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Going Green : A Doorway Towards Circular

Economy

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Abstract: The term "Going Green" is a very important term in present world and normally means performing those types of practices and activities by normal human beings which will not only go on to help in minimising negative impacts of modern day's environmental problems but will also help in reducing waste generations, increase in conserving activities of natural resources, etc.

Therefore the term going green normally refers to that types of lifestyles which goes on to help in becoming a much more environmentally conscious individual which in turn will help in generating less amount of wastes, cause less amount of pollution, which in turn will go on to create a proper living conditions for not only the current generation but also for the future generations to come in our planet Earth.

This study has been undertaken to understand the benefits of going green and how various other components of the modern society can help us to go on in the process of creating our planet Earth a better place to live in. This study has basically been explorative to find out the general awareness and understanding of the common and ordinary persons of our society regarding how to lead a proper and urgently needed environment friendly life and the required data needed for this research work has been collected through various methods of primary and secondary data collection.

Keywords: Going Green , Green Education , Green School ,Green College , Green University , Green Bank , Green Market , Green Hospital , Green Hotel , Green Buildings , Green Infrastructure , Green Jobs , Green Citizen.

I. INTRODUCTION

The concept of going green is a very recent concept and the idea has actually gained much importance due to the modern day's environmental problems which is causing serious problems for normal living and normally refers to adopting of certain lifestyle practices and procedures which will help in protecting the surrounding environment to protect and safeguard normal living of not only the current generation but also of the future generations to come in our planet earth.

Now as normal living in a society deals with various other units or organisations of our society proper green living can only be possible when other units also adjust themselves according to the standards expected to maintain proper environment friendly life.

Some important and essential components of our society which will help an individual to lead a proper environment friendly life are as follows :

Green Education: Green education can be referred to as that type of education which normally goes on to help a particular individual to learn or acquire those types of knowledges which are needed to understand the various types of environmental problems like adverse climatic changes, increase in various types of pollutions like air pollution, water pollution, soil pollution, etc, or problems related to exhaustion of our scarce natural resources, and therafter helps in knowing the measure or methods needed to fight against the negative impacts of these adverse environmental situations and help in gradual movement towards overall sustainable development (Deepshikha Aggarwal, 2023).

Green School : A Green School refers to that type of schools which normally tries to go out of their regular routine education systems and help the students in understanding how to lead a healthy life to move the modern world

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alongwith the living beings living there towards a better and a sustainable place to live in. Green schools are those types of schools which specifically moves towards fighting against the negative impacts of adverse climatic changes alongwith concentrating on reducing unnecessary wastages of water, energy, etc, and putting emphasise on reducing generation of wastes (www.centerforgreenschools.org).

Green College : Green College will refer to that type of organisations which goes on to accept and incorporate those measures which will help in increase in usages of natural lighting, improve the surrounding air quality and reduce as much as possible unnecessary wastages of energy and water resources. Thereafter we see that an eco-friendly college can also develop their own kitchen garden to provide fresh foods to their students alongwith implementing the practices of composting the leftover foods to use it as a fertiliser on the campus garden, etc., (www.princetonreview.com).

Green University : Green Universities can be referred to as that type of universities which specifically aims towards sustainable development by adopting those types of activities which will go on to help in development of a sustainable society (Pham Van Thinh 2024).

Therefore we see that an green university is an institution which can be referred to as that type of institution which will basically go on to adopt some measures like a) Making it's students aware of sustainability ideas through various methods of curricular or extracurricular activities b) The university should aim to reduce carbon emissions as much as possible by introducing the usage of various types of renewable energy sources c) should target to increase biodiversity as much as possible or can create a campus garden to produce organic food and stay away from usages of various types of toxic materials or harmful chemicals d) should target to reduce unnecessary wastages of water and other scarce natural resources by implementing the ideas of recycling , reusing of water , etc (www.greenofficemovement.org).

Green Banks: Green Banks are those types of institutions which can normally be stated as mission driven (www.coalitionforgreencapital.com) towards increasing the usage of renewable and clean energy in the society and fight against the negative impacts of adverse climatic changes.

Green banks normally goes on to use various different methods of financing like loans, bonds, etc to finance those types of projects which goes on to promote more and more usage of renewable and clean energy and help in reduction of emissions of carbon and other greenhouse gases (www.coalitionforgreencapital.com).

