



Message from the Chairman



Dear IETEian,

My hearty good wishes for a Happy New Year to you and your family. Since the dark period of Covid pandemic seems to have waned, we may as well hope for Healthier New

At IETE, we are already gaining speed in terms of our weekly knowledge sharing webinars, short-term courses, ISF activities, resource mobilisation measures and so on. After the successful conduct of the AIC last September, expectations regarding our Centre have increased even in the eyes of our Head Quarters and, surely, with all your collective effort, our Centre will not be found wanting in raising to the occasion and fulfilling new expectations and meeting new challenges.

The Block Chain project, which was initiated last year, could not make much headway so far because of indifference of our MoU partner, but now we are in the process of reviving it with the help of a new resource person. The Head Quarters too has promised some financial assistance to build technical infrastructure for the project. Hopefully, the first wave of training sessions under the project will commence in the next month (February) itself.

The 69th IETE Foundation Day celebrations on the theme NEP 2020 : A Paradigm Shift in Skill Based Higher Education – Challenges and Opportunities and 11th Prof. S Narayana Endowment Lecture on Vidya – Science of Happiness by Dr. S. Karunanidhi, Outstanding Scientist and Associate Director, RIC, DRDO were held on 6th November, 2022. Prof. Dr. V. Gunasekhar Reddy, President, IETE graced as Chief Guest and Prof. Narayana himself graced the occasion with his august presence. Prof. Alladi Prabhakar 11th Memorial Lecture was organised on 11th December, 2022 on The Road towards 6G : Investigations on New Type of Transmission Waveforms by Dr. Shatrughna Prasad Yadav, Prof. & Head, ECE, Guru Nanak Institute of Technology.

It was very touching to see his daughter herself coming on the occasion and paying tributes to her illustrious father. Such instances show the high esteem and goodwill that our organisation commands among the enlightened public who may not necessarily be associated with us as members.

Among the future events in our calendar, I would like to mention in particular the IETE Students Day, Science Day at which I look forward to your active participation in large numbers. You will agree that active presence and participation of the student community is indispensable for the success of any programme. With this in view, we have undertaken a special drive to rejuvenate our ISF units and add fresh ISFs as quickly as possible. There is also a need to start some sub-centres within the jurisdiction of the Hyderabad Centre, so that the new sub-centres become focal points of growth of the IETE family at large. In both these matters I seek your active involvement and support.

With Best Regards,

Prof. Nuli Namassivaya
(Chairman)

69th IETE Foundation day Celebrations-2022

The Institution of Electronics and Telecommunication Engineers (IETE) Hyderabad Centre has conducted 69th IETE Foundation day Celebrations -2022 on 06.11.2022 (Sunday) at 10.00 AM through physical mode. The Chief Guest for this program was Prof (Dr) V Gunasekhar Reddy, DIG of Police (Retd.) – President, IETE, New Delhi. **In this occasion IETE, Hyderabad centre was facilitated by the senior and governing council members .**



Endowment and Memorial Lectures

Prof. S Narayana 11th Endowment Lecture

The Institution of Electronics and Telecommunication Engineers (IETE) Hyderabad Centre has conducted Prof. S Narayana 11th Endowment Lecture on 06.11.2022 (Sunday) at 11.00 AM through physical mode. The speaker was Dr. S. Karunanidhi Outstanding Scientist and Associate Director, Research Centre Imarat (RCI), DRDO, Hyderabad. The speaker delivered lecture on “Vidya - Science of Happiness”



Prof. ALLADI PRABHAKAR 11th MEMORIAL LECTURE

The Institution of Electronics and Telecommunication Engineers (IETE) Hyderabad Centre has 11th Memorial Lecture of Prof. Alladi Prabhakar on 11.12.2022 (Sunday) at 10.00 A.M. through physical mode. Speaker Dr. Shatrughna Prasad Yadav Professor and Head ECE, Solar Winds, delivered lecture on “The Road Towards 6G: Investigations on New Type of Transmission Waveforms”..



WEBINARS

Webinar– 108

TOPIC : “Artificial Neural Networks and their role in AI Systems”

DATE: 2nd Oct., 2022 (Sunday) at 10.30 AM

ONLINE: Through Google Meet HD Video Meeting App



Mr. Mulla Zaheer Ahamed

Lead Engineer,

RaiFox IT Consultancy Pvt. Ltd.,

Webinar– 109

TOPIC : “Learning to be Emotionally Intelligent”

DATE: 9th Oct., 2022 (Sunday) at 10.30 AM

ONLINE: Through Google Meet HD Video Meeting App



Dr. AKTHAR PARVEEN

Assistant Professor

Department of Education, School of Education & Training.

