

Contents

Foreword /// Bayer in India 04 - A profile /// We support the development of innovative solutions with impact on global social challenges /// Our Corporate Societal Engagement objective: **Promote innovation** 08 /// Making a difference 12 **Empowering** Women

/// Program for Primary Prevention of Sexual	
Violence (PPPSV)	14
/// Discovering Hands	16
/// Samavesh	18
/// Women Empowerment	20

Fostering Education

/// Bayer Fellowship Program in AgroScience	22
/// Mini Science Centres	24
/// School Nutrition Project Mid-Day Meal	25
/// Youth Education & Skill Development	26
/// Bayer Science Teens	28
/// Vocational Training Center for Agriculture	20
(Baver-RVJ School)	- 30

Fostering Rural Development

// Sustainable Yield	
Initiative	32
/// Samagra Krishi	34
/// WASH (Water, Agriculture, Sanitation and Hygiene)	36
/// Village Training Program	38
/// Community Health Program	39
/// ECHO (Extension for Community Healthcare Outcomes)	40
/// Bayer Role Model	42
/// Child Care Program	44
/// Role Model Project	46

Preventive Health & Sanitation

/// Research on microRNA role as Biomarkers 48 /// Special Education of Hearing Impaired Children 50

Social Innovation

The Aspirin Social novation Award	52
Corporate Societal ngagement Milestones India	53
Incubating social novations must show the way	54







We aim to contribute to overcoming global challenges with our innovations



Bayer's Sustainability Approach

To us, sustainability means safeguarding our future viability and, as part of corporate strategy, is integrated into everyday procedures. We underline our mission as a company that acts sustainably through our commitment to the U.N. Global Compact and through our active global involvement in leading initiatives such as the World Business Council for Sustainable Development (WBCSD). Our innovations, products and services make a contribution to overcoming some of the biggest global challenges, including the SDGs of zero hunger and good global health care in particular.

Clear Responsibilities and Structures Defined

As part of Bayer's corporate strategy, sustainability is firmly established at Board level. Operational implementation is effected with the help of non-financial targets and performance indicators throughout the value chain, based on a clear definition of responsibilities in the corporate structure and the identification of key areas of activity using a materiality analysis. Corporate policies ensure our sustainability principles are firmly established in business operations and are implemented through management systems, committees and processes. The ongoing review and revision of directives and regular internal audits ensure that our management systems are continuously improved and aligned to the specific respective requirements.

Responsible Business Practices

Responsible business practices are the foundation of the Bayer Group's sustainable alignment. We can identify and mitigate risks at an early stage by implementing this alignment in the areas of compliance (e.g. anti-corruption and responsible marketing), human resources policy, product stewardship, health, environmental protection and safety, and supplier management. This is one of the key requirements for society's acceptance of our business. On this basis, we aim to contribute to overcoming global challenges with our innovations, and in doing so develop additional business opportunities.

Dr. Hartmut Klusik

4 Musil

Board of Management, responsible for Human Resources, Technology & Sustainability



Bayer in India

Bayer has a long history in India. The Company established its presence in the country in 1896, when the first wholly-owned subsidiary of Bayer in Asia "Farbenfabriken Bayer and Co. Ltd." was set up in Mumbai. With Bayer now expanding its activities in emerging markets, India is of strategic importance to Bayer's activities worldwide. The Bayer Group in India encompasses the Crop Science and Pharmaceuticals divisions.

The Crop Science division is the largest for Bayer in India and has production facilities in Himatnagar and Vapi. It is organized into two operating units: Crop Protection / Seeds and Environmental Science. Crop Protection / Seeds markets a broad portfolio of high-value seeds along with innovative chemical and biological pest management solutions, at the same time providing extensive customer service for modern and sustainable agriculture.

Environmental Science focuses on non-agricultural applications, with a broad portfolio of professional pest control and vector control products. Bayer is a market leader in the Crop Protection business in India.

Our products for farm and companion animals are managed by the Animal Health business unit, which forms a part of the Crop Science division.

The Pharmaceuticals division in India focuses on prescription products, especially for Cardiology, Diabetes, Oncology, Ophthalmology and women's health. In India, the Radiology division comprising of diagnostic imaging (contrast agents) and devices is also part of the Pharma business.



Dear Reader,

Bayer's commitment for society and the common good has a long tradition. Today, globally Bayer makes available €50 million every year for non-profit projects worldwide – all of which center on sustainable progress and societal innovation. CSE is an important element in our sustainability model, open innovation approach and societal engagement strategy. We believe, as an innovation leader and trustworthy partner, that prosperity and sustainable progress are conceivable only within an ecosystem of balanced opportunities and appreciation for science and innovation.

This is why we focus our CSE activities on frontier science and social innovations connected to the competency fields of Bayer in health, nutrition and the life sciences. Globally, our programs aim to support impact pioneers for innovations that help resolve societal challenges.