Green Market : The concept of Green Market can be referred to that physical location for selling products which is actually based on the idea of concentrating on those types of products or services which have certain environmental value or benefits and the basics of a having a green market will depend on adopting and implementing various overall sustainable business practices , procedures , measures and activities , etc , like dealing in various types of environment-friendly products and services alongwith adopting and introducing various types of environment-friendly packaging systems which in the process will go on to spread awareness of becoming a environmentally conscious individual.

Green Hospital : This concept of green hospital got introduced into the scenario specifically to fight against the negetive impacts of adverse climatic changes which are causing specific health related problems for modern day's human beings throughout the world. The idea of green hospital was specifically introduced to increase the efficiency of utilisation of the scarce natural resources alongwith reducing carbon emissions from this healthcare sector to reduce the overall negative impact on the surrounding environment. In this regard we see that this concept of green hospital goes on to incorporate the ideas of accepting and introducing the usage of factors like usages of natural lighting as much as possible , accepting and implementing usage of renewable energies to reduce the carbon emissions , implementation of proper waste management techniques and strategies including techniques and strategies for proper management of medical wastes , implementing proper methods of water conservations, etc, alongwith introduction of having green roofs and other sustainable management processes and practices (Alexandre Vallee , 2024).

Green Hotel : Green hotel normally refers to that type of hotel or properties which has specifically made some adjustments or improvements to its structure and services to not only help in reducing their adverse impacts on the surrounding natural environment but will also help in ensuring that the guests of the hotel are staying in a safe & non-toxic environment. Some adjustments or improvements which can be done or introduced by the hotel authorities to introduce the concept of green hotel can be like introducing usages of renewable energy sources as well as usages of energy efficient lighting methods ,introducing usages of nontoxic housekeeping practices like introducing usages of non-toxic cleaning methods or reusing the same linens when the room guests are staying for more than one nights or

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introducing the usages of organic soaps, etc, alongwith introducing the practices of serving local or home grown organic food and introducing a suitable method of greywater recycling where the water from kitchen, bath or laundry will be recycled for reusing for gardening and landscaping purposes (en.m.wikipedia.org).

Green Building : Green building which can also refer to as sustainable building normally refers to that type of construction method and techniques which goes on to specifically consider the environmental factors alongwith efficient utilisation of resources throughout the life cycle of those types of buildings which are known as green buildings (https://en.wikipedia.org). Therefore we see that the concept of green building normally refers to those types of plans , projects , techniques or methods which will go on to reduce the negative impacts of adverse climatic changes and helps in improving the surrounding climatic conditions. It is also expected that introduction of green building techniques and methods will go on to help in preventing unnecessary wastages of scarce natural resources alongwith help in reducing unnecessary wastages of energy and water resources. Thereafter it is also expected that green building techniques will also help in proper usage of recycled materials and increase in quality of normal living by reducing usages of non-toxic materials (www.housing.com).

Green Infrastructure : Green Infrastructure can be referred to as that type of infrastructures which goes on to help in solving various types of urban related climatic problems by adopting and introducing various types of measures like proper management of storm water, adopting and introducing proper measures to increase the quality of the surrounding air , implementing proper measures , technologies and techniques to provide clean water for day to day living and performing various daily activities , developing sheds and shelters at various places of the cities and towns , increase the usages of renewable energy sources and if possible develop urban forests to increase the overall quality of life living therein , etc (www.en.m.wikipedia.org).

Green Jobs : Green Jobs specifically refers to those types of jobs which will go on to help in reducing unnecessary consumption or wastages of scarce energy, material, water or various other different types of natural resources alongwith helping in protection of the surrounding ecosystem and biodiversity and in the process which will obviously go on to help in reduction in generation of all types of wastes, pollutions and carbon emissions. Therefore we can say that green jobs are those types of jobs which will help in protecting the surrounding environment from further degradation and help in making our planet earth a proper and better place to live in(www.en.m.wikipedia.org).

Green Citizen: The term green citizen can be used for those individuals who performs their day to day activities after taking into considerations the ideas or concepts of protecting the environment of our planet earth from further degradations. In order to become a green citizen an individual human being has to make some changes in their day to day life style which can be in the form of using less amount of water for performing daily activities or keep the electric appliances switched off when we are not using them to save the energy resources , or develop the habits of using various types of recycled materials to avoid unnecessary wastages of scarce natural resources , etc , (Alex Tabibi , 2021).