Webinar– 110

TOPIC : “Embedded Memory Technology Trends and Test Challenges”

DATE: 16th Oct., 2022 (Sunday) at 10.30 AM

ONLINE: Through Google Meet HD Video Meeting App



Dr. M. Parvathi

Professor, ECE Dept BVRIT Hyderabad

Webinar– 111

TOPIC : “Cyber Security Challenges and Methods of Mitigation”

DATE: 23rd Oct, 2022 (Sunday) at 10.30 AM

ONLINE: Through Google Meet HD Video Meeting App



Sri.KARTHIK VARMA

Founder & Chief Operations officer at Tactical Cyberange Simulations

Webinar– 112

TOPIC : “OER and its role in Content Generation”

DATE: 30th Oct., 2022 (Sunday) at 10.30 AM

ONLINE: Through Google Meet HD Video Meeting App



Dr. C.V. Krishnaveni

Lecturer , Computer Science SKR & SKR GCW(A), Kadapa, Andhra Pradesh

Webinar– 113

TOPIC : “GLOBAL WARMING AND RF RADIATION”

DATE: 13th Nov., 2022 (Sunday) at 10.30 AM

ONLINE: Through Google Meet HD Video Meeting App



Er. Pammi Kalee Prasad

Asst.Engineer, Doordarshan

WEBINARS

Webinar– 114

TOPIC : “Overview and Insights to Cellular and Mobile Communication”

DATE: 20th Nov., 2022 (Sunday) at 10.30 AM

ONLINE: Through Google Meet HD Video Meeting App



Dr. M N Narsaiah

HoD & Associate Professor
KG Reddy college of Engineering and Technology (KGR CET)

Webinar– 115

TOPIC : “LEADERSHIP SKILLS”

DATE: 27th Nov., 2022 (Sunday) at 10.30 AM

ONLINE: Through Google Meet HD Video Meeting App



Mrs. M. Amala Kumari

Assistant Professor
Department of Business Management
Stanley College of Engineering and Technology for Women (A)

Webinar– 116

TOPIC : “DETECTION OF DIFFERENT EYE DISEASES THROUGH RETINAL IMAGE ANALYSIS”

DATE: 18th Dec., 2022 (Sunday) at 10.30 AM

ONLINE: Through Google Meet HD Video Meeting App



Er. Udayini Chandana

Assistant Professor
Stanley College of Engineering and Technology for Women(A)

Webinar– 117

TOPIC : “Internet of Things in Medical Applications” “

DATE: 25th Dec., 2022 (Sunday) at 10.30 AM

ONLINE: Through Google Meet HD Video Meeting App



Er.K. Bapayya
Assistant Professor
ECE, MGIT



Best ISF's College & Co-ordinator Awards - 2022:



Best IETE Students Forum Award First Prize to GNITS



Best IETE Students Forum Award Second Prize to VCE



Best IETE Students Forum Award Third Prize to Ellenki College



Best IETE Students Forum Co-ordinator Award First prize to VJIT



Best IETE Students Forum Co-ordinator Award Second prize to CBIT



Best IETE Students Forum Co-ordinator Award Third prize to KG Reddy College of Engineering and Technology

Workshops/Short Term Courses

Foundation on Python Programming

IETE, Hyderabad Centre was organized 30 Days Online Training Includes 2 Sundays Offline training (11 th and 18 th December) on Foundation to Python Programming from 1 st December 7.00PM to 8.30PM through Google meet by Corporate Trainer Mr. D. Radha Shyam, Founder and Director, Techprolog. The course outline was Introduction, Data Types, Operators, Input & Output Statements, Control Statements, Arrays in Python, Functions. Total 27 participants was attended



The Institution of Electronics and Telecommunication Engineers
Hyderabad Center
Adjacent to Directorate of PG Admissions Office, O.U. Campus, Hyderabad - 500 007
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IETE Cordially invite you to participate

30 Days Online training
Includes 2 Sundays Offline training
(On 11th & 18th December)

Foundation to Python Programming
From 1st December 7:00PM to 8:30PM thru Google Meet

