



## Dayalbagh Way of Life for Better Worldliness

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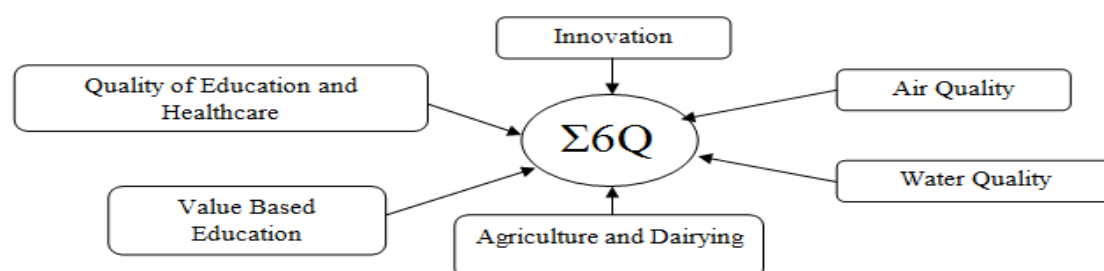
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**ABSTRACT:-** Dayalbagh is a hindi word, means the garden of the merciful lord established in 1915 on *Basant Panchami* Day of *Hindi* Calendar. Just next of the foundation of Dayalbagh, the academic building foundation laid down known as Radhasoami Educational Institute. Dayalbagh is neither a village nor a city. It is cleaned as cities and all the facilities for a healthy life. It is peaceful and eco friendly campus just like the village. There are neither tall buildings nor huts. People living here are very responsive about environment, sensible about education, conscious about safety, energy conscious, conscious about physical, mental and spiritual health, conscious about the service to others. The people residing in the campus believe in the economic way of living i.e. simple living and high thinking. Waste nothing (including thoughts, time, money, energy and whatever they poss) has been an important principle of everyone’s life. The paper deals with the Dayalbagh culture and way of life to make a world better livable world.

**Keywords:-** Better Worldliness, environment conscious, Health conscious, energy conscious, education conscious.

### I. INTRODUCTION

Everyone in the world is suffering from different types of problems. Someone is suffering due to needs not fulfilled, and someone is suffering due to unsatisfied greed. Mahatma Gandhi said once that the nature has given sufficient for everyone’s need but not for everyone’s greed. Everyone wants to achieve excellence in life, but in doing so, sometimes they forget about other’s comfort and peace. Hence, development in all the spheres is very important in all round developments of human being for better worldliness. In this paper, different kinds of consciousness have been discussed such as environmental consciousness, health (Physical, mental and spiritual) consciousness, educational consciousness and economical way of living (Economic consciousness). The marriages in Dayalbagh are very simple and economical. Here, the Dayalbagh way of life and Dayalbagh Culture has been presented as the role model for better worldliness. Dayalbagh Way of Life is based on **Sigma Six Q** as shown in Fig. 1.



**Fig. 1 Dayabagh Way of Life based on sigma six Q (Quality)**

Dayalbagh is located on the north of city of Taj (Agra) in India as shown in Fig. 1. It is surrounded by Yamuna from three sides. It is famous for its serene environment, quality life and value based education. In Dayalbagh, the person is neither poor nor extremely rich, lives neither in tall buildings nor in huts. They live

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simple life and have harmony with nature. The average age in Dayalbagh is about 70 years. The old age people over the age of 90 years or so also walking, doing agricultural work, involved in many types of mental work. This is due to Dayalbagh Way of life. The life starts in Dayalbagh with Morning Prayer in the lotus feet of supreme father, and then people do morning exercise at the common place, which is followed by voluntarily agricultural work for at least 2 hours which make the residents fit and healthy. The day activities end with evening prayer after giving thanks to supreme father. Everything is available since birth to death inside the Dayalbagh Area. It is a self - sustained colony. It is established in 1915 by Sir Anand swarup (Sahabji Maharaj, fifth leader of Radhasaomi faith. It completed 100 years of its foundation in the year 2014-15. The Dayalbagh ideals are of service to Mankind and Fatherhood of God and Brotherhood of Man. The satellite image of Dayalbagh is shown in Fig. 2.