Objective of the Study :

The basic objective of this study is to explore and find out the level of awareness among the general population of our society regarding how to live a proper life after taking into consideration the environmental factors or the problems there on , so that the current as well as the future generations does not face any hazardous environmental situations.

II. LITERATURE REVIEW

Deepshikha Aggarwal in her article, "Green Education for a Sustainable Future" stated that proper green education of the modern human beings of the modern world has a very important role to play in promoting sustainable development of the modern world countries or regions by helping various different types of individuals of the modern societies of the world to gain the required awareness regarding various types of adverse environmental issues like negetive impacts of serious issues like adverse climatic changes , loss of biodiversity ,unnecessary increase in different types of pollutions throughout the world , etc , and help them to learn and understand the required knowledge , skills , etc to fight against these various types of environmental challenges and work towards a more sustainable future of the entire world.

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Alexandre Vallee, in his article "Green Hospitals face to Climate Change : Between Sobriety and Resilience "stated that healthcare systems goes on to contribute a great percentage of the total global carbon emissions which in turn goes on to adversely affect various types of environmental factors and creates a great threat to the overall health conditions of the general population of the modern world. In this regard the concept of "Green Hospital "goes on to introduce the concept of increasing the resource efficiency and minimise the overall environmental impacts and introduces the concept of utilising renewal energy sources as much as possible alongwith introducing the ideas of utilising natural lighting , green roofs , sustainable materials , etc , and specifically takes up the ideas of doing proper waste management , proper water conservation , proper usages of various types of chemicals , plastics , etc. Therefore it is extremely needed to properly reform the healthcare management systems to go with the ideas of having sustainable practices needed for having sustainable health condition of the global population.

Pham Van Thinh in his article "Green University Model - World Trend and Policy Implications for Vietnam "stated that now in modern world the concept of "Green University "model is developing at a very fast rate and is becoming a mainstream trend in the area of modern higher education system of the modern world. The main idea of this concept of green university is to integrate the idea of having sustainable development for developing a much better, prosperous, safe and a developed society by fighting against various types of environmental problems and develop the quality of life of the people living there.

Almas Heshmati in his discussion paper, "A Review of the Circular Economy and it's Implementation " stated that a Circular Economy model can be referred to as a strategy for sustainable development to fight against the serious environmental problems to stop further degradation of our surrounding environment and solve the problem of scarce natural resources. The basic concepts of a circular economy is that all materials can be recycled, all energy are derived from renewable energy sources and activities are done to support the natural ecosystem to develop a healthy society with healthy people.

III. RESEARCH METHODOLOGY

This research study has basically been exploratory and was undertaken to find out the awareness among the most common and ordinary population of our society about going green or on how to live a proper environment friendly life and the data needed for this research work was collected through various methods of primary and secondary data collection.

Direct Method

First of all a questionnaire was specifically designed and developed to collect information from the common and ordinary people of our society about their awareness regarding the various methods of living a proper environment friendly life.

Thereafter an offline survey was conducted. The offline survey was done by a face to face interview of the respondents who either belongs to the city of Kolkata in the state of West Bengal of India or lives in the outskirts of the city of Kolkata.

The respondents belonged to the various sections of our society and included students of colleges, universities, various other different types of professional as well as academic institutes, office bearers of various organisations, ordinary and small businessmen, retailers, housewives, etc.

Due to various types of constraints like time, money, workforce, etc, the sample size was kept at 50 and it consisted of both men and women who belongs to the various age groups and are engaged in various different types of occupations like service, business, various other different types of profession, teacher, etc, in various different sectors like education, bank, finance, manufacturing, construction, hospitals, hotels, retail and departmental stores, other service sectors, etc.

The responses has been very sporadic basically due to the ignorance about ' Going Green ' methods among the common people of the society.





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Indirect Methods :

Secondary data has been collected by doing both online and offline research work and the needed and relevant data was collected from various published articles in various journals, magazines, websites of organisations, blogs, newspapers, etc.

IV. FINDINGS

The data obtained after applying the above mentioned techniques mentioned were analysed properly and mentioned below.

Figure 1 : Gender Percentage of the Respondents



The overall sample size consisted of 54% male respondents and 46% female respondents.

