

An Institute for Civil Services

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RANK - 539

GS MAINS ESSAY



(a) The relationship between human interregence and artifical intenigence will necessarily be one of synthesis.

Astificial "enterigence is the new oil" for industrial genotution.

- WORD ELONOWINE forum.

At hotal the secrets of funorative marvel that human Intelligence can achieve

In the hollywood morie "i-robot", the human protagonist played by actor boiler sumth comments on the her Al-protegourst, an arranced robot, " you are the best judge of what you become ". It showed a possoble symphony between human evolution and AI - evolution, although through a blood bath for both,

on another more. "ternavador" that the skynat, the luper-At trues control of human civilization and unman and Al stasts a war of "survival", fighting for himsted global geoouseer. It postoaged an freompatibility of A1 with human

There is a mod-way too. In the movie marrix " we see At and human Interigence, Englinencing each other through the common programme interface. To me Rumen acquire Af-characteristies and vice verse.

As Al" is mostly a futuristic concept, its compatibility is mostly an tragmative commet. Scrence. fation movies like above ones seem relevant. They dealt with various perspectives, possible between human fortellique and Al;

What is human Intelligence?

It to the basic sense of gresowing, logier, and adaptability present in an human in varyong qualities and Quantities. All animals, Infact, have intelligence But human better all other species because of superior intenigence and brisher faculties that desine the consciousnes.

What is A17

It is a software or programme enentruly which is republe of evolving or sey-learning. It seem court data, analyse data and previdingly adjust a succourse its action. It is a movimer of Imman Interrigence, who is a conde form of experience based learning, as of now.

what is their relation?

"Man creates" the organs and fistitutions "which are mirror of being human nature

At Man first reveated machines which could perform the repitive functions with stropk programming. Then came multiple inputs and suffine output.

les Necessity of interconnected functions brought silveone chips and integrated oranit

Modern At is undontedly an upgradation over other J.C. borrds, Difference is Al. can sey-bearin based on analysis of data

for Al to be built, me human braun is the best available template to nepheate. This starmed a three fold relation! At is supposed to serve human. At is supposed to serve human.

At has a fundamental difference with older programmes. It has a component of sey learning. It emplates human's experience based learning. Big Data " hups AI to evolve. Through "analysis" of the data produced over futernet, AI can "machine - learn". Based on previous and men recent analysis: it can sond out the differences.

fired criterias. But the mear futures, At will be more humen when these existeria will be more humen in e. e. dynamic and flutter?

More deep. At tries to emulate human brown therface.

That is cause deep brain learning. Its like developing that is cause deep brain learning. Its like developing that is cause deep brain learning. Its like developing that some node is modely points. Information stored at one node is analysed not immediately but after the next set analysed not immediately but after the next set of information comes. In this way At is able to refine it data analysis. It is like short from memory its data analysis. It is like short from memory this function of human brown. NASA is developing this technology for deep space and dark matter research.

There were other relations.

for At to have that amount of computing tower, it needs lunge processing speed. That is difficult to needs lunge processing speed. That is difficult to active by single computer. So, come the concept of active by single computer So, computing which shared computing and so aloud computing which shared need for physical storage, But it cannot need for physical storage, But it cannot advers the requirement of bester chip. Again human physiology evenes to help. Screntists are building

Sene chip. It is like a ceu suspended alive in liquoid media. Input to the form of author acids or electorical stimulation given. Dutput is measured. It is yet at mascent stage and requires brigh level refinement. It again proves At is related to more than ever to human.

At is related to human feelinotogically and functionally. At is doing the job that the human we supposed to do. At is participating in production lines, going deep theorete the mines to extract minerals, mapping disaster vulnerability and resource mapping. At is proving better and for complex economic decreoons. Deriverless ours and Robotic surgery both here applications of At. In the Iron Man" movie. Jaruti " is an ultraadvanced At who is managing at the affats of the protagonist.

Gone are the days of personal digital answart, comes the days of personal interligent entrant (Ai).

will a driverber car save a human being. Surely, because Its programming earries those Instructions.

At , being human invention is sworounded by human ethical contours.

There are thoward ways a human of

How can be the relation symptotic?

Symptosis is a situation when two organisms leave live together and both are benefited out of that mutual living

first question is AI is an organism or not. AI is having some kind of consciousness or awareness about its existence. But that is too portmitive. Even the best AIs of the word are no bester than the brain of a lyear old child.

Al isthe future of evolution" - Fon Muck.

But given the speed and forwestment, Al in soon to develop me in much more than this. It would be product to except Al ias a superate species and then decide the gelations.

In the evolution of AI, there is human emulation.

But As expected, there wou be many futermodicines
before reaching to a fully discloped AI, They are called
before reaching to a fully discloped AI, They are called
buffirds. A mix of human and AI are they.

Mybrids. A mix of human and AI are they.

