

# IMPACT

INNOVATIVE MANAGEMENT PRACTICES  
AND CREATIVE THINKING

A JOURNAL FOR MANAGEMENT PEOPLE



**BUDGET  
HIGHLIGHTS**



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# Greetings from **IMPACT**



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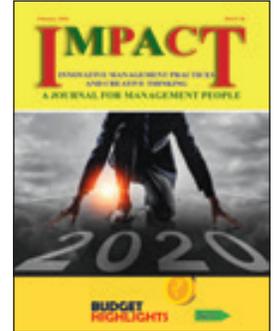
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Dear Readers,

Budget 2020 by our Finance Minister of India Mrs. Nirmala Seetharaman created waves.

As usual except the ruling party all other opposition political party leaders criticized the 2020 budget.

TV Channels conducted hot debates favouring and opposing based on which side of the political side they are in.

Once upon a time, Media was called as 5<sup>th</sup> Estate and they used to make the people to arrive at their own conclusions and judgements based on the media's unbiased reporting of news.

Now that scenario has completely changed. The competition amongst the media houses creates BREAKING NEWS and they vie with each other to really break the actual news to pieces, pushing the viewers and readers for a spin.

In the above mille, even the print media take their share of sensationalism and take the true readers who want to know the real news for a ride.

Truly 2020 started with 20-20 duel.

IMPACT stands solidly, boldly and distinctly different from the above Media War Zone, giving their readers the true versions of unbiased content.

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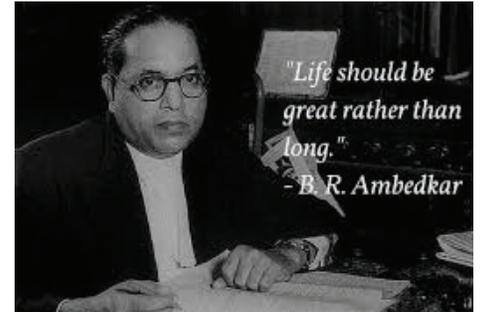
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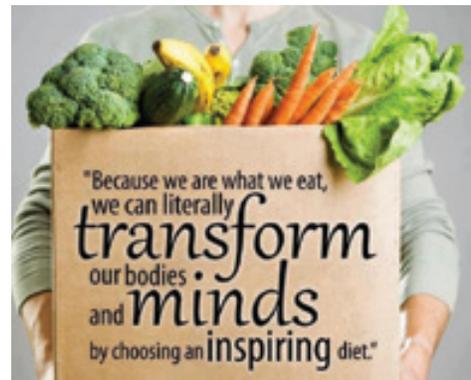
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## Union Finance Budget- 2020-21

# Want to have the Cake and Eat it too?

The Union Finance Budget presented on February 1, 2020 at the Parliament has reminded many income tax payers, especially the salary earners the maxim “You can’t have the cake and eat it too!” Yes, no doubt, the Finance Minister has announced a good reduction in the income tax rates for different slabs of income but they have come with the rider that if you want this facility, you have to forego all the tax exemptions and concessions so far allowed under the old system. What will you do?

### A few salient features of the Budget

- The Theme is Aspirational India, Economic Development and a Caring society.
- New simplified Personal income tax regime.
- New income tax rates will be optional.
- Dividend Distribution Tax- DDT- to be removed, dividend to be taxed in the hands of the recipient, dividend will be tax free in the hands of the holding company.
- Government proposes to sell part of its stake in the Life Insurance Corporation of India- LIC.
- Tax holiday for affordable housing projects extended by one more year up to 31-3-2021.
- 100 more airports to be developed by 2025 to support UDAN Scheme.

- Insurance cover for Bank Deposits to be increased to Rs 5 lacs from the present Rs one lac.
- Rs 20000 crore for the Renewable Energy sector.

### The New IT Structure

Income tax Slab	Existing rate	New rate
Up to Rs 250000	Nil	Nil
Rs 250001 to 500000	20%	10%
Rs 5 to 7.5 lacs	20%	10%
Rs 7.5 to 10 lacs	20%	15%
Rs 10 to 12.5 lacs	30%	20%
Rs 12.5 to 15 lacs	30%	25%
Above Rs 15 lacs	30%	30%

These new rates are optional in the sense that if the tax payer forgoes all the tax exemptions.

The actual tax amounts and savings are given in the following table:

Income	Tax in the old	Tax in the new	Savings in the new system
5 L	Nil	Nil	Nil
6 L	33800	23400	10400
7.5 L	65000	39000	26000
10 L	117000	78000	39000
12.5 L	195000	130000	65000
15 L	273000	195000	78000
50 L	1287000	1365000	No saving- 78000 higher than old
1 Crore	3217500	3131700	85000

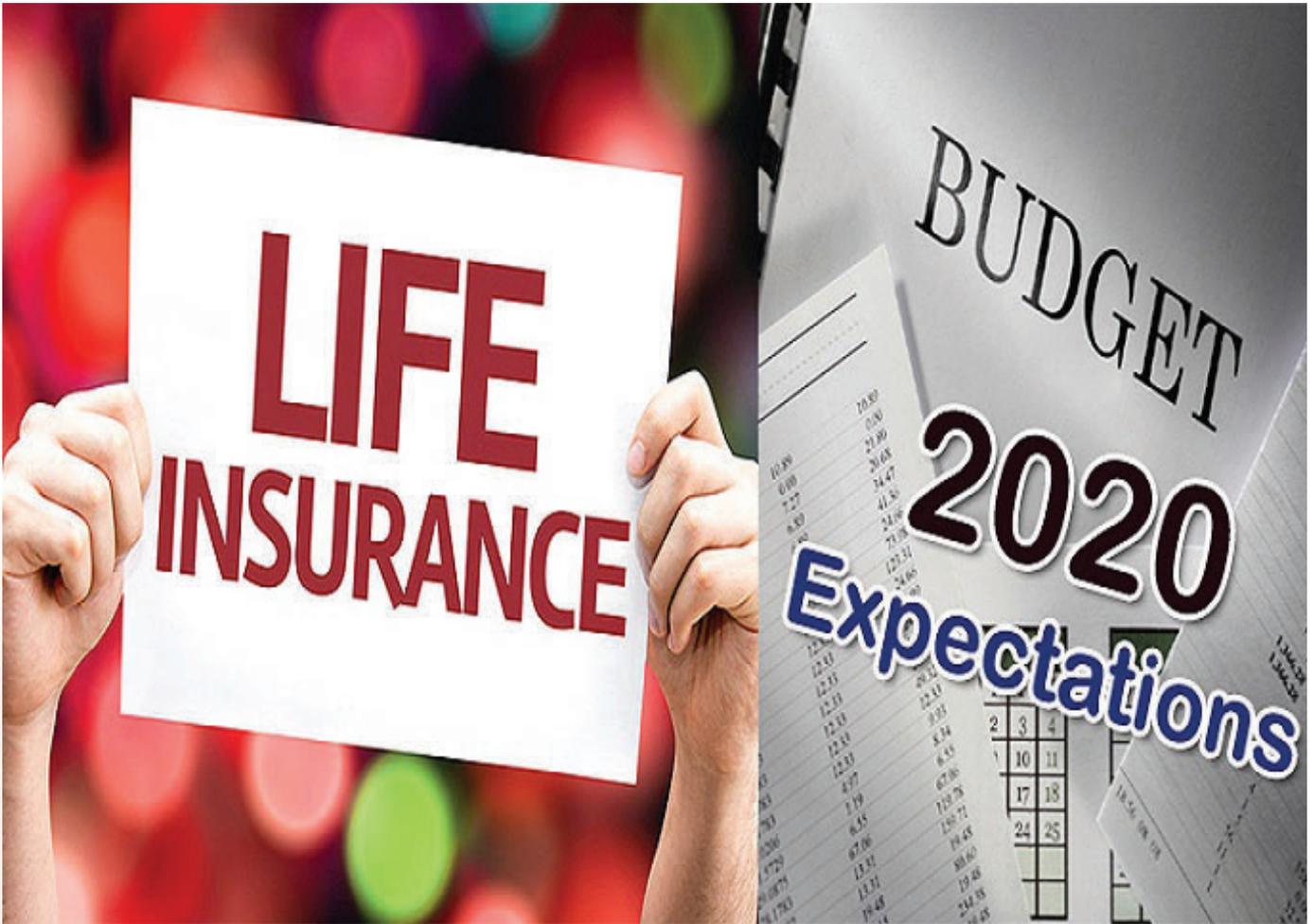
The savings are given keeping certain amounts as investments under the old system.

