

Evaluative Report of the Department (2011-2013)

1. Name of the Department : **DEPARTMENT OF ENVIRONMENT & SUSTAINABLE DEVELOPMENT**
2. Year of establishment : **2011**
3. Is the Department part of a School/Faculty of the university? **INSTITUTE**
4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
 - a. **M.Sc. (Tech) Environmental Science & Technology**
 - b. **Integrated M.Phil.- PhD in Environment & Sustainable Development**
 - c. **PhD in Environmental Science & Technology**
5. Interdisciplinary courses and departments involved **None**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. **None**
7. Details of programmes / courses discontinued, if any, with reasons **None**
8. Annual/ Semester/Choice Based Credit System **Semester**
9. Participation of the department in the courses offered by other departments **Yes**
 - a. **All faculty members are associated with teaching of Environmental Studies at UG level in various departments of BHU**
 - b. **Dr.Kavita Shah teaching M.Sc. Applied Microbiology Course, Department of Botany; F/O Science, B.Sc. Zoology Honors, MMV; Ph.D. Bioinformatics, MMV, Ph.D. Biochemistry, F/O Science, BHU**
 - c. **Dr. R. K. Mall teaching M.Sc.Tech Geophysics Course, Department of Geology; F/O Science, BHU**
 - d. **Dr. G. S. Singh, Dr. J. P. Verma, Dr. R. P. Singh, Dr. P. C. Abhilash, Dr. T. Banerjee are teaching M.Sc. Environmental Science Course, Department of Botany; F/O Science, BHU**
10. Number of teaching posts sanctioned and filled (Professors/ Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professor	1	1
Associate Professors	5	3
Asst. Professors	9	4

11. Faculty profile with name, qualification, designation and specialisation (D.Sc./D.Litt./Ph.D. /M.Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. A. S. Raghubanshi	Ph. D	Professor	Integrative Ecology and Sustainability Science	20	12 (6 awarded)
Dr. Kavita Shah	Ph. D	Associate Professor	Environmental Biochemistry, Ecotoxicology & Bioinformatics	16	8
Dr. G.S.Singh	Ph. D	Associate Professor	Ecology and Biodiversity	11	1 (Ongoing)
Dr R. K. Mall	Ph. D	Associate Professor	Climate Change, Water Resources, Simulation Modelling	16	1 (Ongoing)
Dr. J. P. Verma	Ph. D	Assistant Professor	Environmental Biotechnology & Microbiology Sustainable Agriculture, PGPR, Biofertilizer	2	1 (Ongoing)
Dr Rajeev P. Singh	Ph. D	Assistant Professor	Solid waste management,	2	1 (Ongoing)
Dr. P.C. Abhilash	Ph. D	Assistant Professor	Environmental Biotechnology (Bioremediation)	2	2 (Ongoing)
Dr. Tirthankar Banerjee	Ph. D	Assistant Professor	Air pollution dispersion modelling; Regional air quality-climate change interactions	2	1 (Ongoing)

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors **None**

13. Percentage of classes taken by temporary faculty - programme-wise information

- a. **M.Sc. (Tech) Environmental Science & Technology** 90%
- b. **Integrated M.Phil.- Ph. D. in Environment & Sustainable Development** 0%
- c. **PhD in Environmental Science & Technology** 0%

14. Programme-wise Student-Teacher Ratio

- a. **M.Sc. (Tech) Environmental Science & Technology** 11 :1
- b. **Integrated M.Phil.- PhD in Environment & Sustainable Development** 1.25:1
- c. **PhD in Environmental Science & Technology** 1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Support Staff (technical and administrative)	Sanctioned	Filled
Technical Assistant	02	02
Laboratory attendant	02	02
Field attendant	01	-
Section Officer (Administrative)	01	01
Junior Clerk	01	01
Peon	01	01
Office Assistant cum computer personnel (contractual)	04	04
Peon (contractual)	04	04

