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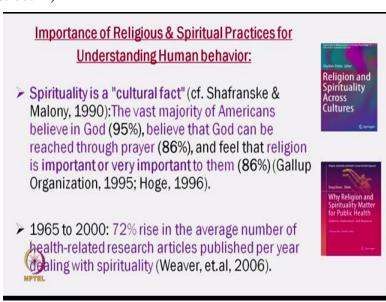
Lecture-17 Spirituality, Grit and Mindset

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Namaskar, in this series our next topic is spirituality.

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There is importance of religion and spiritual practices for understanding human behavior. This is

very important domain where psychologists have emphasized to understand human behavior.

Spirituality is a cultural fact and in different cultures it has been observed differently, for

example, this study is from America, in Gallup survey by Gallup organization in 1995 and in

other researches, it has been observed that the vast majority of Americans believe in God.

Number was 95% of the participants, 86% believe that God can be reached through prayers. And

86% feel that religion is important or very important to them. So that is why religion and

spirituality are very important to understand human behavior.

Weavers and his associates in 2006 observed studies between 1965 to 2000 and they observed

72% rise in the average number of health-related research articles published per year dealing

with spirituality where will you take into account new researches or new studies.

There are various books which are focusing on religion and spirituality, for example I discussed

about this book 'Religion and Spirituality Across Cultures'. And the book provides a review of

literature on different contributions of religion and spirituality to positive functioning and well

being. It reviews various religions across the world including Christianity, Islam, Buddhism,

Sikhism, Hinduism etc.

As well as this is recent book are discussed in previous lectures also, 'Where religion and

spirituality matter for public health'. So, these all researches showing that religion and

spirituality are very important domains to understand human behavior.

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Spiritual practices topped in the list of complementary alternative medicine (CAM) by patients undergoing treatment for cancer (Richardson, et al., 2000).
 Gallup (1992) conducted a poll survey of 1,000 American men and women in which 66% of the respondents revealed that they would prefer to receive counselling from a person who shares their spiritual values.
 Indian Psychology (inner-directedness and spirituality) vs. 'Psychology in India'

Spiritual practices topped in the list of complementary alternative medicines by patients undergoing treatment for cancer, as well as Gallup survey conducted and 1000 people American men and women were studied in this survey. It has been observed that 66% of the respondents revealed that they would prefer to receive counseling from a person who shares their spiritual values.

On the other hand, as we have already discussed difference between Indian psychology and psychology in India and Indian psychology is based on inner-directedness and spirituality. And similar kind of books are also published like this book 'Spirituality and Indian psychology lessons from Bhagavad Gita'. In this book Professor Bhawuk emphasized on the importance of spirituality and stated that with the emergence of positive psychology in the west, and the many more discovery of the impact of psychology in one's life, there is a need to understand spirituality and to use it's positive aspects to maintain a balance in hectic modern life. So, there are various researches which are giving importance to religion and spirituality to understand human behavior as well as when we are treating abnormal behavior as well as you know certain diseases.

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- Indian Psychology (IP) is basically derived from Indian philosophical & Religious/ Spiritual literature, thus, the hallmark of the Indian psychological perspective is inner-directedness and spirituality.
- ➤ Positive psychology (PP) is the scientific study of optimal human functioning which aims to <u>discover and promote factors</u> that allow individuals and communities to thrive. (Seligman. 2000) & (Haidt & Gable. 2005)
- > Deliberately Delivered Intervention Modules to promote well-being.
- For study existing socio-cultural (e.g. Raahgiri Day in Delhi & Haryana) and religious/spiritual practices (e.g. 5-7 days residential programmes by Sahaj Marg, Art of living foundation, Isha foundation etc.) in the society to promote well-being.

Indian psychology is basically derived from Indian philosophy and religious and spiritual literature. So again, it emphasized on religious and spiritual literature as well as its domains importance to understand human behavior. Thus, the hallmark of the Indian psychological perspective is inner-directedness and spirituality. And spirituality is very important domain for us to understand human behavior.

On the other hand, when we talk about positive psychology definitions, one of these definitions is positive psychology is the scientific study of optimal human functioning which aims to discover and promote factors that allow individuals and communities to thrive. So, it means along with various other objectives we focus on the factors which promote our well-being. And for promoting well-being there could be 2 type of factors.

One group of factors - we deliberately deliver certain intervention modules to promote well-being and in positive psychology specially in applied positive psychology we have hundreds of intervention program through which we have certain sessions. And once you experience those sessions we test and we observe certain changes in your behavior like changes in your well-being resilience, emotional intelligence etc. etc.

On the other hand, this is our basic area of research where we are saying that to study existing socio-cultural factors or maybe religious spiritual practices, we may have certain ways to study

promotion of well-being. If you know about Delhi and Haryana, people enjoy a day called *Raahgiri* day during this period they dance, they sing, they experience certain other art activities and I think such kind of activities may help to promote well-being.

Similarly, in various religious and spiritual groups they have 5 to 7 days residential programs and these programs are organized by Shaj Marg, Art of Living foundation, Isha foundation. And in some studies, or some cases we have observed significant changes in their behavior, significant positive changes in their behavior and such kind of studies could be done more.