By Corporate Trainer



Mr. D. Radha Shyam
Founder and Director, Techprolog

Dr. N. Srinivasa Rao
Hon. Treasurer

Shri Ashwani Kumar Sangamker
Hon. Secretary

Dr. N. Srinivasa Rao
Hon. Treasurer

Register Here: <https://forms.gle/ZcXPTsdrbNqMg6i8>

Google Meet Link: <https://meet.google.com/wsp-fnj-mmn>

Registration:
• IETE Students - Rs. 600/-
• Non-IETE Students - Rs. 800/-

Trainer Profile:

IT Industry:

Had 19+ Years in multifaceted positions in IT Industry from Programmer to techno Functional Manager.

Work Experience:

- Tech Mahindra, Hyderabad, 2007-2018
- Intelgroup Asia Pvt. Ltd., Hyderabad, 2000-2007
- Pragme Tech Solutions - Hyderabad, 1998-2000

Certifications:

- Certified Project Management Professional (PMP) from PMI, US

Role and Responsibilities:

Project Manager:

- Handled more than 17 Projects and Led 5+ major projects as a project manager and Single Point of Contact between Senior managements and Consulting Partners

Methodology:

- Waterfall, SDLC, Agile

Specialization:

- ERP, SAP
- Data Warehouse

ETL Tool:

- SAP-BI/BW
- Data Base Oracle

Corporate Trainer:

- Handled Online Classes for nearly 50+ Corporate executives from IT Industry and nearly 25+ Academic Student Community on one-to-one basis

Python Program - Course Outline

1. Introduction
2. Data Types
3. Operators
4. Input & Output Statements
5. Control Statements
6. Arrays in Python
7. Functions

One Day Work Shop – Practical Robotics

IETE, Hyderabad Centre was organized one day workshop on December 4 th . 2022at 9.30AM to 4.30PM in practical robotics boot camp for Engineers by Expert Speaker Sri Sahadev Komaragiri, Founder & Director Sohan Academy of Human Excellence

The Institution of Electronics and Telecommunication Engineers
Hyderabad Centre
Adjacent to Directorate of PG Admissions Office, O.U. Campus, Hyderabad - 500 007
hyderabad.iete@gmail.com, info@ietehyd.org, www.ietehyd.org

IETE cordially invites you to participate in the
One Day Workshop on
PRACTICAL ROBOTICS
BOOT CAMP FOR ENGINEERS
by Expert Speaker
Sri Sahadev Komaragiri
Founder & Director
Sohan Academy of Human Excellence

Prof. Nuli Namassivaya
Chairman

Sri Ashwani Kumar Sangamker
Honorary Secretary

On Dec 04th Sunday, 2022
9:30 AM - 4:30 PM

Registration link
bit.ly/ztz2w18

Registration Fee:
For Non - IETE Students - ₹500/-
For ISF Students - ₹400/-

About the Program

- 12 Robotics Activities
- Hands-On-Training
- Trained by Experienced Engineers
- Certificate on Course Completion

You will learn to work with

- **Microcontrollers:** Arduino UNO, Arduino Nano, ESP32
- **Basic Electronics:** Resistors, Potentiometers, Capacitors, Transistors, LEDs
- **ICs:** 555 timer, L293D
- **Sensors:** Touch Sensor, IR Sensor, Ultrasonic Sensor, RTC Module
- **Actuators:** Displays - 7 Segment Display, LCD Motors - Servo Motor, DC Toy Motor



About RiA (Robotic in Academics)

Robotic in Academics, a flagship program of Sohan Academy, aims to bring knowledge of Robotics to colleges. We have designed a simple training program to promote innovation in engineering colleges using the latest and greatest in technological advancements.

Our Program types include One Day Workshops, Hackathons, Robotics Exhibitions, Mini and Major Projects

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UPI ID: 83310181502.161@SBI

SCAN & PAY

Account Name: IETE
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Branch : SBI, Osmania University, Hyd
IFSC Code: SBIIN0020071

BHIM SBI Pay
BHIM UPI



ISF EVENTS

The IETE worlds student day was celebrated at **KG REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY** on 18th October 2022. The event consists of 3 programs: a jam session, poster making, and a fun blast. The event started at 2:00 pm with DR. M N Narsaiah Head ECE department who enlightened the audience about the importance of IETE. He mentioned that IETE strives hard to meet the present-day and future requirements in Computer Science, Electronics, Communications, and Information Technology. Periodic review and updating of the curriculum contents are done in tune with the state-of-the-art.