With over 120-year-old presence in India, Bayer has built a strong tradition as a responsible corporate citizen. Today, our CSE programs are implemented across 15 states of India benefitting around 9,00,000 people. With its sustainable supply chain endeavor – Child Care Program – that got children off hybrid seed production farms and into the schools, a number of educational, vocational training and livelihood initiatives have taken shape leading to a more systematic and comprehensive approach.

As a part of 'Project for Primary Prevention of Sexual Violence' (PPPSV), Bayer is making a sincere attempt with like-minded group of partners and stakeholders to make a positive impact on the Child Sexual Abuse situation in India. Studies have revealed that instead of devising ways of response after it has been perpetrated, primary prevention can help immensely in avoiding the post-event trauma. With an innovative science based approach, we are aspiring to introduce primary prevention strategies in addition to awareness generation and scientific research.

Another good example is our project – Discovering Hands – which aims to make a positive difference to the area of breast cancer as well as lend a helping hand for the visually challenged, who have a highly developed sensory skill to detect the early signs of breast cancer.

The 2018-2019 edition of the Bayer CSE Compendium presents visual glimpses and updates from all our CSE programs in India. I hope you enjoy reading it.

We support the development of innovative solutions with impact on global social challenges



Our Corporate Societal Engagement objective: Promote innovation

In India, Bayer's Corporate Societal Engagement programs have been categorized under four essential pillars: Fostering Education, Fostering Rural Development, Empowering Women and Preventive Health & Sanitation.

Under the Fostering Education pillar, educational and science projects are being undertaken. Bayer places tremendous emphasis on supporting education and research within its social environment. We endeavor to promote science excellence, and our programs aim to kindle the spirit of science among children.

The second pillar - Fostering Rural Development, focuses on many Community Development programs being implemented in various parts of India that aim to enhance awareness about health, hygiene and skill development.

Empowering Women is the third pillar. There are two very path-breaking projects being implemented in its purview. The first being the Program for Primary Prevention of Sexual Violence (PPPSV) which, using proven expertise and knowhow from years of experience, Bayer and its partnering institutions are developing strategies to implement primary prevention measures, that protect women and children from sexual violence and its after effects. The second project is 'Discovering Hands' which aims to make a positive difference to the area of breast cancer as well as lend a helping hand for the visually challenged women.

Preventive Health & Sanitation, the fourth pillar focuses on providing targeted assistance in the areas of health and hygiene. Disaster Relief also forms a part of this approach. In situations of acute need as a result of natural disasters, Bayer pursues a dual strategy: the company provides immediate assistance following natural disasters – both through monetary and medical donations to rebuild infrastructure. Well-planned relief measures were implemented in Kerala which was affected by floods in 2018.



Committed to benefiting society

/// CSE Projects in India



Fostering Education Educational Projects Preventive Health & Sanitation











Empowering Women Progress Pilots

Corporate Societal Engagement Projects in India

/// Empowering Women



Program for Primary Prevention of Sexual Violence (PPPSV)

Pan-India | 3 Years



Discovering Hands

Pan-India | 3 Years



Samavesh

Maharashtra | Annual



Women Empowerment

Dadra and Nagar Haveli | 1 Year

/// Fostering Education



Bayer Fellowship Program in AgroScience

Pan India | 5 Years



Bayer Science Teens

Pan India | Annual



Vocation Training Center for Agriculture (Bayer-RVJ school)

Telangana | Annual



Youth Education & Skill Development

Gujarat | 3 Years



Mini Science Centres

Maharashtra | 2 Years



School Nutrition Project Mid-Day Meal Uttar Pradesh, Karnataka, Gujarat, Odisha,

Rajasthan and Maharashtra | 1 Year

















/// Fostering Rural Development



WASH (Water, Agriculture, Sanitation and Hygiene)

Punjab | 3 Years



Samagra Krishi

Bihar | 3 Years



Community Health Program

Maharashtra, Karnataka, Telangana, Rajasthan | 3 Years



Village Training Program

North Karnataka | 3 Years



Bayer Role Model





Extension for Community Healthcare Outcomes (ECHO) Model





Sustainable Yield Initiative (Sustainable Agriculture & Market Integration)

Maharashtra | 4 Years



Child Care Program

Gujarat, Karnataka, Tamil Nadu, Andhra Pradesh,



Telangana | Annual

Role Model project

North Karnataka | 1 Year



/// Preventive Health & Sanitation



Research on microRNA Role as Biomarkers

Tamil Nadu │ 1 Year



Special Education of Hearing Impaired Children

Telangana | 1 Year



Making a difference

As a part of volunteering, Bayer employees spent an entire day with the students of Vidyaprasarak High School, Thane, and refurbished their premises.

