from creating new and niche consumer products to a group of companies upon which every industry and sector have become dependent. The companies within the Nasdaq 100 represent the true innovators of the modern economy bringing disruption to the old economy on a global basis.
- Today, Apple, Microsoft, Google, Facebook and other Nasdaq 100 components have become the global leaders of business and are the new industrials.





## Criteria and Index Rebalancing

The security must be exclusively listed on Nasdaq, with an average daily trading volume of at least 200,000 shares



### The security must be of a non-financial company

If the security is of a foreign issuer, it must have listed options or be eligible for listed options trading (A foreign issuer is determined based on its country of incorporation).



### Review / Rebalancing

Annual Ranking Review (Reconstitution of components) – 3rd Friday of December

Quarterly Review and Monthly Component Market Weight Analysis



### RIC Diversification Test – 25/5/50 percent rule

Modified Capitalization-Weighting. If highest weighted stock exceeds 24.0%, reset to 20.0% or..

If collective weight of stocks >5% exceeds 48.0%, reset proportionally to 40.0%

Reset by compressing all stock weights toward 1.0% (average weight)



### Diversification enhanced, relative position preserved



Source: Nasdaq OMX

## Nasdaq 100 Industry Weights by Market Value

Industry	Number of Companies	Aggregate Market Value (\$)	Weight of Market Value (%)
Information Technology	37	3,504,160,272,983	43%
Communication Services	17	1,842,725,331,399	23%
Consumer Discretionary	17	1,307,238,235,507	16%
Health Care	16	707,375,040,698	9%
Consumer Staples	6	493,958,426,216	6%
Industrials	9	230,309,262,695	3%
Utilities	I	29,458,708,866	0%
Total	103	8,115,225,278,363	100%

Data as on 28th February 2019. Source: Bloomberg





### Nasdaq 100 Index Performance : Relative

Even in this tough economy, the Nasdaq 100 Index provides outperformance over the S&P 500 Index, the Dow Jones Index and Russel 2000 Index.

Period	Nasdaq 100 Index	S&P 500 Index	Dow Jones Index	Russell 2000 Index
l Year	3.55%	2.60%	3.54%	4.17%
3 Year	19.10%	12.95%	16.20%	15.08%
5 Year	13.93%	8.41%	9.68%	5.89%
10 Year	20.30%	14.24%	13.87%	15.00%
Since Inception (1/31/85)	12.55%	8.36%	9.20%	7.99%



Price/Earnings	21.76
Dividend Yield	1.09
Volume	164.70 Million
Index Market Cap	\$ 8.13 Trillion
Divisor	1143.39
Currency	USD
Composite Volume	575.94 Million

Index past performance is not indicative of future results and is not representative of any particular investment product. Does not include dividends. As 30-day rolling annualized volatility. Volatility is annualized standard deviation of daily price returns. NDX is a modified-capitalization-weighted index. Component true market values are used. Returns are calculated on USD. Source: Bloomberg. Data as on 28<sup>th</sup> February 2019.





## Nasdaq 100 Fundamentals

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Calendar Year	CY 2009	CY 2010	CY 2011	CY 2012	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017	CY 2018 Est	CY 2019 Est	CY 2020 Est
Valuation Metrics												
Price/Earnings	24.51	18.83	14.69	16.75	21.57	22.00	23.11	22.68	25.27	20.78	16.18	14.22
Price/Earnings, Positive	22.08	18.43	14.54	16.16	21.17	20.55	21.86	21.77	24.14	20.06	16.18	14.22
Price/Earnings before XO	31.64	18.74	14.68	16.86	21.39	22.04	23.84	23.67	28.46	22.48		
Price/Book Value	3.55	3.64	3.12	3.21	4.13	4.49	4.46	4.19	5.23	5.23	4.41	3.87
EV/Sales	2.29	2.23	1.86	2.01	2.71	2.86	2.94	2.96	3.50	3.14	2.79	2.57
EV/EBIT	20.34	12.92	10.01	11.67	15.79	15.94	16.85	17.49	19.70	17.01		
EV/EBITDA	13.67	10.08	8.01	9.12	11.92	11.74	12.68	12.58	14.48	12.77	10.26	9.26
Dividend Yield	0.66	0.70	1.02	1.39	1.27	1.28	1.17	1.24	1.05	1.19	1.36	1.49
Fundamentals												
Gross Margin	41.85	42.80	44.26	43.26	43.20	44.03	44.17	45.15	44.77	47.09		
Operating Margin	11.28	17.20	18.35	17.18	16.97	17.78	17.31	16.94	17.56	18.24		
Profit Margin	7.82	13.12	13.82	13.11	13.44	14.18	12.48	12.47	12.19	13.83		
Return on Assets	6.27	11.33	11.61	10.26	9.96	10.31	8.45	7.35	7.43	9.09	13.78	12.56
Return on Equity	12.30	21.49	22.72	20.60	20.55	22.87	19.20	18.00	18.54	23.64	34.84	35.78