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Religion or/and spirituality

- Operational definition in your research.
- In some studies, Religion and spirituality have been used interchangeably.
- Spirituality Religion Differences: You need to follow a set of rules if you want to move forward in religion.
- Advancing in spirituality is through a process of loving and accepting yourself and the world around you.
- One of the most noticeable differences between religion and spirituality is that religion preaches and commands while spirituality inspires.
- However practices in religion and spirituality are highly correlated
 with each other.

Let us know a little bit more about religion and spirituality. What definitions we have and how do we deal with religion and spirituality, do we count it one or we count it two separate entities. First point is what is operational definition in our research, that is very important point and that is why it applies like other constructs inside psychology. You know we have various definitions of various constructs whether we talk about happiness, whether we talk about emotional intelligence, resilience, personality, intelligence. So similarly, here there could be various definitions, so first point is whatever study we are conducting we have to have our operational definition. Second point is are we counting religion and spirituality same domain or we are counting them two? That is again very important, some definitions saying that these 2 are different. On other hand, others saying that these are sharing significant percentage of variance and quite close to each other.

In some studies religion and spirituality have been used interchangeably, some psychologists have violated certain differences between spirituality and religion. For example, you need to follow a set of rules if you want to move forward in religion. Advancing in spirituality is through a process of loving and accepting yourself and the world around you. One of the most noticeable differences between religion and spirituality is that religion preaches and commands while spirituality inspires.

However, practices in religion and spirituality are highly correlated with each other and that is why in certain studies we are using these 2 terms interchangeably.

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Definitions of religion and spiritualty:

- Religiousness is defined as the "extension to which an individual believes, follows, and practices a religion, (Koenig, King, & Carson, 2012) and usually these beliefs influence how people seek to live out their lives and treat others.
- As per their definition, spirituality is to seek for a meaning in life, about the relations with the sacred or transcendent, and the connection with a higher power or supreme-being.
- The term search for the sacred is a widely accepted description of spirituality.
- Religion and religious behaviors represent the many ways in which the search for the sacred becomes organized and sanctioned in society; for example, through the attendance of religious services and the frequency and duration of prayer.
- Hill eval., (2000) defined spirituality as "the feelings, thoughts, and behaviors that arise from a search for the sacred", (p. 66).

When we talk about different definitions, there are various definitions of religion and spirituality. Religiousness is defined as the extent to which an individual believes, follows and practices a religion and usually these beliefs influence how people seek to live out their lives and treat others. As per the definition spirituality is to seek for a meaning in life about the relation with the secret or transcendent and the connection with a higher power or supreme being.

So, this way these are 2 different definitions of religion and spirituality as Koenig and his associates defined in 2012. That term search for the sacred is a widely accepted definition of spirituality, religion and religious behaviors represents the many ways in which the search for the

sacred becomes organized and sanctioned in society. For example, through the attendance of religious services and the frequency and duration of prayer.

So that is why there are various activities done under religion and which are supporting spiritual enhancement or spiritual improvement and that is why both of them are highly correlated. Hill and his associates defined spirituality as the feelings, thoughts and behaviors that arise from a search for the sacred. So like that these are ways to define spirituality.

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R/S: Yoga & Meditation



After knowing religion and spirituality and their importance let us discuss 2 very significant practices, these practices are yoga and meditation.

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Yoga

- ➤ Yoga derived from Sanskrit "Yuj", means union of mind, body & Soul.
- >Patanjali father of modern yoga wrote 'Yoga Sutra'.
- To achieve the harmony of the mind, the body and the spirit (definition of Indian Psychology) which leads to samadhi and enlightenment, we follow Asthanga Yoga.
- >Asthanga Yoga:
- 1. Yamas- restrictions-it is your attitude towards others and the world around you
- -Ahinsa or non-violence
- -Satya or truthfulness
- -Asteya (अस्तेय) or non stealing
- -Bramacharya or non-lust
- -April aha or non -possessiveness

At least basics of both we should know. Yoga - yoga derives from Sanskrit word that is Yuj means union of mind body and soul. You must be knowing about yoga sutra written by Patanjali and he is counted as Father of Modern Yoga. To achieve the harmony of mind, the body and the spirit that is definition of Indian psychology as you know which leads to Samadhi and enlightenment, we follow *Asthanga* yoga.

There are 8 links to understand *Asthanga* yoga, first is yamas, yamas is restrictions it is your attitude toward others and the world around you. You just see, before understanding oneself they are giving importance to attitude toward others as well as the world around you. And there are various steps under this category *Ahimsa* - nonviolence, *satya* - truthfulness, *asteya* - non-stealing, *bramcharya* – non-lust, *aprigraha* or non-possessiveness.

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- 2. Niyama (Personal Disciplines) or guidelines-your attitude towards yourself.
- -Saucha (शौच) or cleanliness
- -Santosh or contentment
- -Tapas or austerity-कठोर नियम
- -Svadhyaya or study of the sacred text and of one self
- -Isvara Pranidhana (ईश्वर प्राणिधान) -or living with an awareness of the divine (devotion to God)



So, these are the steps which one should follow to have high score on *yamas*. Second one is niyama, niyama is personal discipline or guidelines, your attitude toward yourself. And under this category they have identified various practices like saucha or cleanliness, santhosh or contentment, tapas austerity or you can say kathor niyam, svadhaya or study of the sacred text and of oneself, isvara pranidhana or living with an awareness of the divine or devotion to god, these are important steps to have higher level of niyama

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- 3. Asana (Yoga Positions or Yogic Postures)
- 4. Pranayama (Yogic Breathing)
- 5. Pratyahara (प्रत्याहार) (Withdrawal of Senses):
- Pratyahara is built brick by brick through yama niyama, asana and pranayama, then utilized in dharana dhyana and samadhi. It is the fifth petal of yoga, also called the "hinge or joint" of the outer and inner quest.
- The term pratyahara is composed of two Sanskrit words, prati and ahara. Ahara means "food," or "anything we take into ourselves from the outside." Prati is a preposition meaning "against" or "away.