The team visited the school and spent quality time with students sharing knowledge on current topics and contributing to the enhancement of the school environment. Employees split themselves into teams to carry out various activities. While one team did whitewashing and painting the walls, another team spoke to higher secondary girl students on hygiene, answered queries and provided them with a stock of sanitary napkins. This was followed by another session for all kids on waste management in the form of quizzes, skits and endless fun activities. The team also placed separate bins on all floors to encourage segregated waste disposal. In the past, Bayer sponsored the construction of a second floor for the same school. The team carries out these activities with support from the Corporate Societal Engagement team.



Empowering Women



The unique goal of the PPPSV is to develop and implement strategies for primary prevention of sexual violence by shifting the lens to focus on people at risk to sexually offend against women and children instead of potential victims. With this objective, the Program for Primary Prevention of Sexual Violence (PPPSV) was formally launched in India in 2017 by offering solution through prevention by treatment to begin with. Primary Prevention aims to prevent unwanted incidents before they ever occur. A classic example of primary prevention is vaccination. The huge advantage of this approach is that by preventing the incident in the first place, after-effects of the incident are prevented as well.

To prevent sexual violence against women and children



Program for Primary Prevention

of Sexual Violence (PPPSV)

Preventing unwanted incidents of sexual violence

Primary prevention will be especially beneficial in the field of sexual violence since such experiences can lead to many short-term and long-term consequences. These consequences include but are not limited to physiological impact, psychological issues, psychosomatic disorders, relationship and attachment difficulties, and according to latest studies in the case of child sexual abuse even irreversible physical brain damages.

A team of Indian and German experts, has started a collaborative initiative to prevent sexual abuse against women and children. We focus on using innovative strategies from the field of medical science to implement measures to prevent sexual violence and thereby contribute to social and public health.

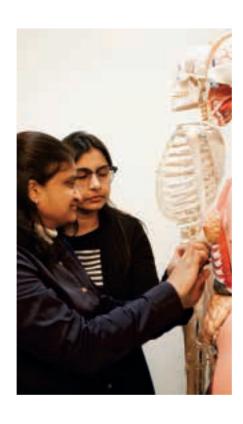


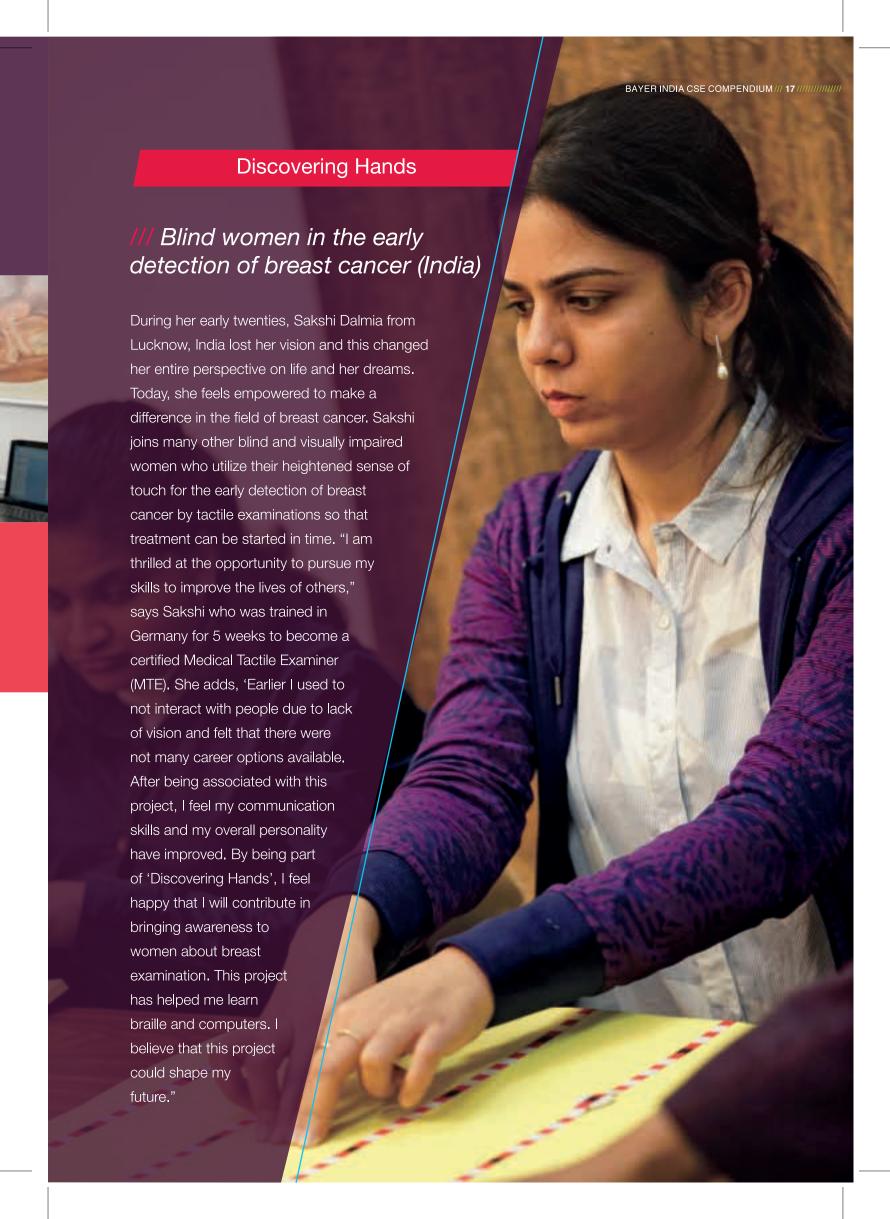
Unique and effortless detection of breast cancer