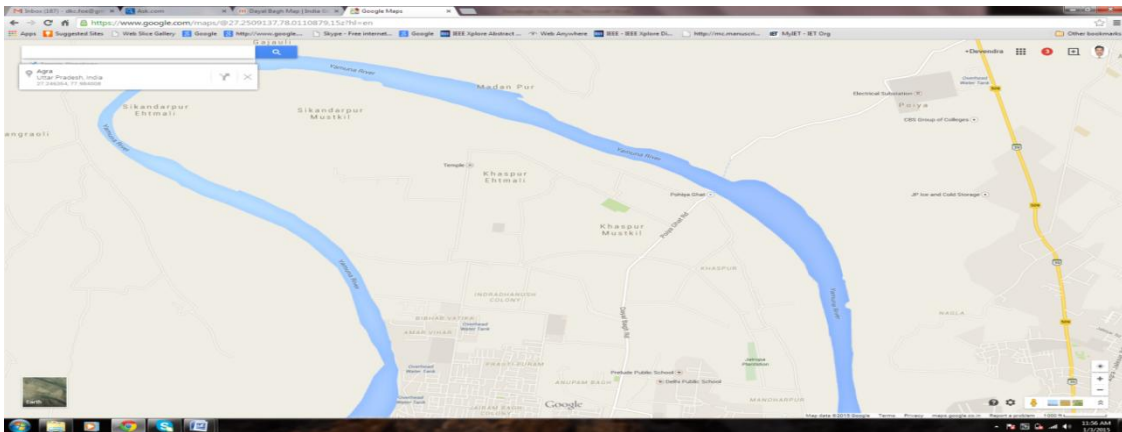


Fig. 2 Satellite image of Dayalbagh, Agra, India

Various aspects of Dayalbagh Life are discussed in the following sections.

### 1. Environmental Consciousness

The environments can be classified in the following two broad categories:

- a. External environment
- b. Internal Environment

In the modern times, the pollution is taking place in both the environments namely, external pollution and internal pollution. It is relatively easy to clean the external pollution rather than internal pollution, which is the pollution in human mind and thoughts. Internal pollution is much more dangerous. It can only be cleaned with internal activities like prayers, meditations and many such similar activities. First of all, the external pollution is discussed, and then talk about internal pollution.

#### A. External pollution

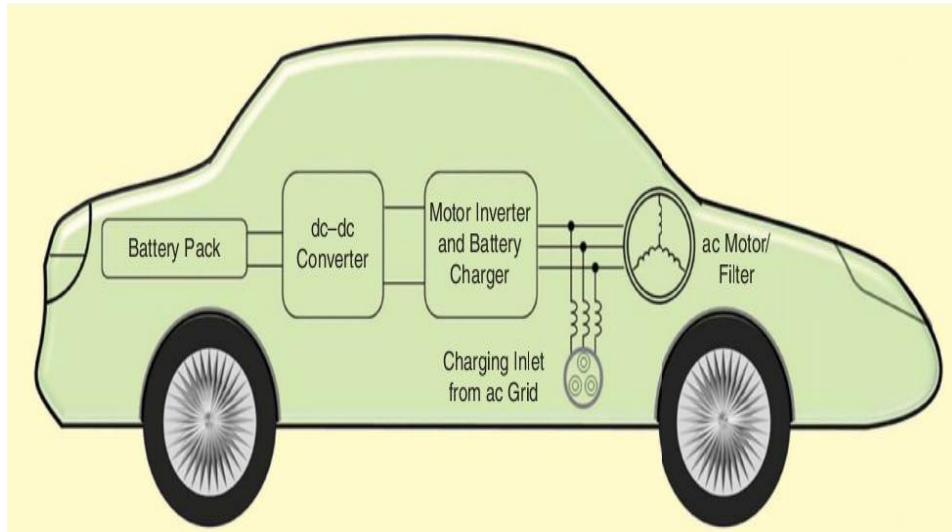
The external pollution is the pollution related to the outer world, which can be observed, measured with measuring instrument on a scale, controlled and reduced or eliminated. Mainly, the scientists talk about external environmental pollution; normally, they talk about carbon foot prints. The external pollution includes not only air pollution, but also sound pollution, water pollution and lastly environmental pollution (containing polythene bags, disposal of electronic goods, solar panels, mercury tube lights, lead-acid batteries etc.). The most hidden pollution is radio and EM frequency waves in the environment emitted by cell phones and communication towers and other digital and e-equipments.