Third is asanas yoga positions or yoga postures, pranayama yogic breathing is the 4th one and then next is pratyahara. This is again very interesting links in this series, withdrawal of senses. Let us understand this concept a little bit more because this is very important to understand

connection between external and internal world. Pratyahara is built brick by brick through yama, niyama asana and pranayama, then utilized in dharana, dhyana and Samadhi.

So, it is the middle one and it is the 5th petal of yoga also called the hinge or joint of the outer and inner quest as I discussed earlier also. The term pratyahara is composed of 2 sanskrit words prati and ahara, ahara means food or anything we take into ourselves from the outside and prati is a preposition meaning against or away.

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" Pratyahara (पत्याहार) means literally "control of ahara," or "gaining mastery over external influences." It is compared to a turtle withdrawing its limbs into its shell — the turtle's shell is the mind and the senses are the limbs. The term is usually translated as "withdrawal from the senses," but much more is implied.

There are four main forms of pratyahara:

indriya-pratyahara — control of the senses;

prana-pratyahara — control of prana;

karma-pratyahara — control of action;

and mano-pratyahara — withdrawal of mind from the senses.

(learn to withdraw from external world)

Dharana (Concentration on Object)

Dhyan (Meditation)

Samadhi (Salvation-मृक्ति)

So pratyahara means - literal meaning is control of ahara, gaining mastery over external influences, it is compared to a turtle withdrawing it is limbs into its shell. The turtle's shell is the mind and the senses are the limbs and in this process you just control yourself inside and away from external factors. So the term is usually translated as withdrawal from the senses but much more is implied and they have discussed various pratyahara.

There are 4 main forms of pratyahara, first one is indriya-pratyahara - control of the senses, second prana-pratyahara control of prana, third karma-pratyahara control of action, and fourth is mano-pratyhara a withdrawal of mind from the senses. So, through all these controls we are away from the external world and start to move towards internal world and we learn to withdraw from external world.

Then next one is the dharana - concentration on object and then dhyan meditation and eighth one is the final that is Samadhi or salvation or can say mukthi. So these are 8 steps which we follow in yoga.

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Various paths of yoga:

- Bhakti yoga -The path of devotion.
- · Gyana yoga-The path of knowledge.
- Raja yoga- The path of wisdom to self realization and enlightenment (yoga of mind).
- Karma yoga- The path of action.
- Hatha yoga -The path of physical self discipline (yoga of will).
- Mudra yoga -the path of channeling life force.
- Chakra yoga -The path of energy forces and so on .

And there are various paths or various yogas have been identified in our yogic signs like bhakti yoga - the path of devotion, gyana yoga - the path of knowledge, raja yoga - the path of wisdom to self-realization and enlightenment, yoga of mind we can say, karma yoga - the path of action, hatha yoga - the path of physical self-discipline/ yoga of will, mudra yoga the path of channeling life forces, chakra yoga - the path of energy forces and so on and there are various other paths or other yogas also.

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Health (Physical and mental) benefits of yoga:

-- Asanas strengthen the body.

-Yoga postures regulate emotions and moods.

-Breathing exercises lead to psychological well-being.

-Yoga induces relaxation.

-Yoga contributes to peak psychological experiences.

Various other Psychological and physical benefits are also documented.

www.raysanelian.com/yoga.html

www.yogapoint.com/info/researchindex.htm

I think there is no need to discuss benefits of yoga, nowadays we have more than hundreds research available in the field of, you know, neuroscience in the field of physiology, in the field of medicine, in the field of psychology. And there are various number of, I think more than hundreds of benefits have been counted there. But still some of them are like, you know, health, physical and mental benefits of yoga, asanas strengthen the body.

Yoga postures regulate emotions and moods, breathing exercise lead to psychological well-being, yoga induces relaxation, yoga contributes to peak psychological experiences. Various other psychological and physical benefits are also documented and there are various websites available having all those benefits. So, you could explore some more if you are interested in this field.

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Meditation

- Meditation is an experience of relaxing the body, quieting the mind, and awakening the spirit.
- The word meditation comes from the Latin word "meditatio", which originally indicated any type of physical or intellectual exercise. The word 'med' means healing.
- Meditation encourages a deepening of consciousness or awareness, and also facilitates a deeper understanding of self and others.
- There are several meditation techniques that have been developed and practiced for over 5,000 years.
- These specific techniques and skills can be learned.

Next practice is meditation, mediation is an experience of relaxing the body, quieting the mind and awakening the spirit. The world meditation comes from the Latin word meditation which originally indicated any type of physical or intellectual exercise. The word med means healing, meditation encourages a deepening of consciousness or awareness and also facilitates a deeper understanding of self and others.