Discovering Hands trains and deploys visually impaired women with their highly developed sensory skills to detect the early signs of breast cancer. 'Medical Tactile Examiners' (MTEs) are trained to deliver physical breast examination at doctors' practices. During a 9-month training period they learn how to use a standardized diagnostic method for examining the female breast. Additionally, all MTEs are trained in communication skills and breast-specific psychology, as well as administrative tasks typically carried out by a doctor's assistant.

Breast cancer is the most prevalent cancer among women in India. Around 1.5 million women are affected every year and the number is rising. The survival rate is very low due to low level of awareness, failure in early detection and prevention. In many incidents patients visit a doctor only when they observe other effects of the disease. Preventive breast cancer diagnosis is either expensive - or is done by a tactile breast examination due to which, many women choose not to undergo preventive diagnosis. To iron out this difficulty, Dr. Frank Hoffmann, gynecologist and a renowned medical expert from Germany, pioneered a unique program - 'Discovering Hands' that deploys visually impaired women and train them in a systematic examination method to certify them as 'Medical Tactile Examiner' (MTE) in Germany. After Germany, the project was extended to India on a pilot basis. The project is in early stage of development and is supported by Bayer India and is implemented by NGO partner NAB India Centre for Blind Women and Disability Studies, New Delhi. Currently eight visually impaired women have been certified as MTE's and are working as interns in local hospital in Gurgaon, Haryana.









Improving employability

A preparatory course for working in industry, 'Samavesh', has been initiated to improve employability in order to empower talented underprivileged women in areas of Agriculture and Healthcare. The initiative intends to groom and develop fresh women graduates to take responsible executive positions in life sciences industry. Under the program, suitable curriculum is designed to run for 3 months in close partnership with Bayer experts providing hands-on exposure and training. Knowledge and skills to understand business in all aspects such as Sales, Marketing, HR, Finance and Operations are also provided. Training also includes specific modules on selfdefense, safe driving and working safely in rural areas. Additionally, the course is accredited by the Skill India Councils - 'Life Sciences Sector Skill Council of India' and 'Agriculture Skill Council of India'.

Women Empowerment

Enthusing new life by promoting collective economic and social development

Equal access to and control over economic and financial resources is critical for women to create an equitable society. In an effort to strengthen their confidence and earning capabilities, Self Help Groups (SHGs) have been established with the aim to promote collective action aiding economic and social development.

More than 250 women in Silvassa are part of SHGs and have been skill-trained. They are employed or have established enterprises which aid in supplementing their family income.



Fostering Education





Mini Science Centres

Facilitating scientific fundamentals in a fascinating way

The concept of using text books is getting outdated. Science is a fascinating subject and learning science can be made fun and interesting as well as easy.

Facilitating the same we have set up 20 Mini Science
Centres (MSC) catering to over 9,000 school children in
Nanded. 65 table top models provide students with
experiential learning opportunities and enable effective learning
of fundamental concepts in Maths and Science.



School Nutrition Project Mid-Day Meal

Nurturing brighter minds through wholesome nutrition













Presented as an exciting educational program for junior scientists, the Bayer Science Teens program is hosted by Bayer Science & Education Foundation. The theme of the science camp in 2018 was 'Healthcare and Science,' and was conducted in partnership with the prestigious STEM Harmony education center at the University of Colorado, United States. Young people from India and across the globe conducted research on scientific and medical health issues under professional conditions, exchanged views with scientists and performed experiments in the mountains.

Practical learning in new age farming

The Bayer-Ramanaidu Vignana Jyothi School of Agriculture aims to provide vocational training to underprivileged rural youth to prepare them for entry level jobs in agriculture. The school is a long running program of Bayer in India and is operational since 2007. The school conducts two 6-month courses every year with an intake of 42 students per course. This makes it more relevant for the students and improves their employment prospects. More than 517 students have graduated from the school since its inception.



Sustainable Yield Initiative

Integrated farming for enhanced productivity

Babita Surve, a woman farmer from Murtijapur,
Maharashtra is one of the beneficiaries of Sustainable
Agriculture and Market Integration project. The program
focuses on training farmers on best agronomic practices,
setting up demo plots, group irrigation structures, enabling
access to advanced technical know-how and integrated
arming solutions for enhanced farm productivity.