This external environmental pollution can be handled with suitable efforts at different levels such as individual level, community level, society level, state and national level. Proper awareness and educational programmes will also play very important role in this regards. Government policies and support will also help in reducing external pollution. In Dayalbagh, people are very conscious about their external environmental pollution. The small children (upto grade 5) do community work on Sundays and collect polythene bags, plastics and keep their environment clean. With this work the children not only cleaning the colony, but at the same time they are learning a lesson of not throwing these environmental polluting things on roads and other places, but throw them in proper dust bins.

#### A. Clean Transportation

To reduce the carbon footprints in the residential area, the mineral oil or gas operated motor bikes are strictly prohibited, and the car usage is also restricted. The mode of transportation in Dayalbagh is mainly

bicycle, solar van and e-rickshaws. The old age people want to move they may use solar van or battery operated vehicle. Most of the people prefer to use the bicycle, because with the use of bicycle environment is protected; it is a good exercise and keeps you close to nature. While doing so people inhale fresh air and brain and heart become strong and active. In the modern times, doctors are also advising the people for different problems like joint pain, arthritis, sodalities, etc. to do exercise on a stationary bicycle.



**Fig.3 Solar Van for transportation**



**Fig. 4 Low Floor Battery Operated Vehicle for old age people.**

### **B. Clean Energy production and efficient consumption**

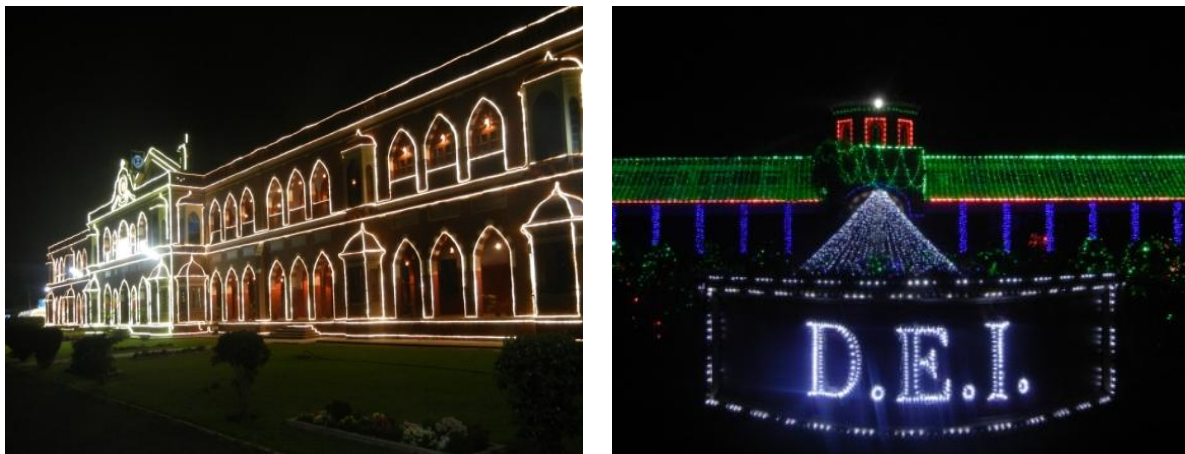
Renewable energy is getting up its pace to overcome the problems of energy shortage and green or clean energy production. Germany is on the top in the globe for solar power generation. Indian government is also taking a lot of interest in solar and wind generation. Dayalbagh University is the first Indian university which completely solar powered. All the roof tops of university building, solar panels are installed and 650 kW solar power is already generating with an aim to generate 1MW in the year 2018. Most of the houses in Dayalbagh are also having solar power installation of average capacity of 1.5 kW. Hence, it is power independent area. In summer, when plenty of sunshine is there and solar power generation is in excess (more than the demand), power export to the conventional grid and help the others. All the university hostels and community colony kitchen are having solar thermal installation as shown in Fig. 5(b) for cooking, so that less or no fuel needed.

On energy consumption part, The persons in Dayalbagh use the energy-efficient compact fluorescent light (CFL) and light-emitting diode (LED) lights as shown in Fig. 6. Ventilating loads in residential areas and offices are also reduced by appropriate design of buildings (high roof), so that nature air circulation will reduce

the energy requirement for ventilating loads. Only solar air conditioners are allowed in the residential area, so that there will not be any additional energy requirements. Dayalbagh area is very green which keeps the environment cool and artificial cooling load is reduced.