Registration fee:
 IETE member: 50/- (Per Activity)
 Non IETE member: 100/- (Per Activity)
 Spot registrations are available
 Google pay number
 Phone pay number
 Paytm number
 Please mention the activity name in your transaction
 +917013281837



Contact Us for more details:
 What's app : +917013281837



Excellence is a continuous process and not an accident.
 - Dr. A.P.J. Abdul Kalam

**Wishing you success on
 Student's Day!**

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**IETE STUDENT FORUM
 KGR CET
 ORGANIZING**

A.P.J. Abdul Kalam
 birth anniversary

In association with
 IETE Hyderabad Center

Event date:
 18th October 2022

Theme :
 Importance of Latest Technologies
 in Engineering
 18 oct 2022
 2pm to 4pm



Venue:
 KGR CET campus



world students day

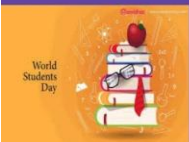
world students day is observed annually on October 15. The day commemorates the birthday of former Indian president A.P.J.ABDUL KALAM. His love for students, finds best voice. "dream dream dreams transform into thoughts and thoughts results in actions."

About IETE

the institution of electronics and telecommunication engineers (IETE) is India's leading recognized professional society devoted to the advancement of science and technology of electronics, telecommunication and IT, founded in 1955

ECE Department

Electronics and Communication Engineering is a dynamic and exciting area that provides excellent career opportunities in various areas of technology. The students are taught with critical thinking and problem solving skills as they accommodate their future with confidence



“

DETAILS OF THE PROGRAM
 2pm to 4pm
 18th oct 2022

ACTIVITIES:
 fun blast:



Icebreaker questions rapid fire
 Quick answer but funny

Poster/ memes:



theme will be announced during the session

JAM:



Topics:
 Abdul kalam,
 Gaming,cloud,AI/ML,palm tops

CHEIF GUEST:

Prof Nuli Namashivaya
 Chairman, IETE HYD

KGR CET Deligates:

Dr Y Vijayalatha, Principal
 Dr M N Narsaiah, Head ECE
 Department
 Mrs. Tuti Sandhya, ISF
 Coordinator

IETE Office Bearers:

Chairperson :K.Sai Priya
Vice chair : CH.Roshini
Secretary : J.Ranisowmya
Treasurer : K. Niharika Guptha



ISF EVENTS

Brief Report of IETE Orientation Program CMR College of Engineering & Technology (An UGC Autonomous) has organized orientation program of CMRCET IETE forum on 11-11-2022 at 2:00 PM at CMRCET auditorium. The Institution of Electronics and Telecommunication Engineers (IETE) is well known to all electronics / telecommunication / computer science / information technology students to build awareness amongst them for the mutual benefit. We have invited to Prof. Nuli Namassivaya, Chairman, IETE Hyderabad Centre, and he has delivered a talk on scope and benefits of IETE student forum. He told about the benefit of student and corporate memberships and emphasized on organizing technical event like Webinars, International guest lecturer and workshop to gain knowledge in upcoming technology. Dr. G. Devadas, Principal-in-Charge, CMRCET has delivered a speech about importance of professional memberships. Prof. E.N.V. Purna Chandra Rao (HOD ECE, CMRCET) has addressed the gathering and given the information about department activities and importance of IETE student membership. He has told the plan to organize technical events like technical seminar, Workshops and Conferences in our institution. Dr. M. Nagaraju Naik (Fellow of IETE, department of ECE, CMRCET) has addressed the gathering. Dr. Shamsul Hassan (IETE member and coordinator) and IETE committee members have actively participated to organize this event. On this occasion, IETE membership certificates and ID cards are distributed for newly joined IETE student member. In CMRCET, total 477 students have joined CMRCET IETE student forum.



సీఎంఆర్ లో ఐఈటీఈ..