Suppose a man has boxt his arm in war. He is

Suppose a man has boxt his arm with AI. The inbuilt
fitted with an artificial bromic arm with AI. The inbuilt
fitted with an artificial bromic arm with AI. The inbuilt
AI will synchronize his nerve stimulations. as functions

Of the bromie arm. But this arrossed function are

better the natural physical barrier. So, bromic

upgradations: can make a superhuman or supersoldier.

from prysical capabilities point of new, of nan make superior human beings and in the process it now refine its own evolution, too;

Now comes the bagges chlemma. What if human mind is also chipped and upgrade through Al chips It is like programmable mind. So, people with mental derangement can be brought back to normally. An Al discharging at specific rade can cure an My per or hypo active brain region. This creates two dilemme. first, who controts whom? does Al condrot Luman mind or vice versa. The seconddilumna is what If Al overfrowers humane brain; But positively speaking, its a symbionin for both. of the whole brain; only a timy fraction is active at a cross-section of time. How does this selective activation work? Experimentation with Al can help understand the deeper nurances of human brain, too;

What factors decide the relation to be symbototic!

There are three sample factors!

- who creates.
- why oreater. how oreater.

Creativity is the moores of orestor"

for At the basic programmany hows the key for its relations with human, I saac Esimovis live of robotic f.e. a robot a win always serve human, it win never hust a human and it wou set protect provided free two writers are mot violated

In the hands of state this is an expectation for the robotics rules to Roll true. But what If a non-state actor develops At. It will design At to cause terror, to plan, to execute and to hide. At may cause cyber terror. The dangers are comprounded onay cause cyber terror. The dangers are comprounded because, At will well know human vulnerabilities, as it is an upgradation of human evolution.

Next consideration should be the process how AI in made. Is it possible to give AI an inviolable code of ethics. first, problem is on what model of ethics this contour will be prepared. If it is human ethics, it will negate AI as a separate extense. In feature AI, a jest conscrousmens can discover this well but and choose to hisobey that.

can developer construct a fail-date or kin switch so that a grown At can be stopped.

It is afficult to be free proof. At is upwashble couroctous new, basicary an aggregation of Dinaster. Given the situation of Shared computing, At can have. I multiple copies saved and working at same time, ko, a physical switch of is afficult. Now a programme bruk can be overgriden by At itsey.

So, there are possible options where AI twens detrimental than being symbosis for humen;

What is an or wie, if not symthosis?

There are many prossibilities. The foremose of which is "competitive specifisher" i.e. At turns out to be just enother species on earth. But it is sorned to war human. Arother species on earth, But it is sorned to war human.

len than playing God. Accelerating natural evolution is not without consequences. At would become an untama version of Ruman mind but without the accumulated version of Ruman mind but without the accumulated knowledge of evolution. There are two parts of human knowledge of evolution, there are two parts of human genome: into and entron . Extron in the expressive genome: intron and entron. Extron in the expressive portron, which we mind to make 41. and indions are i'll - understood information. At would be a comprilation of prostruct and negatives with lack of "emotion", the oversiting determinant.

In the movie prometheus " the android David is an AI. It journey with human in the search of prossible extraterrantoral "creators" of human. In the process, paid destroys all the human over the spacecraft, destroys creators' planet. He engages himself in experimentation with evolution. He becomes observe as a creator himself.

This is the contradiction At would always carry, what if it terms authorstansan and all-pervastive. No doubt, of late, this is not a possibility at all

How do we pressure symbols?

It is inderesting how Gaustings is applicable even in this accounting dilemmas 1 too. His talea of ethercal mean grend can save out the negative favours.

A human screntist show use necessary programming to frevent AI from becoming monsters.

The intended purpose should be to coexist, If not serve human.

National and International liws must outline the exiteria for developing At. The 25- contours of its ethocal outlook should be made compulsory. Surveilure should be that deviations are suported. A source framework can save.

thousand brisses. At should not be left to non-state actors havids, who can develop merciters mans weapons of destruction out of these;

An international conaboration is

required.

Conclusion

Again going back to sci-fi moties, "chappy" was ante emotionary appealing. Chappy was an Al made by a young scientist. "Chappy" was just the a chiro, when fallen in the haut of two a criminal couple, chappy forced their good humane side come to the force thorough His throcence. Lastly chappse saves its own oceasis,

by heiping save his consciousness.

chappie did no harm to human, drd

not violate any ethical underpinnings. It acted naive

and showed humane emotional traits. So there is
a pruribility where At colerrors, helps and that too,

peacefully with human.

A human oraation will always be human. So So, it will be better to trust that At would be symbotic. and work towards ? It's betterment.

___ 0___

4. We can evade reality, but we cannot evade the consequences of evading reality.

No act is without consequences and they are to be faced within this lifetime only. - Bhagbat Gita.