**Fig. 5 (a) Solar PV modules for electricity generation (b) Solar power generation and Solar-thermal heating system for hostel cooking.**



**Fig. 6 LED lighting buildings on special occasions.**

### C. Community kitchen

To save energy and make efficient cooking, community cooking is the best way. It is successfully working in Dayalbagh since last many years. In the community kitchen, the thermal solar cooking, electric induction heating and gassifier system is the non-polluting way for community cooking. In the community kitchen, the retired persons and those who are free in daytime work as volunteer and utilize their time while doing community service.



**(a) solar-thermal heating**

**(b) Gassifier system**

**(c) wood chipper machine**

**Fig.7 Energy generation for community cooking**

### C. Green Environment – Air, noise, water pollution conscious

The Dayalbagh Campus is completely green campus and government declared it as eco –village. The Peacocks and many other birds can be seen in the campus as shown in Fig. 8. Due to restrictions in oil operated vehicles in the campus, there is no air and sound pollution. Dayalbagh is using well water for drinking and time to time we are monitoring the water quality and maintain it. Earlier, the drainage water of the city was directly

dropped into river Yamuna. Now Dayalbagh gave sufficient land to government for setting up a Sewerage Treatment Plant (STP) as shown in Fig. 9, which is working and the treated water is used by Dayalbagh for irrigation purpose in agricultural fields.



Fig. 8 Birds normally seen in campus besides many others



Fig. 9 Sewage treatment plant (STP) Google map

#### D. Water conservation

In the Campus almost all the buildings are having the facility to collect the rain water and recharge the underground water table (Fig. 10). The water is also economically used. The water is supplied only for one-hour morning and one-hour in the evening to limit its consumption.

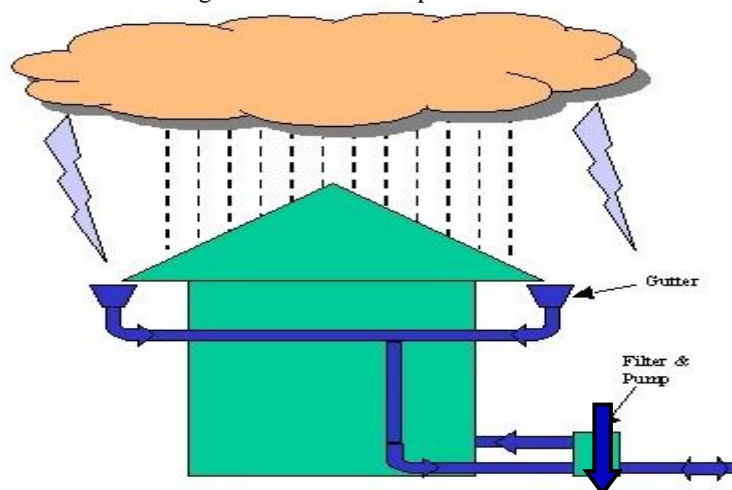


Fig.10 Rain water harvesting to recharge underground water table.

#### E. Marriages in Dayalbagh

There is a extremely good arrangement of selecting the suitable matches and highly economic way of doing weddings in Dayalbagh. There are two bodies responsible for marriages in Dayalbagh. One is the marriage *panchayat* (registration), where marriageable boys and girls are registered. The alliance is made based on the agreement of boy and girl and their family members. Once the marriage is settled, then *vivah sangam* (Marriage alliance) gives suitable date after three successful marriage counseling and submitting medical reports from qualified doctors. On the wedding day, engagement ceremony is done at agricultural fields to teach the importance of work with own hands to newly married couple. Then in afternoon marriage is done, where the marriage lunch is organized by the marriage *panchayat* on the payment basis for one hundred persons. No

dowry or any show ups is allowed in Dayalbagh marriages. The marriages are held in Agricultural fields while working there. The couple has privilege do special prayers in evening prayer assembly. Post marriage counseling facility is also available if required.

## II. SAFETY CONSCIOUS

Every night, the residents between age group 18 to 60 years give night pehra (take rounds in the colony) and keep the colony safe from undesired elements. There are warning bells at different locations in the campus to use in unusual situations to gather the other members of the colony for help. Small children (upto grade 5) give summer day pehra during summer vacations when most of the houses become vacant, because people go outside to enjoy their holidays. These children are trained how to react in odd situations and call others for help.