మేడ్చల్, నవంబర్ 12: కండ్లకోయలోని సీఎంఆర్ సెట్ లో ఐఈటీఈ స్టూడెంట్ ఛాప్టర్ ను ప్రారంభించారు. ఈ కార్యక్రమానికి ఐఈటీఈ హైదరాబాద్ చైర్మన్ నూలి నమశ్శివాయ ముఖ్య అతిథిగా విచ్చేసి మాట్లాడుతూ.. ఐఈటీఈ ద్వారా విద్యార్థులు తమ పరిజ్ఞానాన్ని పెంపొందించుకుని, నేరుగా ఉద్యోగాలు చేసి స్థాయికి చేరువవున్నారు. ఈ కార్యక్రమంలో కళాశాల సీఈవో ఆర్.ఎస్. రెడ్డి, ప్రెసిడెంట్ దేవదాస్, డీన్ ఆకాడమిక్స్ విజయకుమార్, ఎన్ఎఫ్ఐ డీన్ ఫాతిమా మేరీ, ఈసీఈ హెడ్ పూర్ణచందర్ రావు, డాక్టర్ శ్రీనివాస్ రావు, ఐఈటీఈ కో ఆర్డినేటర్ నాగరాజు నాయక్ పాల్గొన్నారు.

Invited Talk

In view of the IETE 69th foundation day celebrations, the IETE Student Forum (ISF), CBIT and Navigation and Communication Research Centre (NSRC) of the ECE department of CBIT organized an Invited Talk by Shri. S. M Hafeez Ali, Asst Professor (Telecom), IRISSET, Secunderabad on the topic, "Telecommunication aspects in Indian Railways" on 2nd November 2022. The Program started at 10:30 AM and went along till 12:30 PM, coordinated by the Executive Board members of ISF, CBIT. The Head of the Department, Faculty members from the department and a total of 289 students from ECE (119 Sem III & 170 Sem V Students – including ISF members) attended the Talk. The session began with the announcement of the new Executive board of IETE Student Forum, CBIT for the year 2022-2023. Then, the Brochure of the Navigation and Communication Research Centre (NSRC) (Vol.2) was launched by the guest and the faculty coordinators. Later, the speaker was invited to the stage to start the talk session. The Speaker Shri. S. M Hafeez Ali has made the session very informative by delivering his talk with his presentation about the Telecommunication aspects in Indian Railways. The main points of the talk were Optical Fibre Cables (OFC) in Railways, Multi Protocol Label Switching (MPLS), Video Surveillance system (CCTV), Mobile Train Radio Communication (MTRC), Communication Based Train Control (CBTC), Data Networks and Video Conferencing services and Wi-Fi of Indian Railways. The session also covered the opportunities available for the ECE students at the Indian Railways and an idea about the Indian Railways Institute of Signal Engineering and Telecommunications (IRISSET). The Overall session was really very interesting and informative to the students. Sri. T. Sridher, Asst Professor, Sri. P. Ranjith, Asst Professor, and Sri.P.Chandrashekar Asst Professor are the faculty coordinators of this Invited Talk.



IETE Student Forum (ISF) Inauguration

With full enthusiasm IETE Student Forum (ISF) has been inaugurated at ECE Department, Guru Nanak Institute of Technology on 17th December at 12:00 p.m.

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT, founded in 1953. It is our gratification to inaugurate the ISF at the diamond jubilee year of IETE. The IETE Students' Forum of GNIT has been set up with 76 student members from ECE dept through the involvement of faculty members of the department. The IETE Centre, Hyderabad region provided support and coordination in the establishment of the forum.

The purpose of ISF is to give a platform for the student members to exchange ideas by organizing/participating technical programs and activities. They would get the benefit for technical visits / practical training / project work in R&D laboratories/ industries that increases their spirit of self-reliance and professionalism.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Associated with IETE

INSTITUTE STUDENT FORUM ACTIVITY

IETE

The Institution of Electronics and Telecommunication Engineers



Co-Coordinator
Mr. K Sanath Kumar
Assistant Professor, ECE

Coordinator
Dr. S.P. Yadav
Professor, ECE

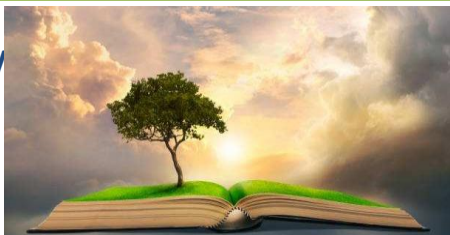
www.gnithyd.ac.in



Articale by

Dr. G. Vasudeva Murthy

Retired Scientist from DLRL



1.1 Conventional knowledge, which earns alms for man is essential, but it has no relation to one's own behavioural tendencies (nature). It is all about inborn nature that we are all bestowed with, by invisible God (nameless and formless) by birth, our evolutionary status. God is a phenomenon, only One, all pervading, and he is our Higher Self. He appears as invisible mind (Maya), source of all knowledge. What is not known to many of us, is that he resides at heart centre - Anahata (close to human heart) of invisible and subtle unknowable, but experienceable body, we call Soul.