## Main Tax Exemptions

1. Leave Travel allowance exemption currently available to salaried employees twice in a Block of 4 years.
2. House Rent Allowance payable to the salaried employees, tax exempt up to certain specified limits if the individual stays in a rented accommodation.



3. Standard Deduction of Rs 50000 currently available to the salaried tax payers.
4. Deduction for entertainment allowance and employment/profession tax as contained in Section 16.
5. Tax benefit on interest paid on housing loan taken for a self-occupied or vacant house property. This claimed as a deduction from income from house property.
6. Deduction of Rs 15000 allowed from Family Pension under Section 57.
7. Section 80C deductions like the Provident Fund contributions, life insurance premium, school tuition fee for children and various specified investments such as ELSS, NPS, PPF etc with a maximum limit of Rs 150000.
8. However deduction of the Employer's contribution on account of employee in notified Pension Scheme- mostly NPS- can still be claimed.



9. Deduction claimed for the medical insurance premium under Section 80D will also not be claimable.
10. Tax benefits for disability under Sections 80 DD and 80 DDB will not be claimable.
11. Tax break on interest paid on education loan under Section 80 E will not be claimable.

12. Tax break on donations to charitable institutions under Section 80 G will not be available.
13. All deductions under chapter VIA- like Section 80C, 80 CCC, 80 CCD, 80 D, 80 DD, 80 DDB, 80 E, 80 EE, 80 EEA, 80 EEB, 80 G, 80 GG, 80 GGA, 80 GGC, 80 IA, 80 IAB, 80 IAC, 80 IB, 80 IBA etc will not be claimable by those opting for the new tax regime.



### The After Effects

Sales of life and health insurance policies which qualify for income tax breaks are expected to take a big blow in view the new tax regime, since people choosing it, may have to forego these exemptions and hence either discontinue their existing policies or avoid taking new policies. Many people take

policies only for income tax benefits during March every year and very few take for risk coverage. Already penetration of insurance is quite low when compared to many countries and now the position can be imagined.

Equity Linked Savings Scheme- ELSS- tax saving instruments offered by Mutual Funds will also take a huge hit in view of the new tax regime.

The same is the case with PPF, tax saving bank deposits and National Saving Certificates.

## The Silver Linings

However let us not lose heart.

The new tax regime is advantageous only for Senior Citizens, who do not so much money to spare for policies or PPF in order to avail of Section 80 C benefits and would have already paid off their housing loans etc and hence they may switch over to the lower income tax rates.

Similarly the employed youth who are in the threshold of their career may opt for the new tax regime, because they have no much cash left for savings and they need more money in hand for their enjoyment and social life. These people would prefer the lower income tax rates instead of the old system, since anyways they have not contributed much for Section 80 C. Moreover these youth have many EMIs to pay like housing loans, personal loans, vehicle loans etc.

The lower income tax rates are available only up to an income level of Rs 15 lacs under the new tax regime and the rates remain the same beyond Rs 15 lacs. Hence those people who have an income of more than Rs 15 lacs have no incentive to switch over to the new tax regime and will continue under the old system only with all exemptions intact.

These are our target audience for life insurance purposes.

## The Tax Charter

This is perhaps the first time that the Government gives an option to the income tax payers to choose between the old higher income tax rates coupled with exemptions and lower income tax rates with no exemptions.

The choice is ours. We have to examine each case and take a decision. But once an option is chosen, there is no going back.

May be, our insurance agents have to become tax experts and advise each of their clients sensibly and win their hearts. This will pave the way for people to choose life insurance for its own sake and not for the benefit of income tax concessions.

This is the objective of the Government too to do away with all the tax concessions and exemptions in the course of a few years so that life insurance will be purchased for insurance sake only.

So let us welcome this New Experiment of the Tax Charter with open arms in this New Era and New Decade.

Note- I gratefully acknowledge the information given in the Times of India newspapers dated February 2 and 3 for the purpose of Figures given in this article.

### R. Venugopal

*Mr. Venugopal has served in LIC of India from 1968 to 2006 for 38 years and retired as an Executive Director.*



# 5 Interesting Links Between Music and Language

**W**hether it's spoken, signed or written, language is a human universal. Did you know the music is not far behind? There are very few cultures (if any) in the world that do not have music of some sort. Music and language have closer links than just being something we all do, though. Let's take a look at five interesting things you might not know music and language had in common.

## **Both are forms of social bonding**

Music has traditionally been associated with bringing people together. Whether it's through a shared emotional experience, appreciation of an art form, or as part of a ceremony or ritual, music is usually a group activity. Language is the same — most people don't speak to themselves, it takes two or more people to communicate.



## **Musicians process music as language**

Studies have shown the same area of the brain is active with musicians listening to music and listening to language. The area is called the left *planum temporale* and is generally thought to be where we process language. Interestingly, when non-musicians listen to music, they do not process it in the same area as language. This suggests that while we can all process language in a similar way, it takes practice to process music on a deeper level.

## **People remember music in the same way as speech**

Think about a memorable voice, someone close to you. You tell that voice apart from someone else even if they were saying the same words, right? The same is the case for music. Even without words, we can tell the difference between different people playing the same piece of music. The way our brain processes language and music is more than simply recognising words or notes, it's highly complex and uses similar areas of the brain again.

## **Music helps your grammar and vocabulary**

In a study in 2010, it was shown that people who studied music before the age of seven developed larger vocabularies and a better understanding of grammar than those who didn't. It's also commonly thought that those who learn a musical instrument at a young age find it easier to learn second languages later in life.

## **Music and language keep your brain fit**

There have been many studies into the links between learning music or a second language and a lower risk of dementia in old age. So, if you want to keep your brain healthy, learning music or a second language might help.

*Source: <https://englishlive.ef.com>*

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# Lighter side of Dr. B.R. Ambedkar

Many are not aware of the lighter side of Dr. B.R. Ambedkar who had piloted all the Articles of the original Constitution, except of course, Article 370 which he refused to pilot.

Here is an instance of Dr. Ambedkar's subtle sense of humour with which he could silence his co members in the Constituent Assembly. On 10th June 1949, Dr. B.R. Ambedkar introduced a purely technical Article (Art 115) which elaborates the need for 'Appropriation bills' for additional or excess grants of money for the Govt of the day. Several members of the Constituent Assembly got up and complained that the Article did not make any sense to them.

Hon Dr. B.R. Ambedkar, in reply said: Mr. President (Dr. Babu Rajendra Prasad) Sir, I find that the financial provisions which are placed before this House have given considerable worry to the Members. I can appreciate that, for I remember that when Mr. Churchill's father became the Lord

Chancellor, a budget was placed before him showing figures in decimals and dots thereon. Evidently he was not a student of mathematics and could not understand what the figures meant with dots in them. So he wrote on the file, 'What do these damned dots mean?', asking for an explanation from the Secretary of the Finance Department. Having regard to such difficulty of understanding from persons so highly placed as Mr. Churchill's father, I am not at all surprised if the Members of this House also find similar difficulty in understanding these provisions. I should therefore like to go somewhat into elementary propositions in order to place the House in a right frame of mind". Thereafter, Dr. Ambedkar explained to the members lucidly, all the details of Art 115, which was later passed unanimously in the Constituent Assembly!



**Dr. H.V. Hande**

*Former Health Minister of  
Government of Tamilnadu.  
Founder & Director of  
Hande Hospital.*



# Are Books Superior to TV? How They Affect Our Minds in Different Ways

There's a perception that books are good, while TV is bad. Spend a day curled up with a book and you're an intellectual, but spend a day watching your favorite show and you become a couch potato.

Similar to how candy gives you cavities and sun tanning is bad for our skin, it's common knowledge that reading books is good for you. It increases your knowledge and makes you think. Watching television on the other hand kills off brain cells.

But why is that? Why can't watching TV be just as educational as reading a book? For example, does watching the show Game of Thrones lower your intelligence, while reading the books does the exact opposite?

After all, there are all sorts of books. Some good, some poorly written. The same applies to shows as well. Is the situation as simple as categorizing books as good and TV as bad?