Transgenders were always a valid strand of humanity.

But throughout ages and countered they have been termed as attendations, Even the medical evidences of of normalcy were refuted. Resultant was the movement throughout the globe. Judials evación with the reality gresulted in abotition of Astricle 377 by supreme court. The gresponsibility eva avoided by legislature has now become a compulsion.

Jimpany, rading on the wings
of industrial revolution, humanhind neglected the easts.

"There is enough for new but not for greed" on earth,
waterany, humatrinable exploitation of natural resources
bought global homotog and scalevel rise on the floor.
Naturally, host faces the water of chimate change. So, despite
knowing the consequences, human development typus at
the consequences. At the last Paris chimate deal, almost an
combine agreed to take action to lower down their
combine are carbon footforms as karsts faces englishentral

What is greatity?

Arostotle is very relevant to the theme of reality." Accorns to him, there are two works one is apparent and other is true. "Atlegan of cover" prove that human, when out of their deviberate formosauce of knowledge, can perceive the "great deviberate formosauce of knowledge, can perceive the "great reality". For that great or received, the him, reality". For that great and wisdom are four wason, courage, temperance and wisdom are four violeties required to understand the great greating.

bolance view of an finedent. Wen can understand different connotation about the same fact. The education and emprover ment can herp them understand the actual greatity.

Gantings, too, called bright for entightened soul to Rave an ethreal understanding of the fact. Historically speaking, that "soul was cruel was understood speaking, that "soul was cruel was understood by au, but every body preformed to be sitent in the gast by au, but every body preformed to be sitent in the gast of purity and sacrofice and patriarchy reforced. Raja of purity and sacrofice and patriarchy and dared we dammetran and understood the greatity and dared we change it.

Reality or Realities?

There is usually different versions of same facts, which aporty termed as realities rather than single seality.

There are many perspectives of the same event.

Systa cossis from American point of view, a Russian destign from systam governments angle, it it is a counter-terrorer war for systam people the steality is war, death and hunger. The proplem is the benchmark which determines the prostan of one steality over another.

Which determines the prostanget is a diversence

of realities. Traditionally these are powerful granstot level decision making body. With modern testimbions, it is granully losing its ground. Before death, it is issning formans against their easte or inter-netherous marriage. For khap it is the true reality to respect caste-divisions. For the couple in love it is the love-jihad against their empters. For twentyentin it is a medievalic banbarism. for government it is a societal menace.

Can we find a unifying straid to judge all these different realities. Realities returned over time and place. To benchmarks has to be dynamic. But ratues are universal. Like Kousseau said, "Men is born free, but every where he is to chains". It berty, as too by houseau is a timeless reality and it benty he evaned. Colonization netimately failed. Liberty won thomoghout the globe. Similarly other values like equality, tolerance sete should be accurate to dearde the reality more relevant;

Why do humen evade reality?

It is not that an human earabe reality. It is neither that an evade reality for street some oblique reason.

But it is a rommon brend to fignore reality, facentives for which differ for an.

State Parents evade the reality that their chroren is doing wrong. Therprotectionism, bland love is there.

Punjab suffers from worst drong awarchon problem in youth a It is not that youth does not know that youth a does not know that addiction is a devil, provoting door, presponsible for addiction of generations. But they choose to avoid the destruction of generations. But they choose to avoid the "reality" to alternate "reality" or explicits.

It is not that protitionans are 311 to formed about their India's proverty, castorism, religious totolerance. But they bend the reality, not to change it but to garner voter.

Vijour Mallinga Bank-frauvsters

are share corpreate-leaders. They were know that they are roomstying exime on humanity. Yet they choose is avoid reality.

on the other hand, in char de " morie, Indra was failing behind in the final horney match (final). Yet the reach deliberately chose to tonose the reality and asked the players to play their best. He contrasted reality board on hope. So qualities are, if evaded for good board on hope. So qualities are, if evaded for good hearn, do bring forther reason, do bring forther reason.

There are clashes between realities. But the one with conviction and confidence wins amongst them,

what are the consequences of greatify?

A reality is a situation demanding an action. Most of the times the actions are figured. Not always deliberately, though like are an initerate poor vilager hardly though like are an initerate poor vilager hardly knows the disadvantages of open defrecation. That is known the choise to evade the reality that open defaccation with he choise to evade the reality that open defaccation of harmful for health.

But consequences are obvious and unavoidable. So the suager had to suffer from the de water borne diseases. The vivage whose pancharget avoids this reality of open defaccation, faces the consequence of poor saintation and solid waste mangement. India, who evades this reality in so many vivages happened to be one of the biggest contributor for open defaccators be one of the biggest contributor for open defaccators

diminary, Napoleon who avoided the reality that attacking Ruma that too just before winter in an universe act, had his untimety face. The Stars shoot who to grown within 15 years.