A prime example in the Integrated Farming Systems approach is the practice of vermicomposting and drip irrigation that has served in reducing input costs. Additionally, techniques on diversification by resource integration such as livestock and orchard farming are taken up alongside crop production to mitigate risks. The project has impacted more than 40,000 farmers directly and 3,50,000 farmers through 'Farmer Guide' across laharashtra.

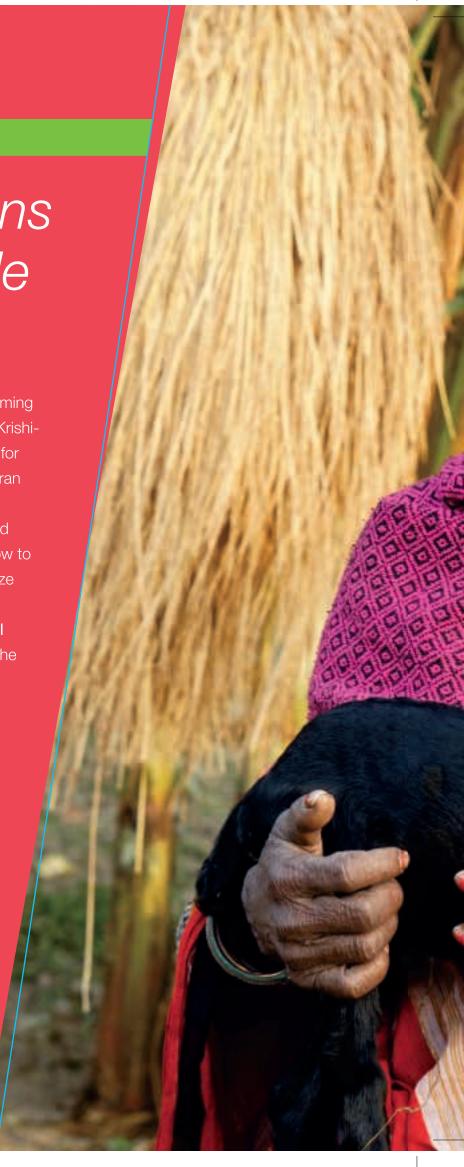


Fostering Rural Development

Samagra Krishi

Smart solutions for sustainable farming

With the objective to provide sustainable farming solution, Bayer has implemented Samagra Krishi-Agriculture Productivity & Livelihood project for small and marginal farmers in East Champaran district in Bihar. Farm mechanization was introduced to farmers with zero till wheat and potato planter along with field training on how to optimize from mechanized farming. Small size maize-shellers were facilitated at farmers' doorstep to reduce transportation and travel cost. Providing smart solution to cut down the cost of cultivation, solar water pumps were introduced for irrigating the farms as an alternative to conventional pumps. Solar pumps are subsidized by the respective state governments. Mini polyhouse, tissue cultured farming, various methods of crop diversification like cash crop for small farms were introduced to suit the regional requirements. As an alternative, livelihood sources like goat rearing, kitchen garden, low cost poultry farming are being encouraged among women laborers though Self Help Groups (SHGs). The project reached out to more than 10,000 direct and indirect beneficiaries in 25 villages covering 3 blocks in the district as on date.