☯ Subtle Body

It envelops physical body as Aura. Soul is illuminated by God to give expression to entire body. Just by HIS mere presence, Soul (the Kundalini Power – material energy -

कृत्), dissolves into Self at ripe time.

1.2 Every object is evolving Soul. God has no preferences to anybody. Every Soul is evolving to dissolve into Self at various transcendental states of nature, going by Universal Laws of matter. The nature decides behavioural tendencies. The Ultimate state is the true nature of God, the existence bliss, free of Ego (SAT CHIT). Sages of yore have set this as goal for man to evolve, namely realization of God.

We are all ensouled in sacred Mother's womb by God weeks after conception, which gives illumination or Consciousness to foetus. But it comes with backlog, the reserve material energy for lifetime, which we are supposed to redeem by way activity, we call Karma. Born as human at highest transcendental state, the time is ripe for us to experience God, our creator. Good deeds neutralize Karma and bring us close to God, and bad deeds accumulate to bring us back to netherworld (rebirth). We are caught in cycle of births and deaths over ages, and having been born as human, we are at highest transcendental state to realize God.

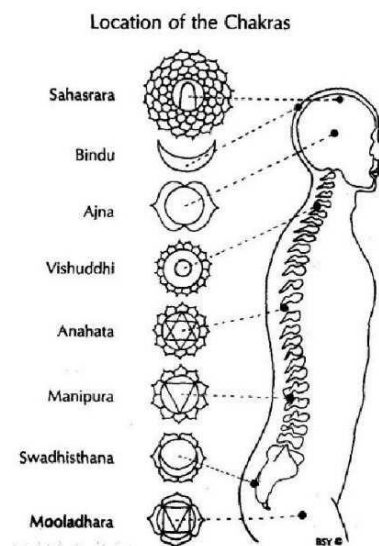
1.3 But we have no control on our destiny, and it is essential to know about the mysterious life which goes by God's will or MANAS. Everything happens in unconscious zone (metaphysics), and none of us are guilty of any of our vices and can take pride on virtues.

It is Ego that owns the virtues. We should ensure that we keep our Ego subdued, so that it does not turn into arrogance. The means is to surrender to God, losing proprietorship, which Yoga teaches. Egotistical arrogance closes all doors for Self-knowledge and results in self-destruction.

Supreme Self or God – a phenomenon – scriptural wisdom

2. Supreme Self (God), is a sub-atomic potency shrouding Ultimate Truth. It is called Universal Consciousness (Ādhyātma – आत्मा) or MANAS or subtle mind. It becomes 'Embodied Self' and gives expression to everything in existence (animate and inanimate), in material Universe.

2.1 It characterizes Heavenly medium (space), the constitution being Elastic Ether with sub-sonic content of AUM (ॐ). It envelops entire Universe. There is no disconnect. It is called Supreme Soul. The soul gives expression or



Courtesy: Prana and Pranayama
By Smami Niranjanananda
Yoga Publications Trust
ISBN: 978 - 01 - 86336 - 79 - 3

EGO or I-ness to every object ranging from small particles to huge planetary systems including Sun God, Moon, and Mother Earth and its inhabitants on land oceans and sky. **Humanity is no exception.**

2.2 God and Ultimate Truth (core) are two different things. Core is nothingness but co-exists with God (all knower) as sense or experiencer or all-knowing within body, unknowable. He is not attached. God gives birth to entire Universe through Supreme Soul or Heavenly medium. It is core, so near yet so far, that becomes the only sense in the body, deluded as if engaged in activity. Realization of God means disengaging from activity, while the activity goes on, and to become witness. **It goes by Universal Laws of Nature. All laws of thermodynamics are applicable.**

What is nature?