Figure 2 : Age Group Percentage of the Respondents

Age 50 responses



The age group was divided as below 21 yrs, from 21 yrs to 32 yrs, from 33 yrs to 45 yrs, from 46 yrs -60 yrs, above 60 yrs to understand the actual understanding of going green or actual understanding of how to lead a eco-friendly life at different age groups according to the overall maturity of the human life and it is seen that 10% of the respondents belongs to the age group of below 21 yrs, 18% of the respondents belongs to the age group of 21 yrs to 32 yrs, only 4% of the respondents belongs to age group of 33 yrs to 45 yrs, 54 % of the respondents belongs to the age group of 46 yrs to 60 yrs and 14% of the respondents belongs to the age group of above 60 yrs.

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The respondents were chosen from various occupational sectors to know their actual level of understanding of going green from their experience of working in various different types of sectors. From the above survey we see that 28 % of the respondents belongs to the service sector , 12% belongs to the business sector , 10% belongs to the other professional sectors , 12% are teachers , 16% are students , 14% of the respondents belongs to other occupational sectors and 8 % of the respondents are just housewives ,

Figure 4 : Sector Percentage of the Respondents



The respondents were randomly chosen from various different types of sectors like schools, colleges, universities, other professional and academic institutes, banks, constructions, aviation, hospital, hotel and restaurants, manufacturing, transportation, media, finance, legal, etc, etc. As shown from the above chart it is seen that 10% of the respondents belongs to college sector, 8% of the respondents belongs to the university, 14% of the respondents belongs to various other different types of educational and professional institutes, 4% of the respondents belongs to schools, 12% of the respondents belongs to various different types of professions, 6% of the respondents belongs to the hotel & restaurant sectors, 4% of the respondents belongs to the finance sector, 4% of the respondents belongs to the aviation sector, 8% of the respondents are ordinary housewives and rest 24% of the respondents belongs to various other different types of sectors.

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Figure 5: Percentage of Respondents having knowledge about Green Education



As per the survey it is seen that most of the respondents who belongs to the education sector like schools, colleges, universities and various other different educational or academic institutes knows about green education and overall about 58% of the total respondents knows about green education.

Figure 6 : Percentage of Respondents having knowledge about Green School



As above it is seen from this survey that respondents who belongs to the education sector like schools , colleges , universities and various other different types of educational as well as professional institutes knows about the concept of green schools and overall something about 56 % of the respondents know about green school.

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The survey shows that 56% of the overall respondents who specifically comes from the education sector and can be regarded as youths of the modern generation knows about the concept of green college other than this respondents belonging to other sectors and who cannot be regarded as youths of modern generation has very few knowledge about the concept of green college.

Figure 8 : Percentage of Respondents having knowledge of Green University



This survey shows that 56% of the overall respondents who are specifically engaged with the education sector knows about the concept of green university, other than this respondents belonging to other sectors have very less or practically no knowledge about the concept of green university.

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This survey shows that individual respondents who belongs to any type of service or professional sectors knows about the concept of green banks and overall 44% of the respondents knows about green banks.

Figure 10 : Percentage of Respondents having knowledge of Green Market



This survey shows that only 12% of the overall respondents who are specifically related to the education or research sector knows about the concept of green market other than that very few common people has knowledge about the concept of green market.

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Figure 11 : Percentage of Respondents having knowledge of Green Hospital



The survey brings out that persons belonging to the education sector and specifically those engaged with the hospital or medical sectors has some knowledge of green hospital other than this other common people does not have proper knowledge of green hospital and overall somewhat about 34 % of the total respondents have some idea about the concept of green hospital.

Figure 12 : Percentage of Respondents having knowledge of Green Hotel



As per as the concept of green hotel is concerned the study shows that with modern day's various forms of advertisement and other awareness methods respondents specifically belonging to cities knows about the concept of green hotel other than this, respondents residing in other parts have very little or no knowledge of the concept of green hotel and overall somewhat about 44% of the total respondents knows about the concept of green hotel.

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Figure 13 : Percentage of Respondents having knowledge of Green Buildings



This survey shows that respondents specifically belonging to the construction or industrial sectors have some knowledge of green buildings other than this respondents belonging to other sectors has very few knowledge of green buildings and overall only 24% percent of the respondents has knowledge of the concept of green buildings.