There are several meditation techniques that have been developed and practiced for over 5000 years, these specific techniques and skills can be learned and very beneficial they are.

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Meditation

Maharishi University of Management (USA):

Over 500 studies have been completed on the physiological, psychological, and sociological effects of the Maharishi Transcendental Meditation and TM-Sidhi programs, making it perhaps the most intensively studied technology in the field of human development.

These studies have been conducted at 210 different universities and research institutions in 27 countries, and articles have now appeared in more than 100 scientific journals.

If we take only one example, example from Maharishi university of management USA and this data is quite old I think they took it in 2010. But still it shows it significance over 500 studies have been completed on the physiological psychological and sociological effects of the Maharishi transcendental meditation and TM-Sidhi program making it perhaps the most intensively studied technology in the field of human development.

These studies have been conducted at 210 different universities and research institutions in 27 countries and articles have now appeared in more than 100 scientific journals. There are number of, you know, research papers available again showing benefits of meditation from neuroscience, from medical science, from psychology, and from all other sciences which could help us to understand human behavior and all other sciences which help us to understand human behavior.

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Types of Meditation

- Focusing-concentrative meditation category; single object (breath, a mantra, a single word, a picture or statue of a deity or the syllable OM, the famous Hindu mantra etc.).
- It is concentrating in a non-analytical, unemotional way.
- > Opening up mindfulness meditation; non-judgmentally to all stimuli in the internal and external environment, but not to get caught up in (ruminate on) any particular stimulus.
- Asking-contemplative meditation, "What is my way?", "Who am I?" inquiry about new understandings and visions and actions.

Broadly, psychologist have identified 3 categories of meditations, however, they could be many more but broadly they have identified meditations in these 3 categories. Category number 1 is the focusing, concentrative meditation category, in this category we focus on single object - breath, a mantra, a single word, a picture or maybe statue of a deity or the syllable like OM the famous Hindu mantra, maybe in this category.

And we just focus on certain point and it is concentrating in a non-analytic and unemotional way. So, in focusing or concentrative meditation we learn to focus at this particular point or on particular mantra. And we just tune our mind to attend whatever we want, second category

opening up like mindfulness meditation. Non-judgmentally to allow stimuli in the internal and

external environment but not to get caught up in or ruminate on any particular stimulus.

So, in this category we may attend various internal and external environmental stimuli but we are

not indulging with them. So, in this process what is happening we have disconnected thoughts

and emotional reactions. In ordinary situation you have certain type of thoughts, and these

certain types of thoughts are triggering your emotions. For example, if you have positive

thoughts you have positive emotions, on the other hand, negative thoughts triggering negative

emotions.

But if you are not indulging with these thoughts then you have not any reaction maybe positive

or negative. So, we learn to disconnect thoughts and emotional processes and that is why there is

no impact of these thoughts. These thoughts are coming and going in our mind and we are not

indulging or involving with these thoughts that is why they do not have next processes in our

mind.

Next category is asking and that is high level of meditation - contemplative meditation, in this

process we ask some ultimate questions. Like what is my way, who am I, enquiry about new

understandings and visions and actions we have. So broadly meditations can be understood under

these 3 categories.

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Importance of Breath

- For most meditative practices the breath is very important because it is connected to both the mind and the body.
- If we are anxious, frightened or upset our breath tends to be shallow, irregular and quick.
- If we are relaxed, settled or calm, our breath tends to be more slow, deep and regular.
- Focusing the mind on the continuous rhythm of inhalation and exhalation provides a natural object of meditation.
- As we focus on the breath awareness, our mind becomes absorbed in the rhythm of inhalation and exhalation.
- As a result, our breathing will become slower and deeper, and the mind becomes more relaxed and aware.

Now next point is what is importance of breath in yoga and meditation. For more meditative practices the breath is very important because it is connected to both the mind and the body. If we are very anxious, frightened, or upset, our breath tends to be shallow, irregular and quick. On the other hand, if we are relaxed settled or calm our breath tends to be slower, deep and regular. Focusing the mind on the continuous rhythm of inhalation and exhalation provides a natural object of meditation.

As we focus on the breath awareness our mind becomes absorbed in the rhythm of inhalation and exhalation as a result our breathing will become slower and deeper and the mind becomes more relaxed and aware.

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Meditation's Benefits

The physical, emotional, psychological, and spiritual benefits of

meditation might include:

higher levels of energy, creativity, and spontaneity

lower blood pressure

increased exercise tolerance

better concentration

decreased stress, depression and anxiety

fewer cravings for alcohol and cigarettes

Increased job satisfaction

better relationships with others.

That is why in some meditations they ask to focus on our breathing, there are various benefits of

meditations and maybe you know in hundreds now it is - research papers we have on benefits of

meditations. So, some of them are physical, emotional, psychological, and spiritual benefits of

meditations which might include higher level of energy, creativity and spontaneity, lower blood

pressure, increased exercise tolerance.

They have observed that through meditation we can be better at concentration, decrease stress,

depression and anxiety. It has been observed that fewer cravings for alcohol and cigarettes if we

do meditation. Increased job satisfaction, better relationship with others we have if we are

regular on meditation.

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Thoughts → Emotions → Behaviour

Meditation is the absence of thinking and it is the process of concentrating the mind.