3.0 At the core, enveloping every object (Aura), is Divine Soul. Hence, divinity is built into everything in existence. It is Consciousness or illumination infused into us in Mother's womb, expressing the body, we are embalmed in. It functions as 'artificial Ego' (I-maker). It is basic substratum (Elastic Ether) on which there is a **grey material layer** in various grades, which presents us **perceptual world** on mind screen, unique our own. It is synthesis within, through perceptual sensors built into the body, we call nature. **As within so without meaning, everything what we see as outside world in reality happens within the body, we call field of activity or nature.**

3.1 Artificial Ego functions as **perceptual entity** (gross mind as we see the world when we open our eyes) with worldly impressions, engaged in activity. Five sensors, namely gyroscopic eyes (vision), tongue (taste), nostrils (smell), skin (touch), eardrums (hearing); are built into the body. Nothing beyond is required to perceive and experience the world. All communication is by speech, the sensor for which is also embedded into the body (vocal cords). **There can be no expression to any of these sensors without Soul, and soul is expression of Universal Self.**

3.2 The body is therefore instrument of world. Scriptures confirm that it is invisible Angel (Prakṛti – कृत्ति in Sanskrit) functioning as Soul, that becomes transcendental personality within perceptual body, we call instrument of world in layer 2. It becomes instrument of Universe in layer 1 (cosmic zone), beyond its tenure on Mother Earth. The highest transcendental state happens when Mother Angel dissolves into Soul, shedding material layer. This state is called (Puruṣa – पुरुषः in Sanskrit) or Ultimate Personality (Puruṣoṭhama – पुरुषोत्तम in Sanskrit).

3.3 It is comprehensible to only human species by wisdom bestowed by God, to all believers of God, existing within them at heart centre. All others (animate and inanimate) take beaten path, bending to God's will till they are withdrawn, deluded, without knowing the purpose of life.

3.4 The spiritual intellect (Ajñā Chakra - eyebrow centre) is part of Soul, and it is Mother of all arts, sciences, trades, and knowledge; more importantly, the Self-knowledge. **Hence, take any discipline, the knowledge comes from subtle body, we call nature. The teacher is none other than God himself.**

Nature of God

4.0 Man dwells in a body made of divine soul, we call **Puruṣa or transcendental personality**. He is born in universal mother's womb, with consciousness infused into him soon after conception, with three-fold material nature (Prakṛti – कृत्ति). They are:

a. **Sattva** (light and purity): Persons born with this nature are highly illuminating and empower others to deliver their best. They hold no opinion about others. **Ego bends to such people.**

b. **Rajas** (activity and passion): Persons born with this nature are highly passionate and get themselves engaged in infrastructure development. They look after themselves and people working with them. **They are sattva predominant.**

c. **Tamas** (darkness and inertia): Persons born with such nature are highly selfish. They put themselves above others and are highly critical about everything what others do. Some of them are very cruel.

4.1 Infinite humanity is born with mix only these three qualities. But these are material qualities, super imposition on one's true nature, that of Soul (Silence). **Everything happens within the field of activity bound by space (individual Consciousness)**. Nothing happens outside the individual, as within so without.

4.2 **The all-knowing of the field - its experiencer, is unnamed and unknowable**, not his image (energy body) as he sees himself in the mirror. He remains detached with everything that happens on its own, based on sensory perceptions with no perceptions his own. **Gender is an illusion**.

4.3 **The nature is expression of Soul, and therefore everything in nature can be termed as Nature of God**. Scriptures confirm this. All activities in perceptual world go by the in-born nature, we call **Prarabdha Karma**. Born as human, with fruits earned in the ongoing activities, man either realizes God or his true nature, or comes back to netherworld to redeem Karma.

4.4 But life is mysterious. It is always better to lead life losing proprietorship and following scriptural injunctions to lead harmonious life. They are listed as yamas (social restrictions) and niyamas (self-discipline) in Yoga. They appear as commandments in Holy Bible and HolyQuran. There is no place for hatred. It leads to self-destruction.

4.5 **Sattva predominant people are qualified to realize God**, and if not in the ongoing term, it happens in next life with all conditions favouring them. Scriptures confirm this. Otherwise also, Self-knowledge puts man above all guilt, and brings peace to the individual. **It helps man tread Divine path**.

Realization of God

5. Man is spiritual (making of his mind) by birth but unaware. Close to death, when the spirit prepares to disembody to recycle (re-birth), it creates inexpressible turbulence in human psyche in those who are Sattva predominant but tainted by some Tamasic qualities. Such feature is called **Malina Sattva**.