16. Research thrust areas recognized by funding agencies

- A. Global Change and Atmospheric Pollution**
- B. Natural Resource Management**
- C. Environmental Biochemistry, Biotechnology and Sustainable Agriculture**
- D. Alternate Energy Resources**
- E. Socio-Economic & Legal Dimensions of Sustainable Development**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Project Instructor	Title of the Project	Funding Agencies	Grants Received
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Professor A. S. Raghubanshi	Plant functional traits analysis of dry tropical forest ecosystem	Ministry of Environment & Forests	Rs. 45 Lakhs
Dr. Kavita Shah	Effect of nitric oxide, salicylic acid and jasmonic acid on alleviation of metal induced oxidative burst in rice	DST	Rs. 11.00 lakhs
	Immobilized rice-peroxidase biosensor for dopamine determination based on functionalized conducting polymers	DST	Rs.18 lakhs
	Influence of nitric oxide and salicylic acid signaling on cadmium –stress-induced oxidative burst and protein profile in rice	UGC	Rs.7.38 lakhs
Dr. R. K. Mall	Operationalizing the Thimphu Statement on Climate Change, Action planning for DRR-CCA integration in South Asia	SDMC-New Delhi and UN-ISDR	\$ 1,20,000
	Impacts of climate change on water resources of the Ganga Basin	National Water Mission, MoWR-Delhi	Rs 115 Lakhs
	Impact and Vulnerability of Agriculture in Different Agro-climatic Regions of Uttar Pradesh to Climate Variability and Changes: A Pilot Study using Simulation Models	DST –New Delhi	Rs 40 Lakhs
	Development of a Compendium on Lessons learnt and best practices of Climate Change Adaptability (CCA) in SAARC countries	SDMC-New Delhi and UN-ISDR	\$ 10,000
	Impact of Climate change on groundwater resource in Sai-Gomti Interflue, Central Ganga Plain, Uttar Pradesh, India	CGWB, Ministry of Water Resources	Rs 46Laks
	Integrated Agro meteorological Advisory Services for the Farmers of east Vindhyan Agro-climatic zone of U.P.	IMD	Rs 5 Lakhs
	GPS based TEC measurements and ionospheric perturbations associated with Earthquake	DST	Rs 27 Lakhs
	Running and Maintenance cost of GPS Measurements at the Rajiv Gandhi South campus, Banaras Hindu University, Barkachha	DST	Rs 14 Lakhs
	Study on climatic impacts on sugarcane growth and yield in eastern Uttar Pradesh region	DST	Rs 9.9 Lakhs
Dr. G.S. Singh	Land application of Fly ash and Sewage sludge: Single and Interactive Effects on soil and plants grown (Co-PI).	UGC	Rs. 12.37Lakhs

Dr. P. C. Abhilash	Effect of changing climate on plant-rhizospheric chemical interactions and bioremediation of organic pollutants	DST	Rs. 25 lakhs
	Enhancing rhizodegradation of hexachlorocyclohexane by suitable agronomic packages	UGC	Rs. 9.85 lakhs
	Microbial control of soil respiration and its response to global warming	CSIR	Rs. 30 lakhs
Dr. J. P. Verma	Co-PI:Enhancing rhizodegradation hexachlorocyclohexane by suitable agronomic packages	UGC	Rs. 12.65 lakhs
	Co-PI:Microbial control of soil respiration and its response to global warming	CSIR	Rs. 30.00 lakhs
	Co-PI:Impact and Vulnerability of Agriculture in Different Agro-climatic Regions of Uttar Pradesh to Climate Variability and Changes: A Pilot Study using Simulation Models	DST	Rs. 40 Lakhs
Dr. R. P. Singh	Land application of Fly ash and Sewage sludge: Single and Interactive Effects on soil and plants grown	UGC	Rs. 12.378 Lakhs
	Quantification and Characterization of Municipal Solid Waste produced in Varanasi city and composting/ vermicomposting as its sustainable management options	DST	Rs. 25.90 Lakhs
Dr. T. Banerjee	Ambient air quality assessment for chemical characterization and source apportionment of suspended particulate matter	UGC	Rs. 14 lakhs
	Co-principal Investigator for “Impact of climate change on groundwater resource in Sai-Gomtiinterflue, central Ganga plain, Uttar Pradesh, India”— <u>approved</u> by Ministry of Water Resources, Indian National Committee on Groundwater, Govt. of India, New Delhi.	MWR	Rs. 46 lakhs
	Co-principal Investigator for “Impacts of climate change on water resources of the Ganga Basin”(Consortium of IITs and IISc) – <u>approved</u> to Ministry of Water Resources, Govt. of India, New Delhi.	MWR	Rs. 55 lakhs