Values rebased to INR. All growth CAGR (Compounded Annualized Growth Rate). Source: Internal Analysis and Bloomberg. Past performance may or may not be achieved in the future.\* Source: Bloomberg, as on December 31, 2018



## Nasdaq 100 Index Performance

America's Darling Stocks: Even in this tough economy, the Nasdaq 100 provides outperformance over the S&P 500 Index. Period 31st Dec 2003 – 31st Dec 2018.

CAGR	Nasdaq 100	S&P 500 Index	Nifty Index
l Year	12.53%	11.51%	2.86%
2 Year	18.92%	11.86%	10.25%
3 Year	20.60%	14.38%	15.60%
4 Year	16.38%	11.02%	4.93%
5 Year	17.08%	11.40%	11.44%
7 Year	21.46%	16.65%	10.44%
I 0 Year	24.28%	18.02%	14.59%
I 5 Year	14.43%	9.32%	12.67%

CAGR: Compounded Annual Growth Rate. Source: Internal Analysis and Bloomberg Data – Values Rebased to INR. Data as on 28<sup>th</sup> February 2019. Past performance may or may not be achieved in the future





### Growth 1995 to 2018: Nifty 50 and Nasdaq 100 Index

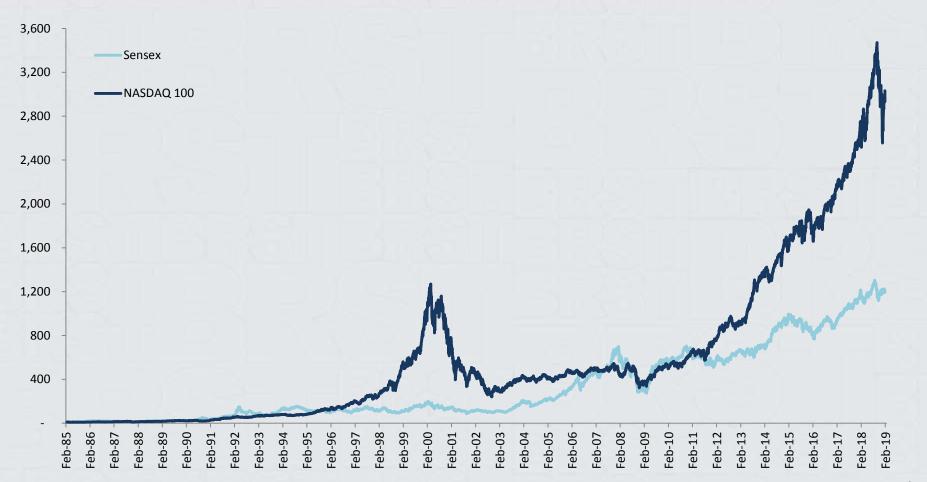


All Index values converted to applicable INR USD exchange rate and values rebased to INR 10000 on 1<sup>st</sup> Jan, 1995 Data Source: Bloomberg; Data as on 28<sup>th</sup> February 2019. Missing values for holidays taken as previous closing index values. Past performance may or may not be achieved in the future The information herein is used for comparison purpose and is illustrative and not sufficient and shouldn't be used for the development or implementation of an investment strategy. It should not be construed as investment advice to any party. Past performance may or may not be sustained in future.