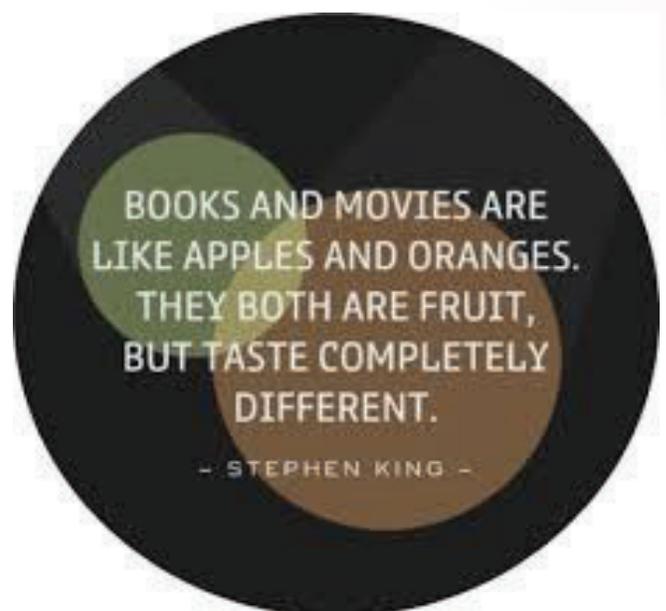
## What Science Says About Books and Television

In 2013, a study was performed at Tohoku University in Japan. A team led by Hiraku Takeuchi examined the effects of television on the brains of

276 children, along with amount of time spent watching TV and its long-term effects.

Researcher Takeuchi found that the more TV the kids watched, parts of their brain associated with higher arousal and aggression levels became thicker. The frontal lobe also thickened, which is known to lower verbal reasoning ability.

The more hours of television the kids watched, the lower their verbal test results became. These negative effects in the brain happened regardless of the child's age, gender, and economic background.



In the same year, a study was done on how reading a novel affected the brain. Gregory Burns and his colleagues at Emory University wanted to see the before and after effects of reading based on fMRI readings.

College students were asked to read Pompeii by Robert Harris, a thriller based on the eruption of Mount Vesuvius in Italy. The book was chosen due to its strong narration and a dramatic plot based on true events.

After reading the novel, the students had increased connectivity in parts of the brain that were related to language. There was also increased activity in the sensory motor region of the brain, suggesting that readers experienced similar sensations to the characters in the book.

There are also long-term effects from reading books. Reading keeps your mind alert and delays cognitive decline in elders. Research even found that Alzheimer's is 2.5 times less likely to appear in elderly people who read regularly, while TV was presented as a risk factor.

Six minutes of reading can reduce stress levels by 68 percent, according to researchers at the University of Sussex. Reading beat out other relaxing activities, including listening to music (61 percent), drinking tea or coffee (54 percent), and taking a walk (42 percent).

## Why These Activities Have Opposite Effects on Us

So far, reading's looking pretty good compared to television. We can see that it calms the nerves, increases language and reasoning, and can even keep you mentally alert as you age. TV, on the other hand, has the opposite effect.

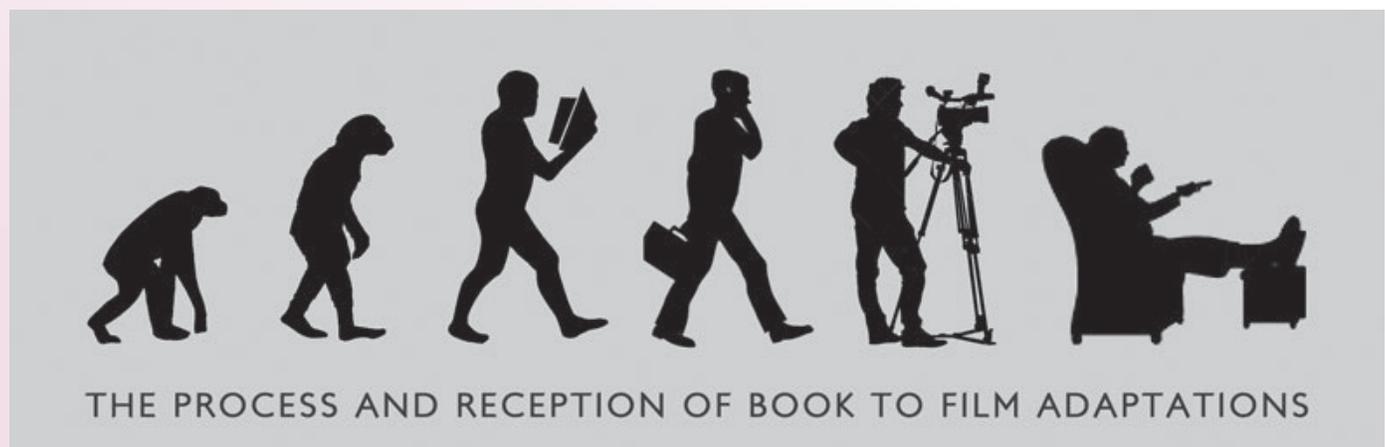
But we still haven't gotten to why that's the case.

Let's look first at a study on how preschoolers and toddlers interact with their mothers during TV viewing versus reading a book.

The results found that watching TV resulted in lower amounts and quality of communication between the mother and child. During an educational TV program, mothers made few comments to their children, and if they did, it was unrelated to what their children said.

On the other hand, reading books together increased the amount and level of communication. Mothers were more likely to ask their child questions, respond to their child's statements and questions, and explain concepts in greater detail.

Beyond mothers and their children, it's not just an issue of the quality of the TV program or the book. It seems that the nature of the activities themselves is what's causing the differences.





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## The emergence of television



"The remarkable thing about TV is that it permits several million people to laugh at the same joke and still I feel lonely." T.S. Eliot

- Television became dominant medium for mass communication
  - 1946: 7,000 TV sets existed in the U.S.
  - 1948: 148,000 sets
  - 1950: 4.4 million sets
  - Television vs. books – debate over bringing television into schools because reading level of students was dropping
- The importance of books and the freedom to read them was a central concern of liberal-minded people during the 1950s.

Television is designed to be passive. After switching to the show you like, you can just sit back and watch everything unfold without effort on your part. You're less likely to pause to reflect on what's happening.

TV also presents ideas and characters on a surface level. Shows don't have the luxury of describing or explaining situations in great detail, since they need to keep viewers visually entertained. TV programs are fast-paced in order to keep people from switching.

Books, on the other hand, are a more proactive form of entertainment and learning. The reader has to concentrate on what's being said and to think through concepts in the book. When we read, we're forced to use our imaginations to fill in the gaps.

Books also have the advantage of being able to describe everything in greater depth. While television is mostly composed of dialogue between characters, books can walk readers through scenes, characters' thoughts, and provide lengthier commentary.

So now that we've seen the benefits of reading, how can we fit more of it into our lives?

### **Break Away From Your Environment**

If you're glued to the television set constantly, it's largely because of the environment that that you're in. Surround yourself with people who talk about TV shows, and you'll be more likely to watch them yourself. Place yourself within arm's reach of a remote, and it becomes easier to watch TV. Flip on

the switch as soon as you get home, then it becomes a habit.

So how can you go from watching TV to reading something that will help you grow as a person?

The first thing you can do to break the habit is to change your environment. Being in the same environment for a long time encourages you to keep doing the same things. But go to a completely new place, and you immediately drop your habits.

For instance, if you travel somewhere, you immediately have to adapt and create different habits. You're exposed to a different way of life, and your everyday activities change drastically. Your TV watching habit can easily go from 5 hours a day to zero when you're in a new environment.

While it might not be feasible to move somewhere new, you can take a brief vacation from your routine. Taking a break and traveling gives you a different perspective on everyday life, and it also forces you to develop new routines. When you return home, you can start fresh on your habits.

You can also break away from your environment by re-arranging your current space. Using the concept of environmental cues, I recommend setting up your office and entertainment space so that it's easier to pick up productive activities.

## Choose the Right Books

The next thing you can do is pick the books that will give you the most value out of your time. If you have a choice between an e-book and a paper book, choose the latter.

Here are a few reasons why paper books are better:

1. Readers who use paper books have an easier time remembering the content than tablet readers. Traditional books provide a sense of progress as readers flip through the pages,

along with greater immersion (i.e. you can't click away from your book), which is key to absorbing information.