18. Inter-institutional collaborative projects and grants received

a) All India collaboration

None

b) b) International

None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. **None**

20. Research facility / centre with **None**

- state recognition
- national recognition
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies

None

22. Publications:

- * Number of papers published in peer reviewed journals (national / international)

Name of Faculties	International Journals	Indian Journals
Prof. A. S. Raghubanshi	70	5
Dr. Kavita Shah	19	1
Dr. G. S. Singh	10	2
Dr. R. K. Mall	14	13
Dr. P. C. Abhilash	33	2
Dr. J. P. Verma	15	5
Dr. R. P. Singh	22	1
Dr. T. Banerjee	8	3

- * Monographs

Name of Faculties	Monograph
Dr. R. K. Mall	1
Dr. P. C. Abhilash	1

- * Chapters in Books

Name of Faculties	Chapters in Books
Prof. A.S. Raghubanshi	10
Dr. Kavita Shah	14
Dr. G. S. Singh	1
Dr. R. K. Mall	4
Dr. J. P. Verma	3

abroad: **Dr R K Mall selected for Senior Associate of ICTP-Italy (2012-2018)**

26. Faculty serving in

a) National committees

Prof. A.S. Raghubanshi

- Member, Programme Advisory Committee (PAC), National Council for Science & Technology Communication (NCSTC), Department of Science & Technology, Govt. of India (2012-).
- Member, Expert Committee on UGC Special Assistance Programmes (SAP) in the subject area Energy, Environment and Natural Resources, University Grants Commission, Govt. of India (2012-).
- Member, Project Review and Supervisory Group on Environmental Science for NMEICT mission, Ministry of Human Resource Development, India (2012-).
- Member, National Committee of IGBP-WCRP-SCOPE (International Geosphere-Biosphere Programme- World Climate Research Programme- Scientific Committee on the Problems of Environment) (2009-2012).
- Member, Thematic Working Group on Natural Terrestrial Ecosystems, National Biodiversity Strategy and Action Plan, Ministry of Environment & Forests, Govt. of India (1999-2000).

Dr R K Mall

- Member, Climate change programme of Central Ground Water Board, Min of Water Resources, New Delhi
- Expert Member of SERB School Planning Committee (DST-New Delhi).

b) International committees

- Dr R K Mall: Expert Reviewer of the first-order draft (FOD) chapters of the Working Group II IPCC Fifth Assessment Report (WGII AR5)-2012
- P.C. Abhilash: Member, Commission on Ecosystem Management, IUCN; Member, Pesticide Elimination Network, Stockholm Convention
- Dr. T Banerjee: Member, Commission on Ecosystem Management, IUCN.
- Dr. R P Singh: Member, Commission on Ecosystem Management, IUCN.
 - Switzerland

c) Editorial Boards

a) Prof. A.S. Raghubanshi

- Executive Editor, Tropical Ecology

b) P.C. Abhilash

- Associate Editor: Agronomy for Sustainable Development, Springer
- Editorial Board Member: Biomass & Bioenergy, Elsevier
- Editorial Board Member: Environmental Management, Springer
- Editorial Board Member: Biodegradation, Springer