## III. HEALTH CONSCIOUS

Everyone in Dayalbagh follows a set routine, which makes a person healthier and disease free. All the people in Dayalbagh are pure vegetarian, because non vegetarian food is heavy and increase fat. Furthermore, it creates problems in settling up the mind during meditation. Scientifically also it is proven that non vegetarian food is not good for health. There is no meat shop in the area. For day-to-day problems person prefer to take alternate therapy such as physiotherapy, homeopathic and ayurvedic medicines, whose side effects are not there. If it is essential, then only go for allopathic treatment. Normally, the person here eats simple non-spicy food and takes care of calorific intake and calories burnt, which shows their health consciousness.

For better physical development, everyone in Dayalbagh follows a set routine, which makes a person healthier and disease free. All the people in Dayalbagh are pure vegetarian, because non vegetarian food is heavy and increase fat. Also it create problems in settling up the mind during meditation. Scientifically also it is proven that non vegetarian food is not good for health. There is no meat shop in the area. For day-to-day problems persons prefer to take alternate therapy such as physiotherapy, homoeopathic and ayurvedic medicines, whose side effects are not there. If it is essential, then only go for allopathic treatment. Normally the people here eat simple non-spicy food and take care of calorific intake and calories burnt, which shows their health consciousness.

### Better physical development

#### i. healthy and non-adulterated food

Most of the foods like pulses, rice and wheat, etc. are grown up in the agricultural fields by volunteers. Hence there is no chance of adulterations. In Dayalbagh, there is a dairy farm contains 100 cows and 50 buffalos, which caters the colony needs of milk.

#### ii. Agricultural work

Dayalbagh Radhasoami Trust has 1200-acre land for agriculture, in which wheat grain, rice, pulses, sugar cane and mustered, etc. are produced. To keep the people physically healthy and fit, regular agricultural work is not only helping them, but it is essential to get pure food. Working in the agricultural field teaches a great lesson of dignity of labour. It has been said, “Not shirk from manual work and respect those who till and toil with their hands.” Without continuous and unrelenting work nothing is achieved. In the agricultural field, the organic and bio –fertilizers are used, which maintains the quality of food. Gandhi ji said, “The earth provides enough for every man’s need, but not every man’s greed.” This greed of man created ecological imbalance on this earth planet.



(a) Sugar cane crop

(b) Pedy crop

(c) Volunteer working in Agri. Fields

**Fig. 11 different crops produced in Dayalbagh fields**

### iii. Community health care system with integrated therapies Allopathic, Homoeopathic, and Ayurvedic

In Dayalbagh, highly qualified doctors are offering their services voluntarily to keep the community people healthy. The Saran Ashram Hospital is an allopathic hospital with all modern facilities for gynecological and delivery section, eye care, dental care, heart care, general physician, pathology section and 7 beds for emergency, etc. Also a team of doctors available daily in the morning agricultural field and advice free of cost everyone who comes over there for their problems. Regular medical camps have started for nearby villages to keep villagers healthy. In these medical camps allopathic doctors, homeopathic doctors and ayurvedic doctors also available. The doctor's consultation is also available through telemedicine to the persons living in remote areas.

## IV. EDUCATION CONSCIOUS

Education, More Education, Education made perfect is the only panacea for all country's ills and evils.

Most Revered Sahabji Maharaj Sir Anand Sarup Kt.

**Fifth revered Leader of Radhasoami Faith**

If we wish to bring into existence a community of Superman and build institutions to serve as models to all those working for the uplift of humanity, we have to plunge into the arena of hard and relentless work and discharge our duty in a spirit of dedication, but always with a feeling of humility that is only the Divine Grace that takes us forward step by step.

Most Revered Huzur Dr. M.B. Lal Sahab

For all round developments of human being education at all three levels are important namely, physical, mental and spiritual [6-7]. In the present educational system everyone talks about physical and mental education for better outer self, but no one talks about better inner-self i.e. spiritual education. In Dayalbagh, The education is offered at all three levels and tried to maintain a balance between outer self and inner self to develop a complete person.