Figure 14 : Percentage of Respondents having knowledge of Green Infrastructure



This survey has pointed out that respondents specifically belonging to the education sector or the construction sector or the Industrial sector has some knowledge of green infrastructure, other than this respondents belonging to other sectors has practically no knowledge of green infrastructure and overall only 22 % of the respondents has some knowledge of green infrastructure.

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This survey has revealed that with various types of modern day's awareness programs respondents residing in cities and belonging to the education sector and the service sector has some knowledge of green jobs, other than this respondents residing in other areas and belonging to other sectors has little knowledge of green jobs and overall somewhat arround 56 % of the respondents have ideas about the concept of green jobs.

Figure 16 : Percentage of Respondents having knowledge of Green Citizen



Do You Know Green Citizen 50 responses

This survey has brought out that with modern day's various types of awareness drives which are getting conducted not only by the corporates but also by various schools, colleges, universities and other different types of educational as well as professional institutes has raised some consciousness about how to live a environment friendly life among the educated people of the modern generation and so the result is showing that somewhat 58% of the total respondents of this survey who lives in modern cities and are somewhat educated and belongs to either the education sector or are doing some types of jobs have some idea about green citizenship, other than that respondents belonging to other sectors and residing outside the modern cities have very less knowledge about the concept of green citizenship.

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Concept of Going Green :

The basic needs for going green has arrived from the necessity to protect the surrounding environment and in turn make our planet Earth a better and a proper place to live in for not only the current generation but also for the future generations to come, by accepting and adopting some measures like stopping unnecessary wastages of all types of scarce natural resources, by promoting and adopting the usages of green energy and or clean energy, etc, to reduce all types of pollutions and have a cleaner surrounding environment.

The procedure towards going green can happen by just changing some old and normal human habits and make some conscious decisions towards saving the surrounding environment from further degradations and make our planet earth a better place to live in for all types of living beings (www.canyons.edu).

Some Activities which can be adopted towards Going Green :

The first and foremost step will be towards protecting or preventing unnecessary wastages of all forms of energy and specifically switch off the lights, fans or all other types of electrical appliances when they are not needed or not in use (www.canyons.edu). In this regard we can use fluorescent lamps in various commercial, industrial or professional places like in various types of commercial and other different types of offices including various types of retail stores, departmental stores, etc, or in any other business places, in classrooms, etc, as a much more better alternative than the traditional incandescent light bulbs, as fluorescent lamps are not just much more efficient than the incandescent light bulbs for reducing unnecessary consumption of energy, but also have a much longer lifespan than the incandescent bulbs (www.britannica.com).

Thereafter it is also the duty of all responsible citizens to stop unnecessary wastages of water while doing their daily day-to-day activities like brushing , bathing , washing , etc , and try and conserve water as much as possible (www.canyons.edu).

Try and increase the use of recycled materials as much as possible so as to first of all conserve the scarce natural resources as much as possible and reduce the unnecessary generations of wastages which can either go on to be used for landfills or can go on to increase the overall pollutions throughout the world. Thereafter we also see that increase in use of recycled materials will also go on to help in saving a lot of energy by reducing the overall normal process of extracting , refining and processing of raw materials to get the final product which obviously needs a lot of energy (www.boisestate.edu).

All individuals of the modern world in whichever country or continent they live or belong to , should try and develop their habits of using various types of public transports or bicycles or common carpools to reduce the overall carbon emissions into the surrounding environment to reduce our overall carbon footprint and make our planet Earth a much better place to live in for not only the current generation but also for the future generations to come (www.canyons.edu).

Advantages of Going Green :

The term "Going Green "normally goes on to describe a way to live one's normal life in an environment friendly manner in which it will help in protecting against further degradation of the surrounding environment by conserving, preserving not only the natural resources, but also other living beings of our planet Earth alongwith protecting the biodiversity of the planet (Stephanie Sofdie, 2023).

Some Advantages of Going Green :

The best advantage of going green will be in reduction of unnecessary wastages of various scarce natural resources and implementation of usages of renewable energy sources which will not only help in reduction of carbon emissions but will also help in reducing the overall electricity bill amounts (Lisa Martin 2022).