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## Growth 1985 to 2018: Sensex and Nasdaq 100 Index



All Index values converted to applicable INR USD exchange rate and values rebased to INR 10000 on 31<sup>st</sup> Jan, 1985. Data Source: Bloomberg; Data as on 28<sup>th</sup> February 2019. Missing values for holidays taken as previous closing index values Past performance may or may not be achieved in the future

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## Low correlations over 10 years with all Indian segments

### **DIVERSIFY YOUR PORTFOLIO!**

			INDIA		US		EUROPE		ASIA-PACIFIC		
Security		Nifty 50	Nifty MIDCAP 100	Nifty NEXT 50	Nasdaq 100 STOCK	DOW JONES INDUS. AVG	S&P 500	DAX	FTSE 100	NIKKEI 225	HANG SENG (HIS)
	Nifty 50	1.00		) BEE							
INDIA	Nifty MIDCAP 100	0.94	1.00								
	Nifty NEXT 50	0.94	0.98	1.00							
	Nasdaq 100 STOCK	0.62	0.57	0.58	1.00						
US	DOW JONES INDUS. AVG	0.62	0.59	0.59	0.84	1.00					
	S&P 500	0.65	0.60	0.61	0.90	0.97	1.00				
Europo	DAX	0.71	0.70	0.69	0.80	0.83	0.87	1.00			
Europe	FTSE 100	0.68	0.64	0.63	0.76	0.82	0.86	0.86	1.00		<b>=</b> 9 x
1011 01 015	NIKKEI 225	0.59	0.59	0.60	0.62	0.64	0.69	0.70	0.69	1.00	
ASIA-PACIFIC	HANG SENG (HIS)	0.74	0.70	0.70	0.68	0.68	0.71	0.76	0.82	0.58	1.00

Correlation of monthly returns; Period - from December 1, 2008 to December 31, 2018. Source: Calculated from Bloomberg Data – NDX value rebased to INR. Correlation of 20 day rolling returns. Past correlations may not be observed in the future





## Growth with diversification examples

## Inherent diversification benefits with growth

#### **Facebook**

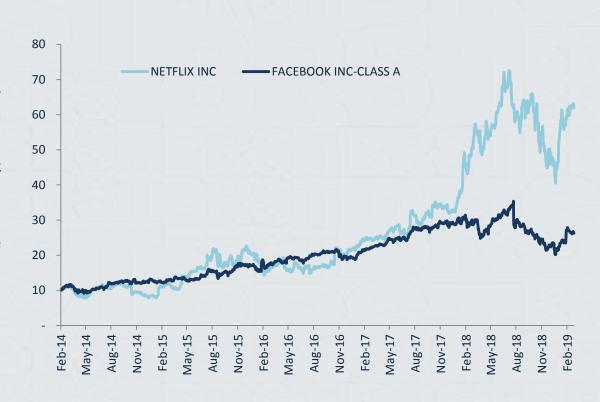
Facebook, Inc. operates a social networking website. The Company website allows people to communicate with their family, friends, and co-workers.

Facebook has grown 14.7% p.a in the past 3 years and 18.7% p.a in the past 5 years.

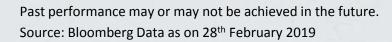
## Netflix Inc. (E-Commerce Discretionary)

Netflix Inc. is an Internet subscription service for watching television shows and movies.

Netflix Inc. has grown 56.5% p.a CAGR in the past 3 years and 41.3% p.a CAGR in the past 5 years.









## Growth with diversification examples

## Inherent diversification benefits with growth

### **NVIDIA** Corp

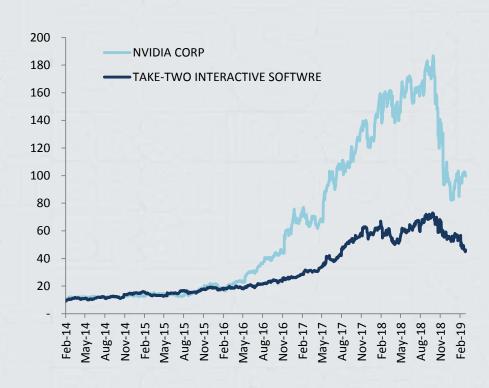
NVIDIA Corporation designs, develops, and markets three dimensional (3D) graphics processors and related software. The Company's products provide interactive 3D graphics to the mainstream personal computer market.

NVIDIA Corp has grown 70.1% p.a in the past 3 years and 53.0% p.a in the past 5 years.

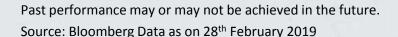
#### Take-Two Interactive Software, Inc.