- Stress Management and Pain Relief
- Anger Management
- Simple way to relax and clear the mind
- Control over Anxiety
- Improved awareness, and concentration (creates stillness)
- Improves our cognition (ability to think) and helps us to see things more clearly
- Develops our sense of self and our spirituality

We know thoughts, emotions, and behaviors are highly connected with each other and mediation is the absence of thinking and it is the process of concentrating the mind. So, if we have absence of thinking it means to some extent we are able to manage or regulate our emotions. Stress management and pain relief has been observed after meditation, anger management is there simple way to relax and clear the mind, control over anxiety, improved awareness and concentration and creates stillness.

Because we are able to concentrate on whatever we want, improve our cognitive ability to think and helps us to see things more clearly, develop our sense of self and our spirituality.

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- ➤ Khoury, et al., (2016) in their paper "Effectiveness of traditional meditation retreats: A systematic review and meta-analysis", reported large effects of meditation practices on measures of anxiety, depression and stress, and moderate effects on measures of emotional regulation and quality of life.
- As to potential mechanisms of actions, results showed large effects on measures of mindfulness and compassion, and moderate effects on measures of acceptance.



So, these are some of the benefits, however, there are some more researches where they did

systematic review and meta-analysis. First of all, before knowing this study let us know what

does it mean a systematic review and meta-analysis. Systematic review answers a defined

research question by collecting and summarizing all empirical evidence that fits pre-specified

eligibility criteria, it means summarizing all empirical evidences available in already conducted

researchers for a particular research question.

So whichever researchers we have on our research question we just compile all those and try to

understand what are the trends in our researches. On the other hand, meta-analysis is the use of

statistical methods to summarize the results of these studies. It means summarizing all empirical

evidences by using statistical methods available for a particular research question. And conclude

over view on the research question as per existing empirical researches.

So, in meta-analytic research we do statistical analysis on all those researches which we have

compiled on the particular topic. On the other hand, in a systematic review we just review the

existing literature and we compile all studies results here. So similar kind of systematic review

and meta-analytic research conducted by Khoury and his associates in 2016. Paper was

'effectiveness of traditional mediation retreats: A systematic review and meta-analysis'. They

reported large effects on meditation practices on measures of anxiety, depression, and stress and

moderate effects on measures of emotional regulation and quality of life. As to potential

mechanisms of actions, results showed large effects on measures of mindfuless and compassion

and moderate effects on measures of acceptance. So even systematic review as well as meta-

analytic research is showing significance of or benefits of meditation.

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Meditation & Neuroplasticity

- Neuroplasticity is a term that is used to describe the brain changes that occur in response to experience.
- There are many different mechanisms of neuroplasticity ranging from the growth of new connections to the creation of new neurons.
- Davidson, (2008) in his article "Buddha's Brain: Neuroplasticity and Meditation", reported that over the course of meditating for tens of thousands of hours, the long-term practitioners had actually altered the structure and function of their brains which poported connections between neuroplasticity and meditation.

Next topic is meditation and neuroplasticity, nowadays this is very important area, neuroplasticity is a term that is used to describe the brain changes that occur in response to experience. There are many different mechanisms of neuroplasticity ranging from the growth of new connections to the creation of new neurons. A neuroscientist Davidson in 2008 in his article 'Buddha's Brain: Neuroplasticity and Meditation' reported that over the course of meditating for tens of thousands of hours, the long-term practitioners had actually altered the structure and function of their brain which supported connections between neuroplasticity and meditation. So, in modern time as scholars specially neuroscientist claiming that if we are quite regular on meditation we may have neuroplasticity, means changes in our brain, structure as well as functions wise.

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Meditation, Spirituality and Positive Psychology

- Mindfulness-based meditation interventions have become increasingly popular in contemporary psychology. For example, meditation practices include loving-kindness meditation (LKM) and compassion meditation (CM), exercises oriented toward enhancing unconditional, positive emotional states of kindness and compassion (Hofmann, et.al., 2011).
- Psychology has begun to include and explore a number of exciting new topics — meditation, forgiveness, acceptance, gratitude, hope and love. Each of these phenomena has deep roots in Eastern and Western religious traditions and philosophies (Pargament, 2013).
- Psychologists are now developing and evaluating a variety of spiritually integrated approaches for treatment, including: forgiveness, compassion, gratitude, acceptance, meditation programs and the preliminary results are promising.

Meditation, spirituality and positive psychology are highly correlated, mindfulness-based meditation interventions have becoming increasingly popular in contemporary psychology. For example, meditation practices include loving-kindness meditation and compassion meditation exercise oriented toward enhancing unconditional positive emotional states of kindness and compassion.

Psychology has begun to include and explore a number of exciting new topics like meditation, forgiveness, acceptance, gratitude, hope and love. Each of these phenomena has deep roots in eastern and western religious traditions and philosophies. Psychologists are now developing and evaluating a variety of spiritually integrated approaches for treatment including forgiveness, compassion, gratitude, acceptance, meditation programs and the preliminary results are promising.