27. Faculty recharging strategies

Invited lectures by experts on thematic area are arranged for the benefit of faculty and students.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects **Fifteen**
- percentage of students doing projects in collaboration with other universities / industry / institute **Twenty-five**

29. Awards / recognitions received at the national and international level by

• **Faculty**a. Dr. A. S. Raghubanshi

- Post Doctoral Research Fellowship of the Max Planck Institute for Terrestrial Microbiology, Germany (one year) (2003)
- INSA visiting fellowship to Germany (3 months) (1999)
- Young Scientist Medal, Indian National Science Academy, New Delhi (1994)
- Young Associateship Award, Indian Academy of Sciences, Bangalore (1993)
- Research Associateship, Council of Scientific and Industrial Research (CSIR) and University Grants Commission (UGC), Government of India (1990)
- Junior Research Fellowship through National Eligibility Test (NET), University Grants Commission, Government of India (1986)
- National Scholarship, Government of India (1977)

b. Dr. Kavita Shah

- Awarded the prestigious “**Women Scientist Award-2011**” of The Biotech Research Society, India in recognition of pioneering work in the field of Enzyme Technology and Biosensors on 21st November, 2012
- Awarded **Young Scientist Travel Fellowship Award**, at 18th International Union of Biochemistry and Molecular Biology Congress held during July 13-21st, 2000, Birmingham, U.K.
- Awarded “**MedhaviChattrapuraskar**” by the Directorate of Higher Education, Allahabad in 2003 for securing 1st rank in B.Ed. exams of BHU in 1992.
- Awarded and availed the prestigious ‘**STA FELLOWSHIP**’ in 1998 granted by JISTEC and JST, Ministry of Health Sciences, Tokyo, **JAPAN**.
- Received 1996 ‘**YOUNG SCIENTIST MERIT AWARD**’ at 83rd Session of Indian Science Congress held at Patiala, during Jan 3-7, 1996.

c. Dr R K Mall

- Fellow of CAS-TWAS
- Senior Associate award from ICTP (UNESCO and IAEA)
- Invited as SAARC expert on Climate change to deliver lectures in training Workshop on “Climate Change and water resources management for drought prone areas of South Asia” during 15-20 Nov. 2012, Kabul Afghanistan organized for SAARC participants by SAARC secretariat.
- Invited as SAARC countries expert to participate in 5th Asian Ministerial Conference on Disaster Risk reduction (5th AMCDRR), 21-25 Oct. 2012, Yogyakarta, Indonesia.
- Invited as expert at GPDRR organized by UNISDR during 19-24 May, 2013 at Geneva, Switzerland

d. Dr. P.C. Abhilash

- INSA Medal for Young Scientist (2013), Indian National Science Academy, New Delhi
- Fellow, International Society for Tropical Ecology (2013)
- Travel Award (2013), Dow Agrosience, USA
- Fellow, Indian Society for Plant Research (2013)
- Visiting Fellowship (2012), University of Hong Kong
- Travel Award (2012), University of Oxford, UK
- Young Scientist Award, SERB, Govt. of India (2012)
- Young Scientist Award, National Academy of Science, India (2010)

e. Dr. T Banerjee

- Winner of the Environmental Technology Competition “**Green Talents 2010** - The International Forum for High Potentials in Sustainable Development” commissioned by the **German Federal Ministry of Education and Research (BMBF)** for being one of the 20 young scientists worldwide having outstanding potential in the field of Sustainable Development (www.greentalents.de).
- Recipient of Travel Grant from The **Royal Netherlands Academy of Arts and Sciences (KNAW)** to attend the Conference Open Science Meeting 2011: “Rise to the Water Challenge”, organized by KNAW, Netherlands Organization for Scientific Research (NWO) and Indonesian Academy of Science in Jakarta, Indonesia.