Village Training Program

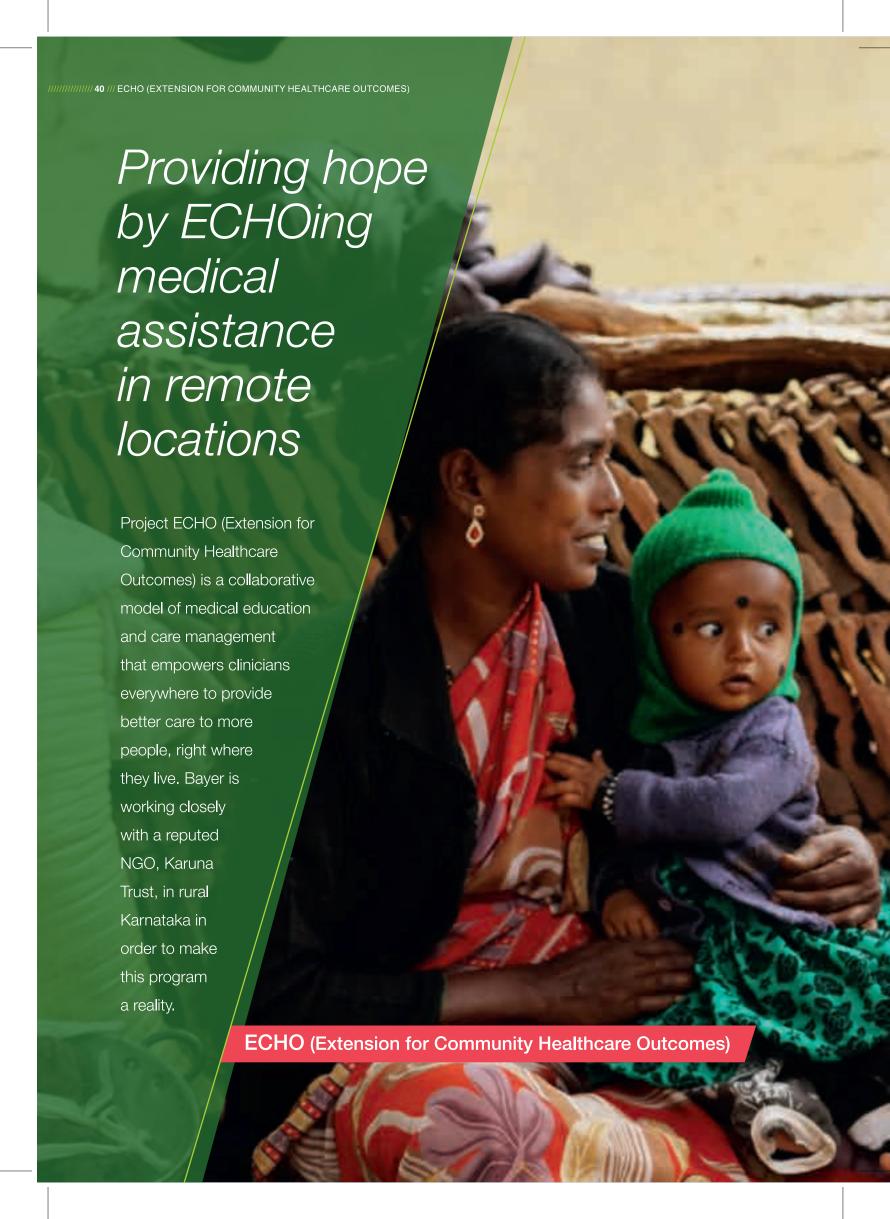
Engaging with youth for a better tomorrow

The main focus of Village Training Program (VTP) is providing intensive training to rural youth on best practices and newer technologies in areas such as goat rearing, low cost poultry, animal husbandry, tailoring, plumbing and crop production etc.

In order to build a strong relationship with the rural community, Bayer has taken up activities that are focused on improving livelihood and enhancing income generation opportunities for villagers, that would help them lead a life of dignity.









Meet the winners who make an impact

Bayer Role Model 2018



Project - 'Jagruti medical mobile unit'



Jenil Kikani

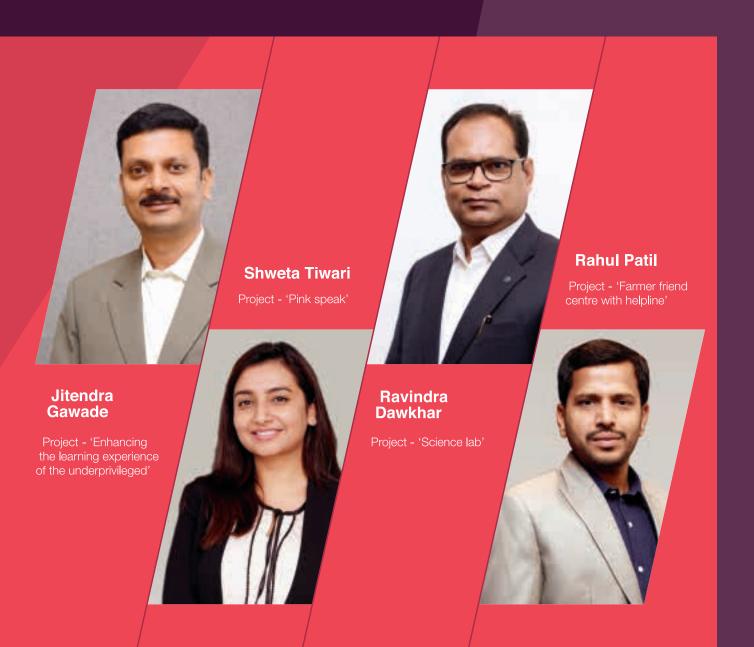
Project - 'Coexist through awareness, rescue & research'



Project - 'Aashayein'



Seven winners from India received up to €5000 each as project funding from Bayer Cares Foundation in recognition of their work to better the lives of people living in the vicinity of Bayer sites. They were selected from amongst 298 applications across 52 countries as part of the Bayer Volunteering Program.







Role Model project

Low cost sanitary unit

Women's health care is one of the most neglected aspects in rural India. Topics like menstrual health and hygiene are a social taboo for women and adolescent girls. Bayer is working with partners towards enhancing awareness about these topics and is playing a key role in the introduction and manufacture of low-cost sanitary pads. Further, low-cost sanitary pad making units have also been setup to encourage entrepreneurship and livelihood among rural women in 2017-18. The initiative has been received well, especially by young girls who welcomed the idea.