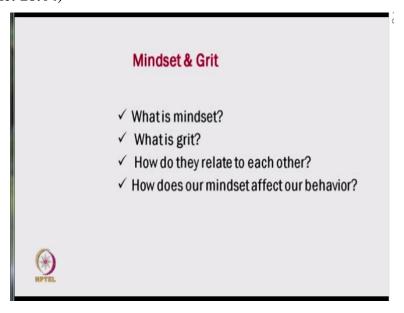
So next week I will discuss about various interpersonal characteristics like forgiveness, compassion, gratitude as well as their benefits to improve well being and other human behaviors. So, this section shows us role of meditation and spirituality to positive psychology and it highlights its importance even religious literature as well as, you know, scholars have identified that this is very important area.

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As Buddha has mentioned just as a candle cannot burn without fire, men cannot live without a spiritual life. And spiritual and religious domain to understand human behavior is really important here.

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In this series I have included 2 new and very interesting constructs – mind-set and grit along with well standardized construction. In positive psychology, psychologists are also highlighting and revisiting some new constructs which are significantly contributing to this field. So let us know what these constructs are - what is mindset, what is grit, how do they relate to each other, and how does our mindset affect our behavior.

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Mindset & Grit (Dweck, 2007; Duckworth et el., 2007)

- What kind of goals do we pursue?
- How do we respond to failure: whether we stick to something or give up easily?
- How much effort do we make to achieve a goal?
- Whether or not we try new solutions when problems crop up.
- Whether we have self-control and commitment towards our goals.
- Do we have strong resolution and persistent forts and interest (Grit)?

There are questions raised by Dweck and Duckworth and her associates these questions are - what kind of goals do we pursue, how do we respond to failure whether we stick to something or give up easily, how much effort do we make to achieve a goal, whether or not we try new solutions when problems crop up. Whether we have self-control and commitment towards our goals, do we have strong resolution and persistent efforts and interest.

That is grit's definition, so they are saying that we individuals are different on all these responses and mediating or very strong variables here are, what kind of mindset and grit level we have. So let us know what does it mean when we are saying mindset and you know grit.

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Why the renewed interest in the concept of grit and mindset today?

- The changing nature of today's society and generational differences are the driving forces behind the recent interest in mindset and grit.
- Today's difficult times can be challenging and stressful for those who have not yet acquired grit trait and developed a 21st century mindset.
- They may need to strengthen their resiliency, perseverance, and the resolve that is necessary to overcome obstacles, disappointments, and setbacks.



They also highlighted why the renewed interest in the concept of grit and mindset today. The changing nature of today's society and generational differences are the driving forces behind the recent interest in mindset and grit, that was their answer. Today's difficult times can be challenging and stressful for those who have not yet acquired grit trait and developed a 21st century mindset.

They may be a need to strengthen their resiliency, perseverance and the resolve that is necessary to overcome obstacles, disappointments and setbacks.

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Mindset: Growth Mindset vs. Fixed Mindset

- Growth Mindset: People with a 21st century mindset believe that they create their own future. Their basic beliefs, values, and reference frames are used to organize their world.
- A 21st century mindset is based on the notion one is always growing and learning, and the view one adopts for themselves profoundly affects the way they lead their life.
- Fixed mindset: People with a fixed mindset may believe that heredity, luck, and destiny has more to do with creating their future than effort.

So, let us understand one by one about mindset and grit, mindset can be divided in 2 sections growth mindset versus fixed mindset. Growth mindset people or 21st century mindset believe that they create their own future. Their basic beliefs, values and reference frames are used to organize their world. A 21st century mindset is based on the notion one is always growing and learning and the view one adopts from themselves profoundly affects the way they lead their life.

On the other hand, fixed mindset just opposite of it, people with a fixed mindset may believe that heredity, luck and destiny has more to do with creating their future than effort. So, in fixed mindset you think there are various determinants in your life like heredity, luck, destiny and these all factors have already decided your life, so, you are with fixed mindset and you are not

actively progressing in your life. On the other hand growth mindset - they think they could grow always and everyday they are growing.

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- Intelligence and grit (persistent efforts and interest) are not traits that one is necessarily born with; these traits can be recognized and developed, as well. However, to develop grit, one must hold a growth mindset (Duckworth 2013; Dweck 2013).
- Individuals who have a growth mindset believe talent can be developed through hard work, mindful strategies, and applying feedback from others.
- They consistently try new approaches and view failure as a momentary setback and an opportunity to grow.



Duckworth and Dweck observed that intelligence and grit - grit means persistent efforts and interest, are not traits that one is necessarily born with, these traits can be recognized and developed as well. However, to develop grit one must hold a growth mindset, so it means both of them emphasizing that grit and growth mindset are highly correlated with each other. Individuals who have a growth mindset believe talent can be developed through hard work, through mindful strategies and applying feedback from others.

They consistently try new approaches and view failure as a momentary setback and an opportunity to grow.

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"The view you adopt for yourself profoundly affects the way you lead your life." -Carol Dweck, Mindset: the New Psychology of Success Fixed Mindset **Growth Mindset** Intelligence is fixed Intelligence is malleable (flexible) Personality is fixed

 Born with it (Unchangeable) Personality is malleable

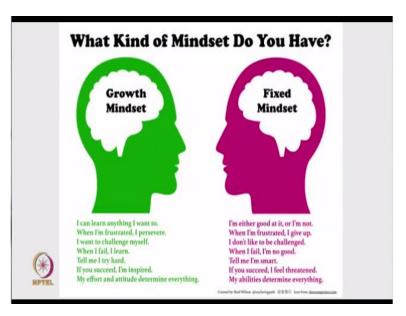
· Traits can change and be developed



So, they have identified difference between fixed mindset and growth mindset. Dweck wrote a book 'mindset - the new psychology of success', the view you adopt for yourself profoundly affects the way you lead your life. And she differentiates between fixed mindset and growth mindset, fixed mindset thinks intelligence is fixed, personality is fixed, born with an unchangeable way born with it and we cannot change it.