While disembodying, the spirit asserts that it is everything in nature and grounds EGO of the individual. It fumes poison into his mind bringing back evil traits if any, he experienced in the past. They include five enemies of mind namely: Kama (passion), Krodha (anger), Lobha (greed), Moha (infatuation or delusion or confusion), Mada (pride), Matsarya (jealousy). It will be close to disaster threatening very existence of man.

5.1 When Ego is grounded, it is **spiritual intellect** that takes over, and dwells on causes for turmoil, and if all conditions favour, a realized guru comes within the space as higher awareness and helps those who are close to realization, a near death experience. **Realized guru is no different from Embodied Self or God**. He tells the invisible individual that, born as human in a vehicle of consciousness, he is immutable witness in the body.

5.2 He advises him to invoke dormant power within him to meditate on Self. All meditation exercises that Yoga suggests go into routine and brings all activities to conscious zone. **This awakens spirit, Mother Angel, or Kundalini power, which expands plasma, and destroys material layer to transcend three-fold material nature**.

5.3 This happens to all those who have faith in God and Sattva predominant. Those who think that they are power their own, can never realize God.

5.4 When man dies natural death or by accident, disembodyment takes place after death, to come back to recycle. If the death is in criminal environment, the spirit might come back to take revenge.

Scriptural References

6. Bhagavad-Gita

Verse 1

6.1 Behold my extraordinary and unparalleled majestic transcendental opulence; My omniscient Self is maintainer of all living entities and protector of all living entities but never influenced by them or by material nature. Understand just as mighty wind blowing everywhere is always situated within space, similarly all living beings are situated within Me. (Bhagavad-Gita 09.05, 06).

6.2

6.3 Verse 2

6.4 One meditates on the omniscient, primordial, the controller, smaller than atom, yet the maintainer of everything; whose form is inconceivable, resplendent like the sun and totally transcendental to material nature (Bhagavad-Gita 08.09).

6.5

6.6 Verse 3

6.7 This (Self) knowledge is the king of all wisdom; the king of all that is confidential, the topmost in righteousness, purifying, able to be perceived by direct realization, very joyous to perform and everlasting. Persons devoid of faith in the righteousness of this devotion, unable to obtain Me; undergo repeated rebirth on the deadly path of miserable material existence (Bhagavad-Gita 09.02, 03).

6.8 Holy Bible

6.9 The Supremacy of the Son (Hebrews 1:1–14)

6.10 The Son is the image of the invisible God, the firstborn over all creation. For in Him all things were created, things in heaven and on earth, visible and invisible, whether thrones or dominions or rulers or authorities. All things were created through Him and for Him (Colossians 1.15-16).

6.11

6.12 Holy Quran

32.01 In the name of Allāh, the gracious, the merciful.

32.02 Alif Lām Mīm (I am Allāh, the all-knowing)

32.05 Allāh it is who created the heavens and the earth, and that is which between them, in six periods; then He settled on Throne. You have no helper or intercessor beside Him. Will you not reflect?

32.06 He will plan the Divine Ordinance from the heaven unto earth, then shall it go up to Him in a day the duration of which is thousand years according to what you reckon.

32.07 Such is the knower of unseen and seen, the Mighty, the Merciful.

32.11 And they say, 'What! When we are lost in the earth, shall we then become a new creation?' Nay, but they are disbelievers in the meeting of their Lord.

32.12 Say, 'The angel of death that has been put in charge of you will cause you to die; then to your Lord will you be brought back.'

Unquote

Conclusion

7. Einstein said, "Look deep into nature, and then you will understand everything better." The author has disseminated (vide paragraph 3 above) what all Einstein meant, byway of his own Kundalini Experience.

7.1 Life is mysterious, making of invisible mind (Maya), It is better to lead life losing proprietorship or Ego, controlling emotions, and tuning with everything in nature, without hurting or harming anybody.

7.2 Yoga means union of Individual Consciousness (Atma) with Ultimate Consciousness (Paramatma), also means realization of God.

7.3 If life is smooth, it is better not to attempt spiritual life, as it can end up in misery. Let everything in life happen spontaneously. Destiny guides.

7.4 For man who has good intentions about himself and about others, life will be smooth.

* * * * *

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