2. Light from e-readers interferes with sleeping patterns, while paper books actually help you sleep better.
3. Using electronic devices such as e-readers is linked to higher stress and depression levels. Traditional books, on the other hand, help reduce stress.

If you're not sure when to fit in some reading, try setting aside time in the morning or evenings.

For myself, I like to dedicate half an hour before bed to read a book. It's not a big chunk of time, and it also helps me wind down before it's time to sleep.

During the day, I often bring a book with me when I head out in case I need to wait or have a moment to spare.

If you're stuck on what to read, you can try going through my book list and seeing what interests you. I have found that reading a good book helps me to de-stress and gives me new ideas for improving myself.

If books bring back dreary memories of mandatory reading in school, try picking a book on a topic that interests you. I think you'll find that reading rewards your personal growth in ways that television can't replace.

*Source: <http://jumpstartyourdreamlife.com>*

Melissa Chu



# Strategies to Beat Entrepreneurial Anxiety and EXCEL

Entrepreneurs are just as susceptible to anxiety and depression as the rest of the population, if not more so, to mental illnesses such as bipolar disorder, schizophrenia, and more. Entrepreneurs often juggle many roles and face countless setbacks—lost customers, disputes with partners, increased competition, staffing problems—all while struggling to make payroll. “There are traumatic events all the way along the line,” says psychiatrist and former entrepreneur Michael A. Freeman, who is researching mental health and entrepreneurship. Anxiety and depression disorders are on the rise. Generalized anxiety is common, as are social and specific phobias and panic attacks. If you ignore these, they can escalate into more serious conditions. They can become resistant to

first-line strategies such as self-care, changing your self-talk, and grounding techniques. Some strategies which could be useful for entrepreneurs to beat Entrepreneurial Anxiety, refocus and excel are listed below.

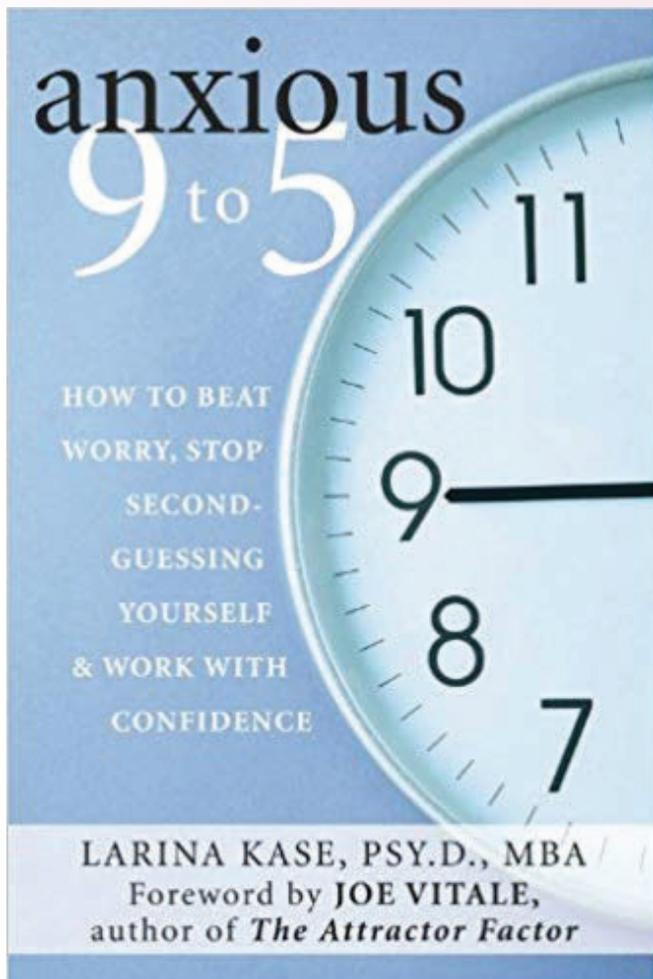
## **1. Check your attitudes about mental health.**

Too many of us have internalized a belief in the myth of mental illness as a sign of weakness. That stigma can cause a lot of damage. For example, it can prevent people from seeking out and obtaining the medical care they need. That reluctance merely keeps perpetuating the stigma and making it harder for others to speak out when they need help. Mental health is just as critical as physical health for the entrepreneur. If you're not in a state of good health mentally or emotionally, it's important to seek medical care. You wouldn't ignore a broken arm or a lingering viral infection that just won't go away. For the same reason, it's important to be proactive when it comes to your mental health.

## **2. Understand why entrepreneurs are more susceptible to anxiety and depression.**

The same character traits which make people choose entrepreneurship and fuel our success





as entrepreneurs can make them vulnerable to depression and anxiety. Additionally, we tend to find ourselves surrounded by the very environmental factors that make it harder for us to practice good self-care and positive mental health habits. We endure long hours, sleep deprivation, poor nutrition, too much caffeine and too little sleep as a matter of habit. Couple this frenetic lifestyle with cash

constraints that can prevent us from seeking mental health care and it's easy to see why entrepreneurs often face a higher mental health risk.

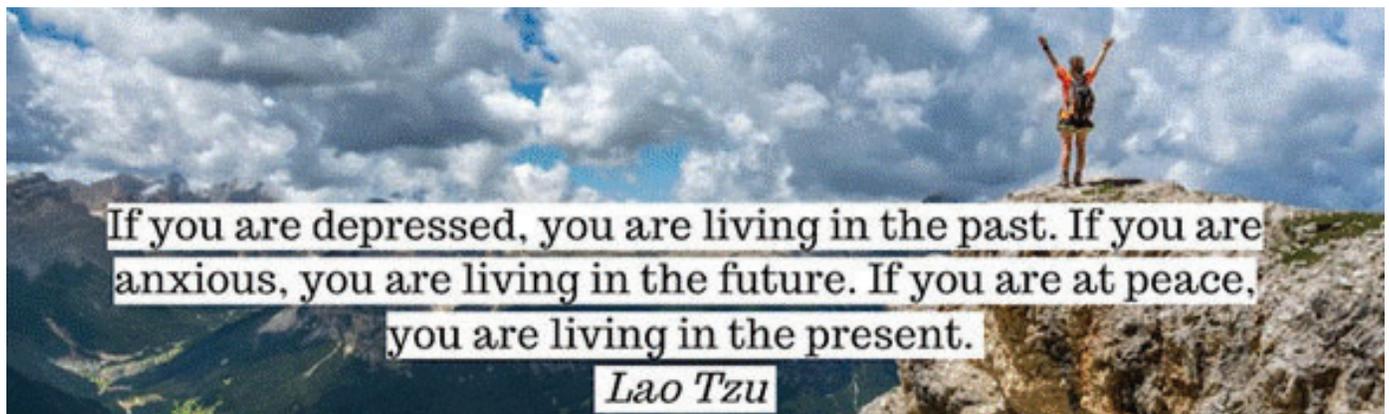
### **3. Recognize the risks.**

The mental health of all your employees is important to company productivity and success. Yet it's undeniably true that when the person struggling is the boss, it's even more crucial to address the issue promptly with a targeted treatment plan.

For example, narcissistic perfectionists can be dangerous to a business, especially if they're the owner or CEO. People with this diagnosis are often considered socially toxic, with an overblown sense of entitlement. Their extremely high expectations all make it impossible to please this kind of boss. So, if this describes you, you may be creating a toxic work environment without being aware of it. Eventually, you could lose your best talent and find it difficult to hire replacements.

### **4. Know your options.**

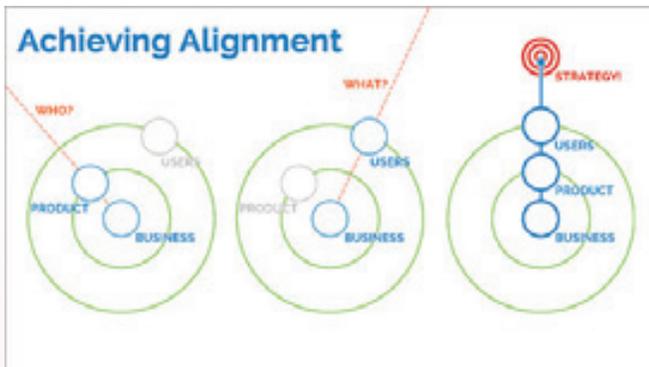
Regardless of your specific symptoms and concerns, you have many options you can turn to for help. Most people first explore traditional counseling and therapy. You may also want to research the roles that nutrition, exercise and other forms of self-care play in maintaining or regaining mental health. A mental illness diagnosis does not mean your career as an entrepreneur is over.