f. Dr.R P Singh

- Green Talent – 2011 given by Federal Ministry of Education and Research (BMBF), Germany on 16th December at Berlin, Germany for being one of the 20 young scientists worldwide having outstanding potential in the field of Sustainable Development.
- Prosper.Net Scopus Young Scientist award-2012, 1st Runner Up in area of Sustainable Consumption and Production- Award is jointly given by Prosper.Net (United Nations), Humboldt foundation Germany, Scopus and Elsevier.

g. Dr. J.P. Verma

- Full Travel grant support from DST for attending “IV international Conference on Environment, Industrial and Applied Microbiology” held at Formatex Research centre, 2011, Torremolinos, Spain, 14-16 September, 2011
- Partial travel grant support from HRD-CSIR for attending 2012 International Conference on Life Science and Engineering-ICLSE held on October, 27-28, 2012, Hong-Kong (Not Availed)

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sr.	Name of Conferences/seminars/symposia/Workshop	Duration
1	National Workshop on “Role of Higher Education in Disaster Management – Issues and Challenges”	29-30 April, 2011
2	Orientation Workshop on “National Aquatic Animal-Ganges River Dolphin”	28-30 July, 2011
3	4 th Refresher Course in Environmental Studies with collaboration of Academic Staff College, BHU	October 01-21, 2011
4	Sixth National Teacher’s Science Congress	8-11 Nov., 2011
5	Review Meeting on “FASAL : Kharif 2011 and Rabi 2011-12”	1-2 March, 2012
6	National seminar on “Environmental Concerns and Sustainable Development: Issues and Challenges for	2-4 March, 2012

	India”	
7	5th Refresher Course in Environmental Studies with collaboration of Academic Staff College, BHU	August 14 to September 03, 2012

31. Code of ethics for research followed by the departments

Department follows standard code of ethics as prescribed for the scientific research.

32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (Tech) Environmental Science & Technology	211	17	13	Appearing	
PhD in Environmental Science & Technology	29	02	08	Appearing	
Integrated M.Phil.- PhD in Environment & Sustainable Development	135	10	03	Appearing	

33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
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Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Tech) Environmental Science & Technology	6.67	76.67	16.67	Nil
PhD in Environmental Science & Technology	70.00	90.00	10.00	Nil
Integrated M.Phil.- PhD in Environment & Sustainable Development	50.00	68.75	31.25	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

M.Sc. (Tech) -09 (GATE/INDIAN ARMY)

M. Phil-Ph.D. -02 (NET)

Ph.D. -09NET/02GATE

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not applicable
PG to M.Phil.	0
PG to Ph.D.	20
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	-
• Other than campus recruitment	
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates

of the same university	80%
from other universities within the State	0%
from universities from other States	20%
from universities outside the country	0%

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period **One**

38. Present details of infrastructural facilities with regard to

a) **Library**

Books and journals : 151

b) **Internet facilities for staff and students :** **Institute equipped with WI-FI with access to all faculty and students**

c) **Total number of class rooms :** **02**

d) **Class rooms with ICT facility :** **02**

e) **Students' laboratories :** **02**

f) **Research laboratories :** **02**

39. List of doctoral, post-doctoral students and Research Associates **16**

a) **from the host university :** **09**

b) **from other universities :** **07**

40. Number of post graduate students getting financial assistance from the university.

100%

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

- The syllabus pertaining to the subject area from National and International Universities were collected and extensively reviewed for papers and course content.
- Group discussions and brain storming sessions with experts in the area were done prior to finalization of the new programmes at IESD.
- Recommendations and suggestions of the experts were then incorporated in the programme to be undertaken.
- Current practices and job opportunities in the field were also kept in mind before finalizing the programme.

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does

the department utilize the feedback?

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

All the above (a-c) not applicable as Department is newly established.