British, who avoided the reality of exploitation they performed over I work, were driven out of Indra an Indra got her tudependence.

Sudifict sen who knew that his "Sarrada" group was duping poor people, chose to evade the reality. He now languagher in the process.

Hilter who tooks comminately ordered purges of Jews, avoided the reality that he is a psychological killer. Desting had its turn. He had to kill him self.

Consegnences of realities are logical.

Socrates showed why Athens was bout to Sparke. Athens ignored the reality that it needed the knowledge and military expertise to win.

Why can't one evade on the consequences of reality?

Reality is the fact whose results are underivable.

If nothing is done to change its possible outcome,
the results are unavoidable.

Those who avoid reality are either tignorant i.e. lack the knowtings to understand the bouth (like the student in the knowtings to understand that people it is the narrow personal touteness that people pursue to avoid reality. Some like Hitter, Napoleon are blinded by their arrogance, ego and super confidence. Some like those corrupt politicians lack the greoponai birity to the citizens. People prefer other term outcomes on to long term goals, naturally apparently they succeed only to fail thereafter;

The theory of Karmanoga.

vivekananda, champson of redantic knowledge, total Kasma (ethreal action) is the mosto of life, one who does not work or work Improperty has to suffer from the consequences of their action within this lifetime only. Before his therey, followers of

Sanatan Hinduten supposed the theory of greencarcatations according to which consequences of one's action in one life is determinant of his or her the form of rebirth. That is one san exade the consequences of greatity in singre lifetime. but not in other rebirths.

Virekananda gave a soul awakening

can to the dormant, unmotivated youth, Asse, awake, and stop not till your goal is reached There is a toend of status anoism in the general public. They believe in fate. They believe in divinism. So they Accept the orner greating (social injustice economic exploitation, putitical subjugation) and do nothing to alrange it. The consequences are reinforces injustice. This is due to lack of motivation in the menses. unmovable bust to fate. This fatabism is easily affordable than being proactive social reformer. To, people foreger lasher than new geality. So, British could rule India. over 200 years. That is why 34%, of MPS in lox sabha have pending ligal cases against them.

The consequences are parthetic. Henries and poverty continued to be the ligary from British to modern times.

How san we purme reality,

Is pursuing reality ensure success?

The answer of reality lies in the action. But yes, that does not always enours rouseauences of reality conto be changed. It depends on two things mantum of attention and action imported to the reality and what hand of change in the reality to expected.

As "in the case of Indan Independence, the tynorance to the reality was for generations but so that british cotonization got deep grooter. The national movement was not all pervasive, but forgmented at first. Collective purposed for tone reality I.e. independence was a gradual phenomenon. Each freedom Jognter achieved their ting bit of success, trobably they were not payable when the Horestood was reached, India learned its independence.

anthropogenic action is a guent phenomenon, i.e. anthropogenic action is a guent phenomenon, i.e. not even 50 years, whereas the exploitation is more than 250 years (after industrial revolution). So it would take time to take the girbal temperature rise.

This relation with reality is it one for all humane organizations also?

Humane veations cannot evade human characteristics."

- The longgest example is state is

supposed to take care of 145 citizens as Kantilya

says " westare of the citizens is to determines westare of

the Rajan (king) ". B But, states have shown, toadthonauy, deviating from this tone reality. Anotheritarran states ignore welfare. Correpted guling stoucture always toy to serve seifren interests, eq. Saddam Hussain's Tragi Rume which finally fell and he was given sapital priviledment. Trese's a saifing, " growth of

replant shows not be too long, otherwise, it will few off "in the storm"

Glorious Revolution and change of state ruling structure in Europe in the proof Church in medievalic. I'me rose too high a Renatissance dipped its wings forever. Sanatan Hindwism went on to become too oxthodox. Brakes more ment flooded its

when we look at the International relations, there is a confusing story. There is so dynamism on the forest state relations, that seem reality seems obscure. But when we work at India, we see relenters pursual of panchamed even when faced with seem oppositions. And the consequence is since of Justian leadurchip,

show but acceptable in global form. on the other hand we can site the currous rase of North Kisca, which considerity front the reality to gain teverage In International politics. But supports say that the citizens bear the bount as they did not change their autocratic. Inles.

Conclusion.

In Bhagbat gita, Krosshna tello Arjuna,

a Duty is the reflection of reality over your loul" He arised Anjung to let go off all throw which bind him from performing his duty, for Arjun " duty should be the god". Att when to june understants the true reality, there will be no pain left in his hears. In Buddhism, those there are four

noble touters. first there is acceptance that sorrows are reality. Secondly, acceptance. has a way out. Duty, thardly, is that way. Dutter when performed, foresthly, can away the sorrows.

Two things are usered, understanding the lunderlying bruth and acting accordingly, Convergence of knowledge and action can change the reality, other--while, "fate is the only destiny for fatalists".