The important thing is to recognize symptoms promptly and get the right kind of help to restore balance and peace to your life.

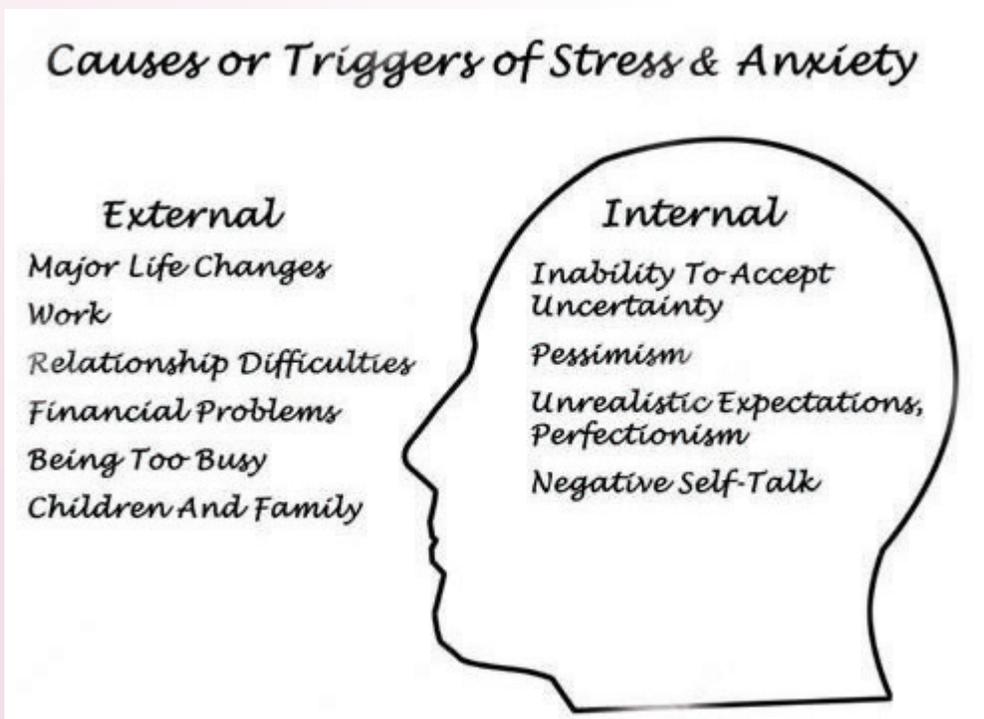
### 5. Identify areas of misalignment.

Avoid “comparison syndrome,” when you believe you need to follow what others do, especially if it’s misaligned with your values.



### 6. Audit your anxiety triggers.

Create a list of all the people in your life and next to each name putting a positive mark if the person reduces your anxiety, or a negative mark if



the person increases it. Then list the 10 people you spend the most time with alongside your top five goals and values. Are the lists congruent?

Un-follow, de-friend, mute, or block any negative influence on social media. This may help you to block unwanted contacts and subsequently leading you not to lose precious minutes dealing with ‘energy vampires,’ negative people, and gossips.

### 7. Structure your day.

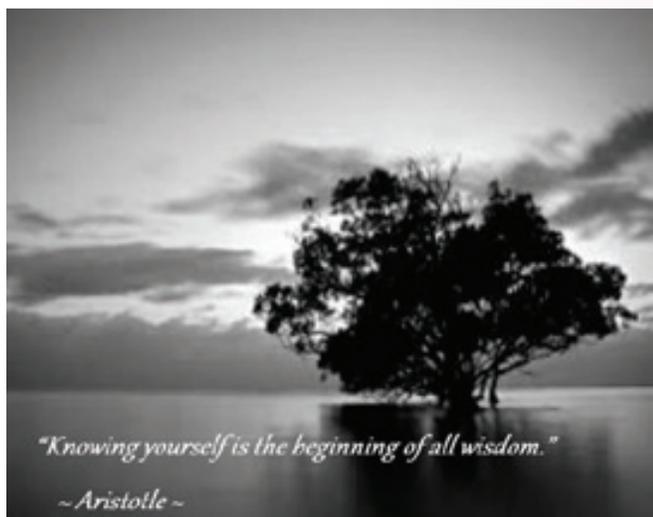
Go to sleep and get up at the same time every day, seven days a week, and never hit the snooze button as when you choose to snooze, you’re telling your hopes and dreams that they can wait.

Next, read or listen to something positive. Then get stuff done (GSD) on your most important task (MIT) before even looking at email or social media. If you focus on other people’s urgent requests or ‘emergencies,’ you will never achieve your own goals.

After a productive day, plan your next day. Begin with a 10-minute brain dump, prioritizing everything from most to least important. Remember: if you're making a to-do list in the morning, you're already too late!

## 8. Have daily introspection.

Self-reflection is one of the best tools to identify 'cause and effect' connections between your behaviors and problems.



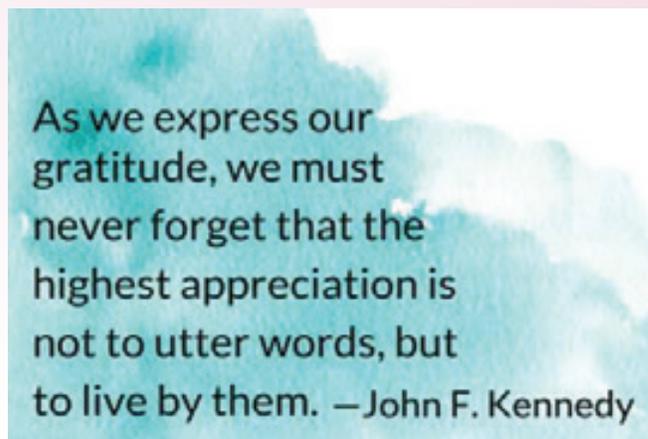
Review your day before going to bed by asking yourself, 'Why was I so anxious?' Maybe it was too much caffeine. Perhaps the glass of wine you drank the night before to 'relax' actually interrupted your sleep and made you wake up late. Maybe checking email or social media first thing threw you into a reactive mode and sucked one hour from your day."

## 9. Breathe properly.

When stressed, most people hunch over and take short, shallow breaths which resemble mild hyperventilation. Instead, sit upright, breathe through your belly — in for four seconds, hold your breath for seven seconds, and breathe out for eight seconds — then repeat. This technique will calm your body and mind in just one to three minutes.

## 10. Practice gratitude.

"Start with being thankful for daily accomplishments, like closing a deal, writing 500 words of content, or finally having a difficult conversation. Soon, it will be easier to recognize all the positive things and people in your life."



## 11. Take time to thank others.

Every day in our life we have several things to thank friends, family, and colleagues.

***"Make it a habit to tell people thank you. To express your appreciation, sincerely and without the expectation of anything in return. Truly appreciate those around you, and you'll soon find many others around you. Truly appreciate life, and you'll find that you have more of it."***

**Ralph Marston**

## 12. Delegate.

"Hard-working entrepreneurs, especially those from humble beginnings, think they have to do everything themselves," says Ballantyne in his book, *Unstoppable*.



Make the short-term investment of hiring and training someone to help. You're not living in the same era as your parents, who did everything themselves. You have permission to let go of the guilt and focus on what matters.



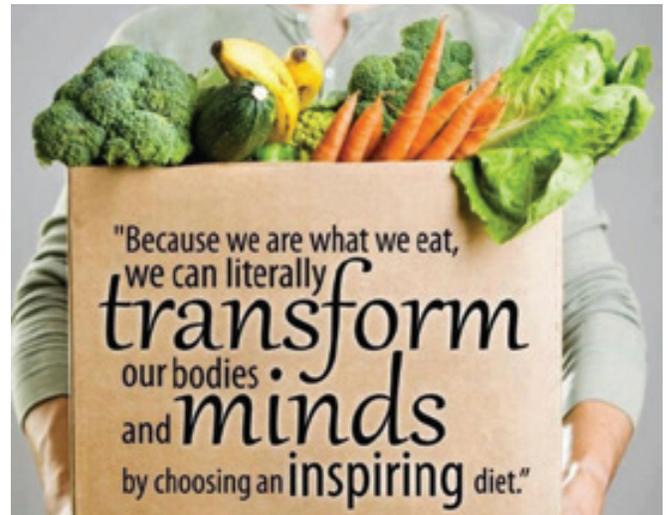
### 13. Say no.