On the other hand, growth mindset - intelligence is malleable or flexible, personality is flexible and traits can change and be developed. So, with growth mindset we think we can improve, we are programmed to grow and we should do hard work to grow every day. On the other hand, fixed mindset thinking that we have fixed abilities, fixed personality and we are not able to change much.

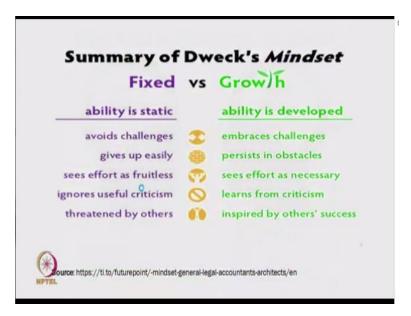
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Through this model we can learn what kind of mindset we have, there are differences between growth mindset messages and fixed mindset messages. For example, growth mindset - I can learn anything, I want to when I am frustrated, I persevere, I want to challenge myself, when I fail I learn, tell me I try hard. If you succeed, I am inspired, my effort and attitude determining everything.

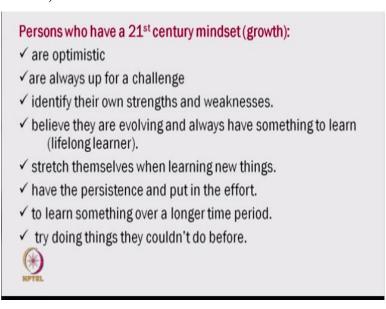
On the other hand fixed mindset, I am either good at it or I am not, when I am frustrated I give up, I do not like to be challenged, when I fail I am no good, tell me I am smart, if you succeed I feel threatened, my abilities determining everything. So, in this case you could see these are fixed ideas, on the other hand, these are growth mindset and growing ideas.

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Similarly, another summary between fixed and growth mindset, fixed mindset - ability is static, avoids challenges, give up easily, see effort as fruitless, ignores useful criticism and threatened by others. And growth mindset, on the other hand, ability to develop, embraces challenges, persists in obstacles, sees effort as necessary, learns from criticism, inspired by others success. So, these are the different ways we have - fixed versus growth mindset.

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Persons who have 21st centuries mindset they are saying that they have various benefits if they have growth mindset. They are more optimist, are always up for a challenge, they identify their own strengths and weaknesses, they believe they are evolving and always have something to learn. And lifelong learner they are, they stretch themselves when learning new things, they have

the persistence and put in the effort. So that is grit characteristic, to learn something over a long time period, try doing things they could not do before.

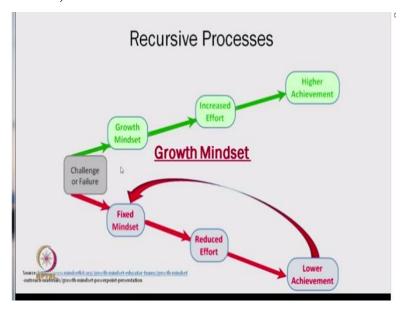
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- √ help you thrive during challenging times.
- ✓ reinforce your belief that you can change and grow.
- ✓ boost your tenacity and effort.
- ✓ foster the adoption of grit traits.
- ✓ strengthen your resolve when faced with setbacks, challenges, and disappointments.
- ✓ strengthen your resilience.
- ✓ solidify your determination and effort
- ✓ try to be reliable and fully committed.



Help you thrive during challenging time, reinforce your belief that you can change and grow boost your tenacity and effort, foster the adoption of grit trait. And again, it shows connection between or very highly correlated grit and growth mindset, strengthen your resolve when faced with setbacks, challenges and disappointments, strengthen your resilience, solidify your determinant and effort, try to be reliable and full committed. So, this is the source from where I have taken all these benefits of growth mindset.

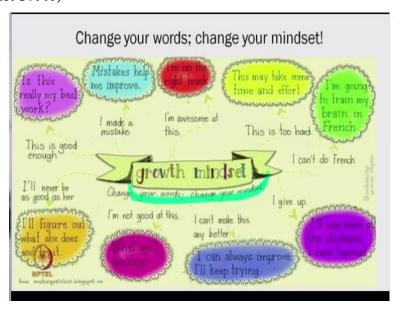
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And in terms of growth mindset and achievements, higher achievements they have given these 2 steps. Psychologist have also identified correlation between growth mindset and higher achievements. On the other hand, fixed mindset means lower achievements and they are saying that at the time of challenge and failure, how do we move on whether we have growth mindset or we have fixed mindset, with growth mindset increased efforts to achieve those goals.