The second advantage of going green can happen through the introduction of recycling of materials or purchasing of recycled products which will obviously be cheaper and will go on to reduce the overall family expenditure. Thereafter another advantage of using recycled products will be in reduction of unnecessary generation of wastes which in turn

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will go on to help in having overall reductions of costs which is needed for disposal of those wastes generated and will also help in saving unnecessary utilisation of scarce natural resources and the cost associated with some new productions (Lisa Martin, 2022)

The most important advantage of going green will be that by adopting measures of reducing usage of energy generated from fossil fuels or by resorting to methods of organic farming it will help us to have a much more better impact in leading a much better healthy life, by reducing emissions of harmful green house gases alongwith providing fresh foods to maintain sustainable living (Lisa Martin, 2022).

Some of the Disadvantages of Going Green :

Some of the challenges or disadvantages of going green can be as follows :

Takes Time : In order to accept the practices of going green we have to spend a lot of time to understand the procedures , processes and activities which are needed to become an environment friendly human being (www.rapidfinance.com).

High Initial Costs : When a organisation wants to go green the transformation from the established procedures to the acceptance and implementation of environment friendly procedures will have high initial costs which initially have to be beared by the organisations which in turn can go on to increase the cost or price of the final green products (www.rapidfinance.com).

High Cost of Products : The cost of green products will be a bit higher than the ordinary established products of the market due to the acceptance and implementation of new environment friendly process and procedures (www.rapidfinance.com).

Future of Going Green : The foremost target of the modern generation of human beings living in our planet earth is to think and implement those types of ideas, activities, processes and procedures which will protect and prevent our planet Earth from experiencing further environmental degradations.

Therefore we see that the future of going green will depend on the basis of proper steps taken towards accepting and implementation of measures like usages of renewal energy sources and other measures to minimise the overall emissions of carbon and other green house gases alongwith taking proper measures to minimise the overall generations of wastes to protect our scarce natural resources and the biodiversity of our planet Earth , etc , which means that the basic moto of going green will be to change our day to day normal way of living to reduce unnecessary generations of various types of pollutions and wastes.

This type of measures should be taken at all levels and should include not only human beings but also various different types of business and professional organisations, governments and government organisations, etc.

First of all individual human beings of the modern world should think and make necessary changes in their daily life styles to lead a much more environment friendly life (Lisa Marlin, 2022).

Second, various types of businesses or other professional units or organisations should make necessary adjustments in their day to day activities to reduce their carbon footprint or in other words should take specific care in not causing any harm to the surrounding environment.

Thereafter comes the governments or various other government departments and agencies of various modern world countries which should make necessary rules and regulations to enable the modern world countries and societies to move towards much more sustainable development and should involve and promote those types of persons who are either experts in environmental sciences or are ecological experts or have proper knowledge of various types of environmental laws and can help the world to move towards a much more sustainably developed world.

Circular Economy

As observed and studied it is seen that environment and economy are always interlinked and circular economy model with it's three basic principles of reducing, reusing and recycling of materials goes on to establish a link between environment and economics (Almas Heshmati, 2015).

A Circular economy is a model or an economic system which basically aims to reduce various types of pollutions alongwith aiming towards zero production of wastes by using the methods of reusing, refurbishing, recycling or repairing, etc (www.en.m.wikipedia.org).

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In modern world where most of the countries are suffering from the problem of environmental deterioration, various governments of various countries are turning towards making rules, regulations and policies to reduce the adverse impacts of various types of production and consumption activities on their surrounding environment and so various types of rules, regulations and policies are being made throughout the world to accept and implement the principles of circular economy (Almas Heshmati, 2015).

Therefore we can say that the measures taken to 'Go Green' will actually go on to develop the way to move towards the implementation of the concepts related to Circular economy which in turn will go on to help in developing a much more sustainable and environmentally conscious societies or regions or countries, etc, to ultimately develop a much more sustainable world.

V. CONCLUSION

Therefore from the above study we see that as the basic objectives of a circular economy model will be to attain sustainable development basically by minimising or reducing generations of wastes and pollutions alongwith restoring of ecosystems, reducing the consumption of raw materials for optimising the utilisation of resources, etc, which is somewhat in the line of the overall process of going green which goes on to help in conserving or preserving of the natural resources, reduce overall emissions of carbon and other green house gases, reduce overall pollution, save energy, create jobs, etc, for creating a much more sustainable future for all types of living beings of our world we can say that 'Going Green ' can be considered as a doorway towards Circular economy.

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