Run opportunities through the filter of your values. For example, if your family is your top priority, set a boundary that you don't work or travel for business on Sundays, or commit to a 'device-free family day' to be fully present with your loved ones.

### 14. Clean up your diet.

What you put in your body causes physiological effects that quickly change how you feel and perform.

"For example, caffeine is a stimulant which increases adrenaline, and subsequently anxiety. Alcohol can dehydrate you, and also increases anxiety."



### 15. Talk to someone.

Suffering in silence exacerbates anxiety talking to someone eases your fears and calms you. I think everyone should also see a therapist. Something insignificant might be one hundred times more influential than you think.

Your choices and actions either move you closer to or further away from your goals. If you don't know where to start, remember - Action Beats Anxiety. Motion Beats Meditation. Work Beats Worry.

**Syed Fazlullah Khan**

*Certified Project Manager (IPMA C) and MRICS with over 3 decades of qualitative experience in the Construction Industry. Currently working with ETA Properties & Investments Pvt.Ltd., Chennai as Head - Projects.*





## BUDGET AT A GLANCE



### New income tax slabs

Income Rs 5 lakh	no tax
Income Rs 5 lakh-7.5 lakh per annum	10%
Income Rs 7.5 lakh-10 lakh per annum	15%
Income Rs 10-12.5 lakh per annum	20%
Income Rs 12.5 -15 lakh per annum	25%
Income above Rs 15 lakh per annum	continue to 30%

### Old tax slabs

Income Rs 2.5 lakh	nil
Income Rs 2.5 lakh-5 lakh per annum	5%
Income Rs 5 lakh-10 lakh per annum	20%
Income Rs 10 lakh per annum	30%

**BUDGET**  
**2020**

## UNION BUDGET 2020

### PERSONAL INCOME TAX

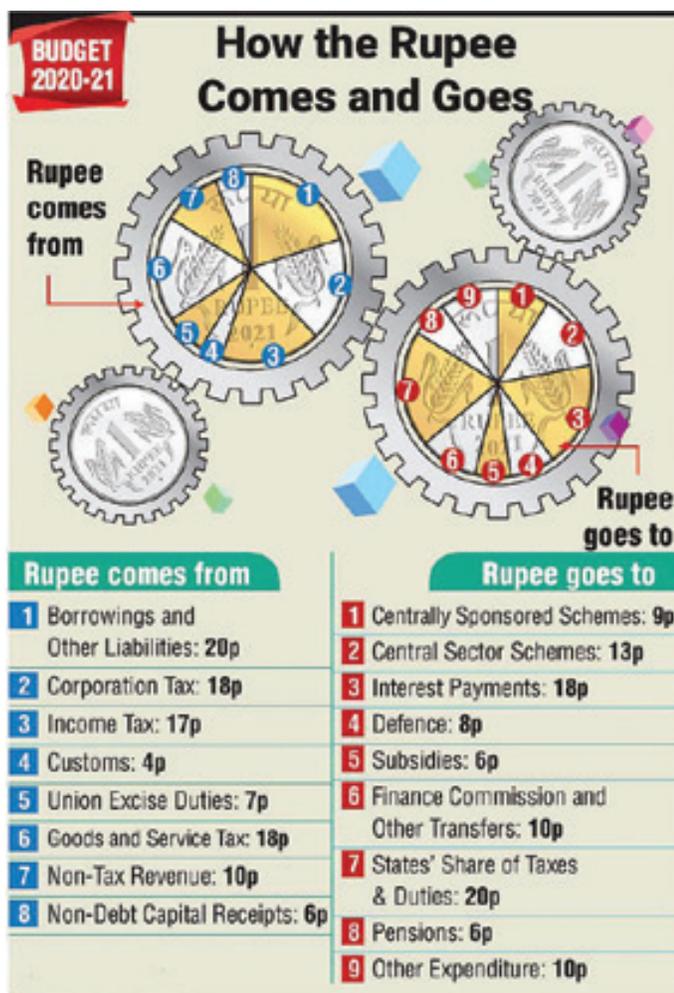
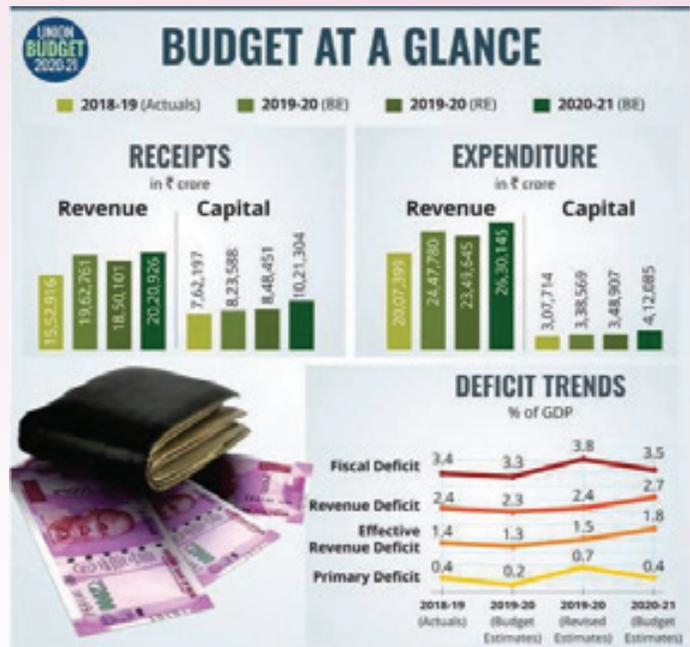
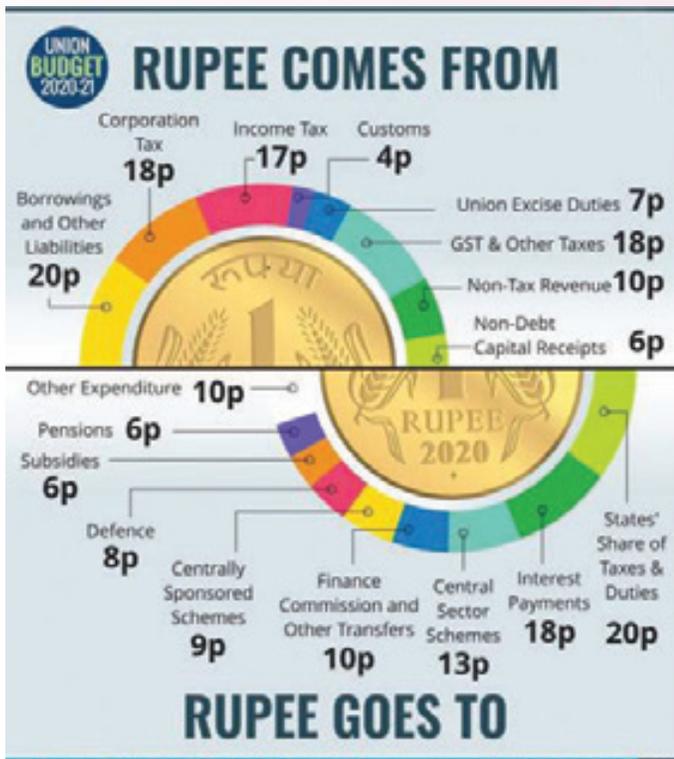
**10% FOR INCOME BETWEEN RS 5 - 7.5 LAKHS**  
(DOWN FROM 20%)

**15% FOR INCOME BETWEEN RS 7.5 - 10 LAKHS**  
(DOWN FROM 20%)

**20% FOR INCOME BETWEEN RS 10 - 12.5 LAKHS**  
(DOWN FROM 30%)

**25% FOR INCOME BETWEEN RS 12.5 - 15 LAKHS**  
**30% FOR INCOME MORE THAN RS 15 LAKH ONWARDS**





# WHAT GOT COSTLIER/CHEAPER

### ↑ Costlier

- Footwear
- Furniture
- Imported medical equipment
- Cigarettes, tobacco products
- Household items
- Electrical equipment
- Stationery
- Parts of commercial vehicles
- Toys
- Certain alcoholic beverages
- Mobile Phones
- Imported electric vehicles

### ↓ Cheaper

- Newsprint
- Sports goods
- Raw sugar, agro-animal based products

# Aspirational India

## 1. Agriculture, irrigation, and rural development

Here are the highlights presented by the FM



Comprehensive measures to 100 water-stressed districts



Setup solar power generation equipment on barren land



Indian railways to set up Kissan Rail, to transport perishable goods



Target of Rs.15.5 lakh crores under Kisan Credit Card Scheme.