From nursery and play center level to university level, low cost quality education integrated with proper blends of ethical, moral and spiritual values, to make people more duty conscious and develop patriotism. The university education is multidisciplinary and work experience based education. University has signed MoU and collaborations with many national institutions (such as IIT, Delhi, Tata Institute of Social Science Pune, DRDO, Delhi etc.) and international universities like University of Waterloo, University of Maryland, etc.) University is offering vocational courses in synchronous and distance mode to remote rural areas to uplift rural people. It has 94 such centers in India. DEI is awarded 'A' Grade by National Assessment and Accreditation Council (NAAC). We believe in innovation. A lot of experimental work and research are going on in the area of solar power generation, efficient utilization and storage. We are continuously monitoring the water and air quality.



**Fig. 12 Faculty of Engineering**

## V. INTUITIVE CONSCIOUS

For better Spiritual development prayers and meditation have a great role in life. These things make a person more intuitive conscious. To overcome the day-to-day stresses and tensions of life regular spiritual practice is essential and it changes the way of life [2, 3, 4]. A Community prayer hall, whose capacity is to accommodate about 15,000 members for prayer as shown in Fig. 13 available in Dayalbagh.



**Fig. 13 Community prayer hall**

## VI. CONCLUSIONS

The paper deals with the Dayalbagh culture and way of life for better worldliness. It's very different and not based on any religion. It is a mixture of westerly progressive thoughts and easterly spiritual values. Western communities are good in science and eastern people are good on spiritual part. Dayalbagh culture is adopting good things from both the systems. No traditions are followed in marriages like caste, color or creed. Marriages are simple and counseling is done before and after marriage, if required. The values inculcated in the children since birth. No blind traditions are followed in funeral as well. The ultimate objective is to develop brotherhood of man and fatherhood of god.

## REFERENCES

- [1]. M. Sahab (mishra B.S.) 2004, Discourse on Radhasoami Faith (with supplement), Dayalbagh Agra, India: Radhasoami satsang sabha.
- [2]. Chaturvedi D. K., Manish Arya "A Study of Correlation between Consciousness Level and Performance of Worker" *Industrial Engineering Journal* 6.8 (2013): 40-43.
- [3]. Chaturvedi D. K., Lajwanti, Tsai Hui Chu, Kohli H.P., "Energy Distribution Profile of Human Influences the Level of Consciousness" Towards a Science of Consciousness, Arizona Conference Proceeding, Tucson, Arizona, 2012
- [4]. Hui Chu Tsai, Hari Cohly, Chaturvedi D.K., "Towards the Consciousness of the Mind" Towards a Science of Consciousness, Dayalbagh Conference Proceeding, Agra, India, 2013.
- [5]. Churchland, P. S. (1986) *Neurophilosophy: toward a unified science of the mind-brain* Cambridge, Mass.: MIT Press.
- [6]. Satsangi P.S. (2010), *Cosmology from the twin vantage points of Radhasoami Faith and Systems Science*, Vision Talk, Int. seminar on Religion of Saints ('Sant') – Radhasoami Faith, DEI, Dayalbagh, Agra.
- [7]. Satsangi P.S. (2011), *Cosmology of Consciousness: Towards Quantum – Theoretic Systems Modeling: Spirit-Mind-Brain Interaction*, Vision Talk, CONCENT – 2011, Inaugural Workshop of the Centre for Consciousness Studies, DEI, Dayalbagh, Agra, Abstract – pp. 50-67.

## BIOGRAPHY



D.K. Chaturvedi did B.E. (Elect. Engg.) from Govt. Engg. College, Ujjain (M.P.) in 1988, M.Tech. (Engg. Syst. and Management) in 1993 and Ph. D. (Power Systems) in 1998 from DEI, Agra (U.P.). Presently, he is professor in the Deptt. of Electrical Engineering, Dayalbagh Educational Institute (Deemed Univ.), Dayalbagh, Agra. He is awarded BOYSCAST Young Scientist Fellowship by DST, Government of India, Tata Rao Medal Award IIE, 1999, Dr. P.S. Nigam U.P. State Power Sector Award – 2005 and 2007, Mussadi Lal Memorial Award, IE India, 2007 and many more. His research interests are in the area of Soft computing techniques in Modeling, Simulation and control of Power Systems in general and renewable energy in particular. He had involved in the project of Design and Development of Solar Vane in DEI. He had published four books from Springer, CRC press, and chaired and co-chaired many national and international conferences. He published more than 250 research papers and reviewed many papers of IEEE, IEE and many other reputed journals. He is a fellow of IIE, ASI, IETE, Sr. Member, IEEE and member of many professional bodies like IEE, ISTE, SSI etc.