Take-Two Interactive Software, Inc. develops, markets, distributes, and publishes interactive entertainment software games and accessories. The Company's products are for console systems, handheld gaming systems and personal computers and are delivered through physical retail, digital download, online, and cloud streaming services..

Take-Two Interactive Software, Inc. has grown 34.4% p.a CAGR in the past 3 years and 34.6% p.a CAGR in the past 5 years.

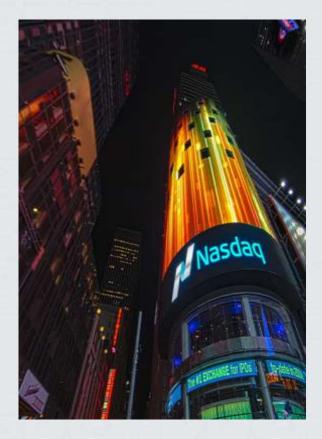








## Motilal Oswal Nasdaq I 00 ETF



#### I. India's 1st US Equity based ETF

- a. Rupee denominated investment
- b. For Investor, it does not fall under foreign investment cap of \$250k.
- 2. Indian market hours access Motilal Oswal Nasdaq 100 trades during Indian market hours.
  - a. Real-time iNAV published
- 3. Investment:
  - a. Passive Investing: no discretion with fund manager.
  - b. Transparent portfolio.
  - c. Listed on NSE and BSE.
- 4. A mutual fund scheme with the convenience of real time liquidity and prices
  - Low cost structure: Total Expense Ratio (TER) of 0.50% p.a.
     Traditional investment products have TER > 2% p.a.
  - No loads (no entry load, no exit load)
- 5. Taxed as 'investment other than equity oriented fund' (i.e. debt taxation with/without indexation benefits).
- 6. Fund Manager: Mr. Swapnil P. Mayekar
- 7. Mr. Mayekar has 10 years of experience in the financial services industry. He has been part of fund management & product development team for Motilal Oswal Asset Management Company Limited (Mutual Fund) for last 5 years. He has done his post-graduation in Commerce (Finance Management) from University of Mumbai.

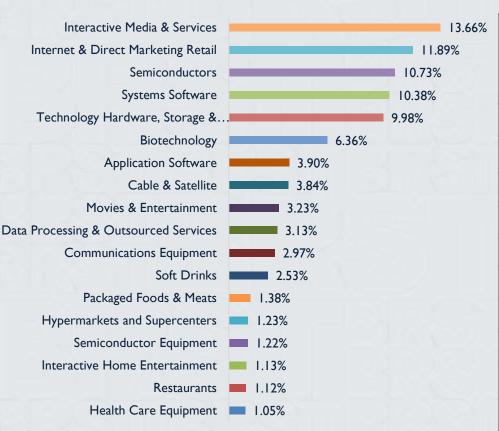




## Motilal Oswal Nasdaq I 00 ETF Portfolio

### Sector Allocation

### Top 10 Holdings



Sr. No.	Name of Instrument	Weightage
T	Microsoft Corporation	9.95%
2	Apple	9.59%
3	Amazon.com	9.29%
4	Facebook	4.57%
5	Alphabet	4.54%
6	Alphabet Class A	3.98%
7	Intel Corporation	3.11%
8	Cisco Systems	2.97%
9	Comcast Corporation Class A	2.24%
10	Pepsico	2.11%

Data as on 28th February 2019





## About Motilal Oswal Nasdaq 100 ETF

Scheme Name	Motilal Oswal Nasdaq 100 ETF (MOFN100)
Type of Scheme	An open-ended scheme replicating Nasdaq 100 Index
Investment Objective	The Scheme seeks investment return that corresponds (before fees and expenses) generally to the performance of the Nasdaq 100 Index, subject to tracking error. However, there can be no assurance or guarantee that the investment objective would be achieved
Benchmark	Nasdaq 100 TRI
	On NSE & BSE: Investors can buy/ sell units of the Scheme in round lot of 1 unit and in multiples thereof
Continuous Offer	Directly with the Mutual Fund: Investors can buy/ sell units of the Scheme only in creation unit size, i.e. 25,000 units an in multiples thereafter