Eliminating Foot and Mouth Disease by 2025



By 2022-23, the fish production will be raised to 200 lakh tonnes

## Budget-2020

### COSTLIER

- Medical equipment
- Footwear
- Furniture
- Cigarettes, tobacco products
- Tableware/ kitchenware made of porcelain or China ceramic
- Clay iron
- Steel
- Copper
- Catalytic converters
- Parts of commercial vehicles, other than EVs
- Skimmed milk
- Soya fibre
- Soya protein
- Agro-animal based products
- Certain alcoholic beverages

- Customs duty on import of newsprint, light weight coated paper to 5 per cent
- Purified terephthalic acid (PTA)
- Fuse
- Chemicals
- Plastic

### CHEAPER

## BUDGET 2020 WHAT IS COSTLIER AND CHEAPER?

**INDIA  
BUDGET  
2020**

# HIGHLIGHTS

**MORE TEJAS TYPE TRAINS TO CONNECT TOURIST DESTINATIONS**

**Rs 85,000 CR ALLOCATED FOR EMPOWERMENT OF SCHEDULED CASTE**

**Rs 53,700 CR ALLOCATED FOR EMPOWERMENT OF SCHEDULED TRIBES**

**Rs 3,100 CR SET ASIDE FOR CULTURE MINISTRY**

## DEPOSIT INSURANCE COVERAGE SO FAR

Insurance limit (in ₹)  
effective from

**₹5 LAKH#**

February 1, 2020

**1,00,000**

May 1, 1993

**30,000**

July 1, 1980

**20,000**

January 1, 1976

**10,000**

April 1, 1970

**5,000**

January 1, 1968

#Announced the increase in deposit insurance coverage



## DEPOSIT INSURANCE AT A GLANCE

(in ₹ billion)

	2016-17	2017-18	2018-19
Insured banks	2,125	2,109	2,098
Assessable deposits	1,03,531	1,12,020	1,20,051
Insured deposits	30,509	32,753	33,700
Total number of accounts (mn)	1884.8	1940.9	2,174
Number of fully protected accounts (mn)	1,737.20	1,775	2,000
Claims paid	50.3	50.8	51

# INCOME TAX ASSESSMENT

GROSS INCOME

8  
LAKH

10.5  
LAKH

25  
LAKH

## DEDUCTIONS

	8 LAKH	10.5 LAKH	25 LAKH
SEC 80C	1,50,000	1,50,000	1,50,000
STANDARD DEDUCTIONS	50,000	50,000	50,000
NPS INVESTMENT	50,000	50,000	50,000
SEC 80D HEALTH INSURANCE	50,000	50,000	50,000
SEC 24 B	0	2,00,000	2,00,000
LTA	0	50,000	50,000
DEDUCTIBLES POSSIBLE	3,00,000	5,50,000	5,50,000
NET TAXABLE INCOME	5,00,000	5,00,000	1,95,0000
TAX PAYABLE (OLD)	0	0	3,97,500
<b>TAX PAYABLE (NEW)</b>	<b>4,50,00</b>	<b>85,000</b>	<b>4,87,500</b>

NO DEDUCTIBLES ALLOWED

BUDGET 2020-21

## YOUTH

WHAT IS IN IT FOR ME?

- Apprenticeship embedded degree programs
- Urban local bodies to give one-year paid internships to engineering students and graduates
- Full-fledged degree level online programs to deprived students to be launched
- National Police University, National Forensic Science University to be launched
- New medical college with each district hospital in PPP Mode on Gap funding model to provide both jobs and education

## BUDGET PROPOSES NEW TAX SLABS

BUDGET HAS PROPOSED CHANGES IN INCOME TAX SLABS AND RATES BUT **WITHOUT EXEMPTIONS**

EXISTING TAX RATE (INCOME Rs)		NEW TAX SLABS (INCOME Rs)	
Up to 2.5 lakh	Nil	Up to 5 lakh	Nil
2.5 lakh - 5 lakh	5%	5 lakh - 7.5 lakh	10%
5 lakh - 10 lakh	20%	7.5 lakh - 10 lakh	15%
Above 10 lakh	30%	10 lakh - 12.5 lakh	20%
		12.5 lakh - 15 lakh	25%
		15 lakh & above	30%

# GST

(Goods & Service tax)

CHEAPER ▼

- Movie Tickets
- Radio Taxis
- Daily use Items  
like Soaps & Toothpastes
- Food Items  
like Bread, Eggs & Milk
- Economy Class Air Travel

COSTLIER ▲

- Cigarettes
- Printers
- Mobile Phone Calls
- Bank Charges
- Consumer Durables  
like TVs, ACs & Washing Machines
- Food Items  
like Jam, Soup & Pasta
- Credit Card Bill
- Insurance Premiums



UNION  
BUDGET

## Announcement

Nirmala Sitharaman said the budget is meant to boost their [citizen's] income and enhance their purchasing power.

"Only through higher growth can we achieve that and have youth gainfully and meaningfully employed. Let the businesses be innovative, healthy and sombient with [the] use of technology."