And finally, we achieve and that is higher achievement level and it builds confidence and various other positive personality traits in our personality. On the other hand, when we have fixed mindset, when we reduced efforts because of this fixed mindset and that is why we have lower achievement and this lower achievement again fixed our mindset. So that is vicious circle and in this case, here it is linked with lower achievement as compared to when we have growth mindset which is highly correlated with higher level of achievement.

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Then Dweck worked on how we can change fixed mindset to growth mindset and they have observed various ways of. Change your words, change your mindset there are various you know models available on internet, you could explore some more and in all these models they are saying that how we can change our words. And by changing words could identify some ways to develop our mindset in growth direction.

For example, fixed mindset this is good enough, on the other hand, we can change these words in this term - is this really my best work? - I make a mistake, mistakes help me improve. I awesome at this, I am on the right track. This is too hard - change words - this may take some time and efforts; I cannot do French - I am going to train my brain in French. So, change the words to have progressive way to learn. I give up - I will use some of the strategies I have learned. I cannot make this any better - change your words - I can always improve I will keep trying, I am not good at this, what am I missing, I will never be as good as her, I will figure out what she does and try it. So, they are saying that these are the ways through which we can change our words and by changing our words we may have growth mindset.

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What is Grit?

- * "A passionate commitment to a single mission and an unwavering dedication to achieve that mission"—Angela Duckworth
- Grit is defined as passion and perseverance for long-term goals (Duckworth, Peterson, Matthews, & Kelly, 2007).
- Grit is the quality of working persistently and consistently toward long-term goals, despite failures, challenges, and/or highs and lows in the process.
- Gritty people view success and achievement of goals as a process, or marathon, and view stamina as their competitive advantage, (Dickworth, et al., 2007).

Now in this direction next construct is grit. Angela Duckworth worked a lot on grit. A passionate commitment to a single mission and an unwavering dedication to achieve this mission. Grit is defined as passion and perseverance for long-term goals. Grit is the quality of working persistently and consistently toward long-term goals despite failures, challenges and highs and lows in the process.

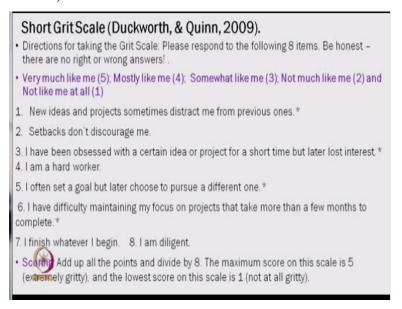
Gritty people view success and achievement of goals as a process or marathon and view stamina as their competitive advantages. So broadly these are 2 important factors in grit, one perseverance and second passion for long term goals. She observed that these are connected terms or highly related terms.

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Grit Traits Grit qualities may include, but are not limited to:	
self-control (willpower)persistencetenacityresiliencehard workdelayed gratification.	perseverance open-mindedness optimism conscientiousness social intelligence courage.

However, grit qualities may include but are not limited to and these included terms are self control or willpower. Persistence, tenacity, resilience, hard work, delayed gratification, perseverance, open mindedness, optimism, conscientiousness, social intelligence, courage. These are the related terms are grit can include these terms.

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Let us understand this construct a little bit more by the scale which is developed by Duckworth and Quinn in 2009. That is Short Grit scale and through this scale we can easily identify what kind of questions can test level of our grit, directions for taking the grit scale are please respond to the following 8 questions or items. Be honest there are no right and wrong answers, so scales

are 'very much like me' - 5, mostly like me - 4, somewhat like me - 3, not much like me - 2 and

not like me at all is 1.

Let us read these questions one by one and two ways you can understand it - your level of, if you

are responding answer of these questions or through these questions you could identify

characteristics of a gritty personality. Number 1 question, new ideas and projects sometimes

distract me from previous ones. Second, setbacks do not discourage me, third I have been

obsessed with a certain idea or projects for a short time but later lost interest.

Fourth I am a hard worker. Fifth, I often set a goal but later choose to pursue a different one.

Sixth, I have difficulty maintaining my focus on projects that take more than a few months to

complete. Seventh, I finish whatever I begun. And eighth, I am diligent. You must have observed

that these star (*) items these are in fact negative items. If you have high score on these items it

means you have lesser level of grit.

So, these items should be reversed scored and after reverse scoring then your total score must be

divided by 8 and that is your score. Range would 1, 2, 5. 5 means extremely gritty person you are

and 1 is not at all gritty person you are and accordingly you could see what is your score, so by

experiencing this psychological test you have 2 messages. One you could know what is your

level on this construct and second through these items or nature of questions you can understand

what do we expect when we are saying your level of grit.

And it is highly connected with it is operational definition. Now next point here is which is again

very important how do mindset and grit relate.

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How do mindset and grit relate? > Mindset is a way of thinking about yourself as a learner. > Grit is the tendency to sustain interest in and effort toward very long-term goals. > Growth mindset ↔ Grit THANKS

You must have observed that these are highly correlated with each other to some extent mindset benefits in terms of grit. As well as in grit certain ways where we can say growth mindset is highly correlated. So, mindset is a way of thinking about yourself as a learner and grit is the tendency to sustain interest in and effort toward very long-term goals and that is why both of them are highly correlated with each other.

I hope you must have enjoyed these 2 new concepts - growth mindset, and grit and these are the constructs which help us to have better life. So, I will suggest to practice to have higher level of growth mindset. Thank you very much.