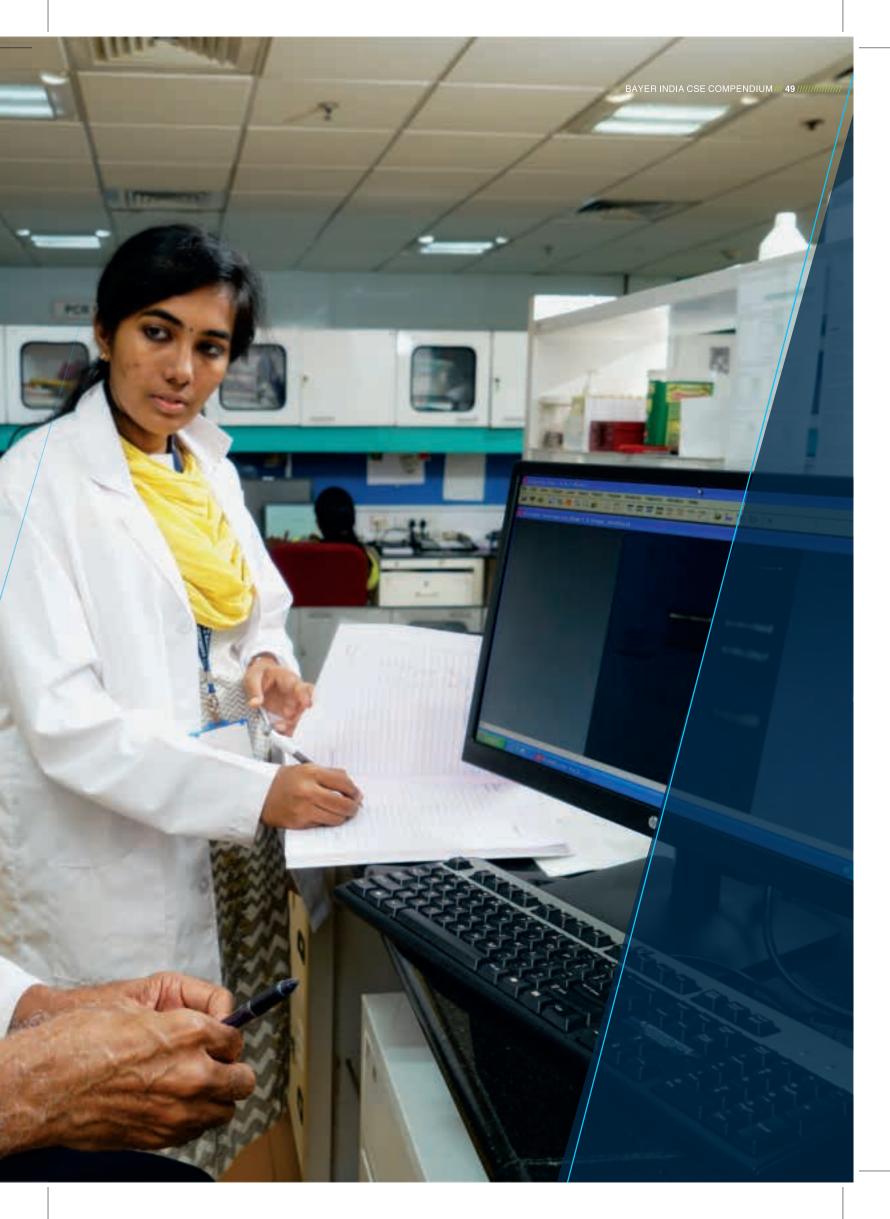


Preventive Health & Sanitation

Research on profiling of microRNAs and regulation of disease causing genes

microRNA plays a major role as biomarkers and also in regulation of disease causing genes. It has been found that there are no scientific publications on microRNA profiling for patients with choroidal vasculature (network of blood vessels in choroid of eye). This project aspires to use next generation sequencing technique which is the state of the art technology for profiling and discovery of microRNAs. This will further help in validating microRNA biomarker for screening of patients with macular diseases and also of molecular mechanism of the disease.









Hearing loss is the most common sensory deficit in humans today.

It is a silent and debilitating disability which affects over 24 million children in India. India has one of the highest deaf populations in the world with approximately 6% of the population suffering from some kind of hearing loss. It is estimated that in Telangana & Andhra Pradesh 6 out of every 1000 children are born with profound deafness, which is three times the national average and six times the global average.