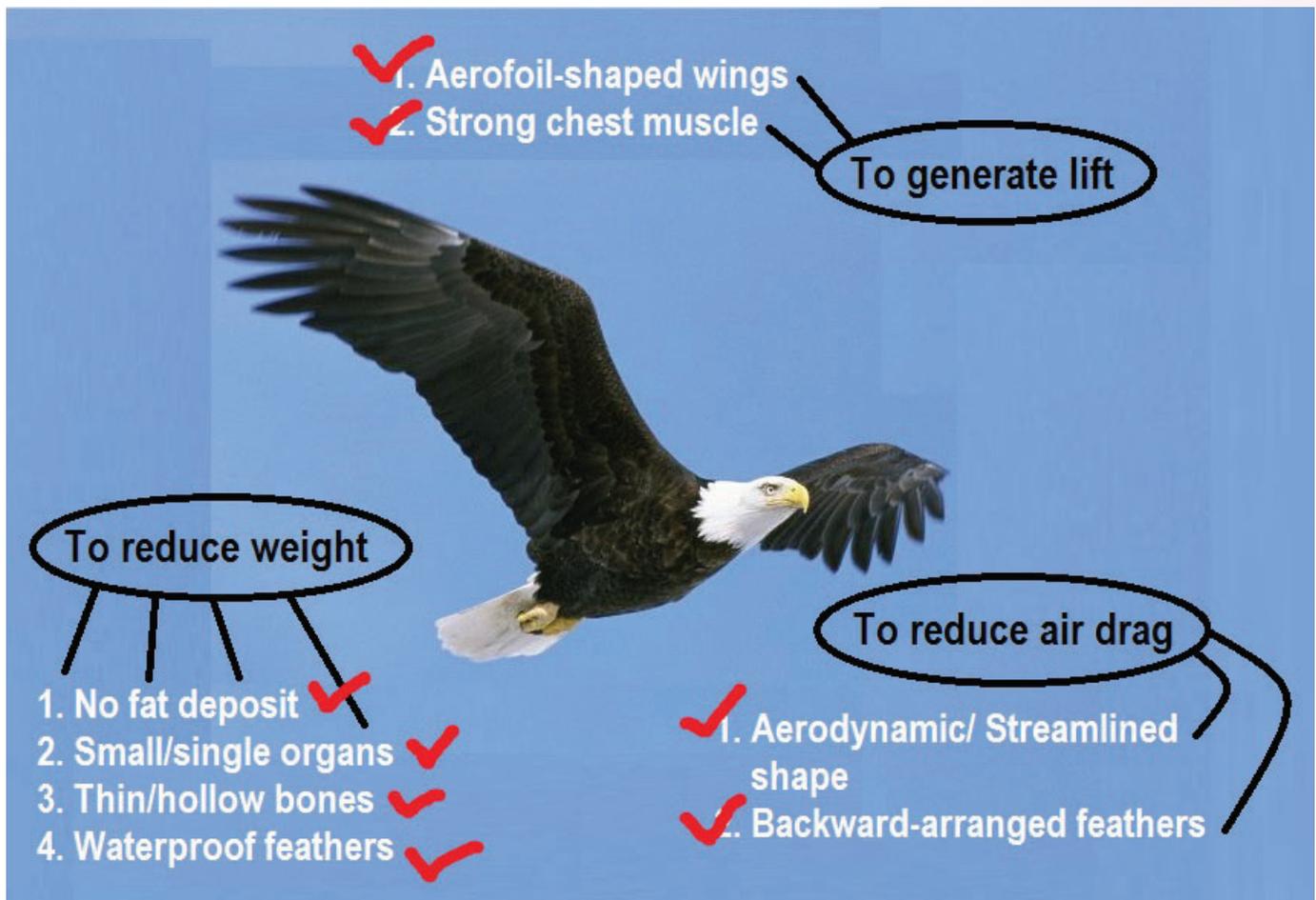
# How Wings Are an Adaptation for Birds

Over millions of years, birds have perfected the body structure needed for flight. In fact, a bird's entire being has adapted to a life of soaring through the air. Besides insects and bats, no other group of animals can truly fly. The wings of birds are uniquely adapted to their way of life, from the daily search for food to yearly migrations lasting thousands of miles. Birds inherited from

their ancestors wing structures that allow them to escape from predators, take advantage of more food sources, and make life less stressful.

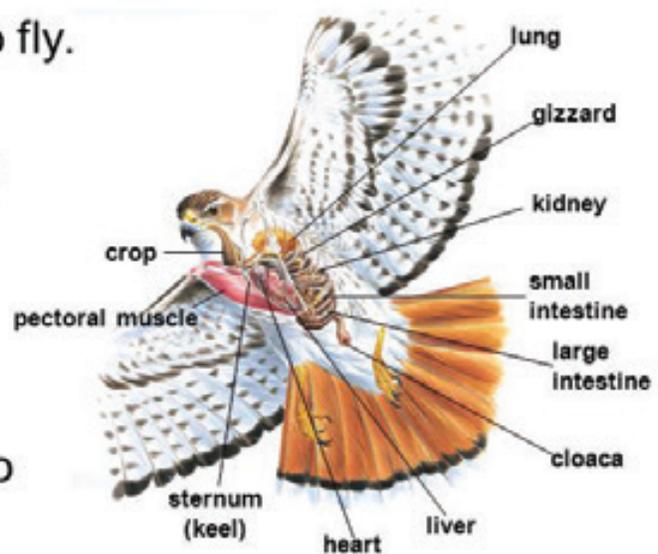
## From Dinosaurs to Birds

Birds are now widely accepted as having descended from a form of dinosaurs, evolving from a line



## • A bird's body is specialized for flight.

- Birds have several unique features that allow them to fly.
  - wings to produce flight
  - strong flight muscles to move the wings
  - active metabolism that provides energy to the muscles
  - hollow bone structure to minimize weight
  - gonads active during only part of year



## Bird Adaptations

1. Types of feathers
2. Forelimb Modified into Wing
3. Modifications for Flight
4. Specialized Feet
5. Specialized Bills

of meat-eating dinosaurs called maniraptoran theropods similar to the Velociraptors. According to their fossil record, these dinosaurs evolved features, such as wishbones and thin-shelled eggs that resemble those of modern birds. The first bird was possibly Archaeopteryx, a winged creature that may have been capable of true flight. Some of the first birdlike creatures sported feathers on their legs, as well as their arms, according to a 2013 study by Dr. Xing Xu and colleagues from the Institute of Geology and Paleontology in Shandong, China, and published in the journal "Science." This finding seemed to suggest that ancient birdlike animals actually used two sets of wings to fly.

## Feathers and Wings

Before birds could take to the sky, they had to evolve feathers adapted to the mechanics of flying, and even specific flight styles. Feathers are light but remarkably strong. Remiges are the flight, or wing, feathers. The primary remiges, large wing feathers, attach to the "hand" portion of the wing. The secondary remiges attach to the forearm and help provide lift when the bird is soaring or flapping. Besides the feathers themselves, the shape

of the wings figure into a bird's flying ability. Short, rounded wings help birds take off rapidly. Long, pointed wings provide speed. Long, narrow wings allow for gliding. Broad wings with slots let birds both soar and glide.

## Thermoregulation

Birds don't necessarily use their wings for flight only; wings also allow birds to regulate their body temperatures. Birds such as the Anhingas lose heat rapidly from their bodies, so by spreading their wings and turning their backs on the sun, they can absorb solar energy to heat themselves. Turkey vultures also use these spread-wing postures to raise their temperatures from lower nighttime to higher daytime levels.

## Adapted to Soaring

Birds don't have to flap their wings all the time to stay air-bound; they can conserve their energy by soaring. The force of rising columns of air called updrafts and thermals keep birds aloft. Some birds, namely seabirds such as albatrosses, spend much of their time in the air soaring. Seabirds use the

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# Physical Adaptations for the sea:

- Wing Shape
  - Long/slim = pelagic, months of flying
  - Short wings = diving
- Feathers
  - Water-repellent feathers
  - More than land birds
- Webbed feet for swimming after prey
- Thick skull bones and air sacs around necks for head first dives
- Salt glands



updrafts created by the actions of waves to soar. Soaring birds tend to have high-aspect-ratio wings, meaning their wing lengths are much greater than their wing areas. This quality gives soaring birds their characteristic long, thin wings.

## Flightless Birds

Although flightless birds have adapted to life below, their wings have not entirely disappeared from their anatomies. Birds evolved to fly, but some birds have lost this ability when their bodies eventually adapted to terrestrial or aquatic environments and flying became too costly, energy-wise. Penguin wings have basically changed into flippers to facilitate swimming. The flightless cormorant of the Galapagos Islands used to be able to fly, but has since lost that capacity in favor of gliding

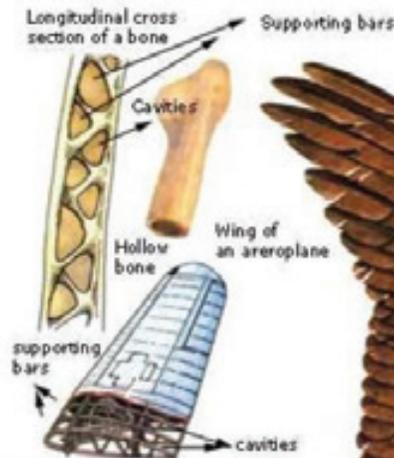
through the water. Large birds, such as ostriches and rheas, use their proportionately smaller wings in impressive displays.

## Migratory Birds

Many birds take long flights called migrations to warmer regions of the world during the colder months. The Arctic tern's migration path covers a round trip of more than 30,000 kilometers from the Arctic to the Antarctic. The Blackpoll warbler makes its annual trip by staying in the air for 80 to 90 hours without resting. Not all birds possess the ability to migrate, however; in addition to internal adaptations, specialized wings aid migratory birds in making their long flights. Migrating birds feature more pointed wings, which are large compared to their bodies, resulting in less laborious flying.

# Adaptations for Flight

- Honey combed bones
  - Air cavities
  - Less weight



The body of a bird is covered with feathers. Wing feathers open and close as the bird flaps its wings.

The feathers at the tips of the wings are raised when speed is reduced. Air passes over the feathers and bird regains the force to avoid falling.



- Frigate bird**
- 7 foot wing span
  - 4 ounce skeleton



(a) wing folding or expanding



ventral view

(b) wing twisting (supinating or pronating)



posterior view

(c) wrist flexing or extending



posterior view

## Ongoing Evolution

Evolution hasn't quite finished its job with the bird wing. A 2013 study published in "Current Biology" and conducted by Drs. Charles Brown and Mary Brown has found evidence of evolution occurring in the wings of cliff swallows in Nebraska. Road killed cliff swallows were found to have longer wings than many others in their populations. The scientists theorized that these swallows, nesting in highway bridges and overpasses, evolved shorter, rounder wings to be able to take off in a more vertical fashion, thereby allowing the birds to flee from oncoming vehicles.

By Ho-Diep Dinh

Source: <https://sciencing.com>

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