43. List the distinguished alumni of the department (maximum 10)**Not Applicable**
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Lectures are organized for the students and research scholars of the institute every month. The external experts who have given guest lecture at IESD include:

- Dr. Jai Singh Parihar, SAC Ahmedabad
- Prof. S. P. Singh, FRI Dehradun
- Prof. R.S. Tripathi, NEHU Shillong
- Prof. P.B. Rana, Cultural Geography and Cultural Studies, BHU
- Prof. Rita Agarwal, Visiting professor IIM Ahmedabad, XLRI Jamshedpur
- Dr. R.P. Singh, ISRO
- Dr. D.N. Khare, Ministry of Earth Sciences
- Dr. Sultan Ismail, Founder of Ecogreen, Chennai
- Prof. R.R. Rao, Delhi University
- Prof. Rana P.B. Singh, Dept of Geography, BHU

Sr.	Name of Programme	Duration
1	National Workshop on “Role of Higher Education in Disaster Management – Issues and Challenges”	29-30 April, 2011
2	4th Refresher Course in Environmental Studies with collaboration of Academic Staff College, BHU	October 01-21, 2011
3	National seminar on “Environmental Concerns and Sustainable Development: Issues and Challenges for India”	2-4 March, 2012
4	Training on “Application of Crop Simulation Models and Decision Support System in Yield forecasting”	25-30 June, 2012
5	5th Refresher Course in Environmental Studies with collaboration of Academic Staff College, BHU	August 14 to September 03, 2012

45. List the teaching methods adopted by the faculty for different programmes.

Lectures, field visits, laboratory exercises, multimedia, films, community visit, eco-clubs, quiz, assignments, brain storming, seminars and presentations, industrial

tours, etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Through continuous evaluation system.

47. Highlight the participation of students and faculty in extension activities.

Sr.	Name of Programme	Duration
1	4th Refresher Course in Environmental Studies with collaboration of Academic Staff College, BHU	October 01-21, 2011
2	Training on "Application of Crop Simulation Models and Decision Support System in Yield forecasting"	25-30 June, 2012
3	5th Refresher Course in Environmental Studies with collaboration of Academic Staff College, BHU	August 14 to September 03, 2012

48. Give details of "beyond syllabus scholarly activities" of the department.

a) **Eco-club at RGSC BHU for M.Sc. Tech students.**

b) **Excursion to eco-sites.**

49. State whether the programme/ department is accredited/ graded by other agencies?

If yes, give details. **No**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- A new biosensor developed by Dr K Shah and her group for sensing dopamine in neuro-patients will prove a boon
- Dr R K Mall prepared a policy document for implementation of the Thimpu Action Plan 2010 of the SAARC countries. This document will develop recommendation for future action plan in SAARC countries regarding Climate Change and Disaster Risk Management.

51. Future plans of the department.

New Research Activities Planned:

Activity	Proposed Benefit
Environmental monitoring and sustainable management of natural resources in the Indo-Gangetic plains	Proposed research will help to develop suitable strategies for the sustainable management of air, water, soil and bioresources in Indo-Gangetic plains. The research will also help to designing proper

	mitigation and adaption strategies for the management of these resources under changing climate.
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New extension and outreach programme planned

Activity	Proposed benefit
<ul style="list-style-type: none"> • To developing a model biovillage in a nearby area • Preparation of education materials • Popularization of improved cooking stoves • Nutrition and meal preparation workshops • Environmental education workshop with children • Organizing environmental groups in schools 	<p>The activity will provide training and expertise to the government officials, policy makers and farmers in the area of sustainable use of natural resources. The proposed biovillage will serve as a model for the efficient and sustainable management of natural resources for sustainable development.</p>

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths: The diverse specialization of faculty members and great team work

Weaknesses: Working space and infrastructural constrains as the Institute is newly established

Opportunities: Contribution in National Policy making and developing as a model institute of Environment and Sustainability Studies

Challenges: To provide solutions to the environmental Challenges faced by the nation