Recognizing the need to provide educational facilities to the children with hearing impairment, Bayer is supporting the education of 40 hearing impaired children and speech therapy of 25 children studying at Ashray Akruti School in Hyderabad. In the academic year 2018-19 the school recorded a total strength of 182 students and a secondary school pass out rate of 100%

Supporting social pioneers in health

/// iBreastExam - Winner of the global Aspirin Social Innovation Award 2017

> Victoria Rani, from MyCliniCare, Bengaluru, explains the working of the iBreast digital screening device to Bayer colleagues, who were present at the exclusive iBreast screening campaign. This was conducted at the Wellness Centre at Bayer House, Thane for the benefit of employees and women residing in the surrounding areas.

The screening was organized by Bayer Prayas in collaboration with Kshmata and MyCliniCare on October 22 to 23, 2018. In total, 261 women were screened. Free doctor consultation was also provided to the screenees at the time of collection of reports on October 26, 2018.



Corporate Societal Engagement Milestones in India

2005	Child Care Program (CCP) initiated by Bayer to address child labor issue in Hybrid Seed Supply Chain
2010	Child Care Program highlighted in the German Federal Government's Human Rights Report, as a particularly good practical example of the contribution that corporations can make towards eradicating child labor
2010	Richard Ivey School of Business Management, Canada profiled CCP in a case study, which is already part of the MBA curriculum at various colleges in Europe, India, Singapore and the United States; it is also being made available by Harvard Business Review
2010	Model Village Project initiated with the establishment of RO water purification plants in Kadivala and Mangalgudda in north Karnataka
2010	Organisation for Economic Co-operation and Development (OECD) acknowledges CCP
2010	German ambassador Thomas Matussek endorsed CCP as an excellent industry example to tackle child labor in agriculture
2011	Bayer inaugurates the Eco-Commercial Building in Greater Noida, near New Delhi, India
2011	Learning for Life awarded Gold Medal in the CSE Category at Bayer Awards for Excellence in Communications
2012	Bayer is one of 14 companies that appear on NBIM's 2011 Children's Rights Disclosure Rating; Bayer, assessed as a hybrid seed sector company as the previous years, scored 10 out of 10 indicators
2012	Unequivocal acknowledgement by NGOs on CCP
2012	Financial Times Deutschland profiles CCP
2012	Mannschaft, a Social Leadership Program where Bayer volunteers, takes up rural development activities
2014	J&K disaster relief and rehabilitation
2015	Rollout of CSE Policy for Bayer Group in India
2015	Bayer Vegetable Seeds' WASH project intervention helps Somaram in becoming 100% open defactation free village in Telangana and receives Nirmalgram Puraskar Award from the President of India
2015	Bayer Vapi Pvt. Ltd. sponsored tribal girl education in Shree Swaminarayan Gurukul Salvav at Vapi
2015	WASH (Water, Agriculture, Sanitation and Hygiene) project implemented in Kurnool district of Andhra Pradesh covering 60,000 farmers. The same extended to Bathinda & Fazilka districts of Punjab covering 45,000 farmers within a time frame of 3 years
2015	The annual Bayer Science Teens program launched by Bayer Science & Education Foundation; students from various countries attend this program which aims to rekindle the spirit of science education
2016	Chennai flood relief and rehabilitation program
2016	Launch of Progress Pilots Projects - The Program for Primary Prevention of Sexual Violence and Discovering Hands
2017	The Program for Primary Prevention Sexual Violence against women and children Prevention by treatment is formally launched
2017	Launch of online self-management tool called "Troubled-Desire" under PPPSV project
2017	First ever compliance workshop organized for NGO partners at Bayer House, Thane
2018	Roll out of Bayer Role Model Program for the year 2018
2018	Launch of iBreast digital cancer screening for employees and women residing in the surrounding areas of Bayer House, Thane. Over 260 women participated in the screening program

Social entrepreneurship is a rapidly advancing field. It is the process to work with pioneers and entrepreneurs in order to develop, fund and implement solutions to social, cultural, or environmental issues. In less than one decade, investments in social entrepreneurship have grown from 8 billion dollars to 22 billion dollars.

Today, main pillars of the society are taking keen interest in social entrepreneurship. Corporates bank on the innovation potential of the social entrepreneurs.

Bayer Group in India has been taking a lead by fostering incubation of meaningful social innovations that can create a significant impact. The first being the Program for Primary Prevention of Sexual Violence (PPPSV), that has brought together a transnational, varied set of influential stakeholders to make a positive impact by preventing sexual violence against women and children in India.

Another such multi-collaborative project is Discovering Hands that aims to make a positive difference to the area of breast cancer as well as lend a helping hand for the visually challenged. The focus of this initiative would be primarily social impact. We are committed to the social "win-win" of our model: offering meaningful employment to blind women, and creating an opportunity for them where they have competitive strength; and helping to improve the breast cancer early identification situation and awareness for the most common cancer among women. This is very much keeping in line with our mission statement – Science for a better life.

Incubating social innovations must show the way...





Corporate Office: Bayer House Central Avenue, Hiranandani Estate Thane (West) - 400 607 Maharashtra, India Tel.: +91 22 2531 1234 www.bayer.in