NSE Symbol/BSE Code	N100
Bloomberg Code	MOSTNDX
Reuters Code	N100.NS or N100.BO

ISIN Code	INF247L01031
Entry Load	N. A.
Exit Load	NIL

Date of Allotment	March 29 2011
NAV (INR)	Rs 493.6225
Latest AUM (28 <sup>th</sup> February 2019)	Rs 133.94 crore
Tracking Error*	0.13%(Annualised)
Total Expense Ratio^	0.50% p.a.
Standard Deviation	14.93 (Annualised)
Sharpe Ratio#	0.87 (Annualised)
Portfolio Turnover Ratio	0.0034
Beta	0.97

<sup>\*</sup>Against the benchmark with Nasdaq 100 TRI

# Risk free returns based on 365-days T bill cut-off of 6.35% as on the last auction. (Data as on  $28^{th}$  February 2019)

<sup>^</sup>Year-to-date

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•Statutory Details: Constitution: Motilal Oswal Mutual Fund has been set up as a trust under the Indian Trust Act, 1882. Trustee: Motilal Oswal Trustee Company Limited. Investment Manager: Motilal Oswal Asset Management Company Ltd. Sponsor: Motilal Oswal Financial Services Ltd. Scheme Classification & Investment Objective: Motilal Oswal Nasdaq 100 ETF (MOFN100), an open ended scheme replicating the Nasdaq 100 Index that seeks investment return that corresponds (before fees and expenses) generally to the performance of the Nasdaq-100 Index, subject to tracking error. Asset Allocation: Securities constituting Nasdaq-100 Index: 95%-100%; Overseas Debt and Money market instruments and cash at call, mutual fund schemes or exchange traded funds based on Nasdaq-100 Index: 0-5%. Load: Entry Load: Nil Exit Load: Nil Terms of Issue: Minimum Application Amount: During NFO, Rs. 10,000/- and in multiples of Re. I/- each. Ongoing Basis, On the Exchange: The units of the Scheme are proposed to be listed on the Capital Market Segment of National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Ltd. (BSE). On the Exchange, the units of the Scheme can be purchased/sold in minimum lot of I unit and in multiples thereafter. Directly with the Fund: The minimum number of units of the Scheme that investors can create/redeem in exchange of portfolio deposit and cash component is 100,000 units and in multiples thereof. Face Value & Issue Price: Offer of units having face value of Rs. 10/- per unit for cash at a premium approximately equal to the difference between the face value of Rs. 10/- each and allotment price i.e. I/1000th of the value of Nasdaq-100 Index during the New Fund Offer and at NAV based prices during continuous offer. Investor Benefits and General Services: During continuous offer, sale and redemption of units of the Scheme would be at NAV based prices on all business days. NAVs to be declared on all business days. Risk Factors: (1) All Mutual Funds and securities investments are subject to market risks and there can be no assurance that the Scheme's objectives will be achieved (2) As the price/value/interest rates of the securities in which the Scheme invests fluctuates, the Net Asset Value (NAV) of the Scheme may go up or down depending upon the factors and forces affecting the securities market (3) Past performance of the Sponsor/AMC/Mutual Fund and its affiliates does not indicate the future performance of the Scheme and may not provide a basis of comparison with other investments (4) Motilal Oswal Nasdaq 100 ETF (MOFN100) is only the name of the Scheme and does not in any manner indicate either the quality of the Scheme, its future prospects and returns. Investors are therefore urged to study the terms of offer carefully and consult their Investment Advisor before they invest in the Scheme (5) The Sponsor is not responsible or liable for any loss or shortfall resulting from the operation of the Mutual Fund beyond the initial contribution made by it of an amount of Rs. I Lac towards setting up of the Mutual Fund (6) The present Scheme is not a guaranteed or assured return Scheme. (7) Investment in the scheme shall be subject to various other risk factors including but not limited to risk associated with investment in foreign securities, derivatives, currency risk, exchange rate risk, tracking error risk, etc. Disclaimer of Nasdaq-100: Nasdaq®, OMX®, Nasdaq OMX®, Nasdaq-100®, and Nasdaq-100 Index®, are registered trademarks of The Nasdaq OMX Group, Inc. (which with its affiliates is referred to as the "Corporations") and are licensed for use by MOAMC. 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Mutual fund investments are subject to market risks, please read all scheme related documents carefully.

## THANKYOU

