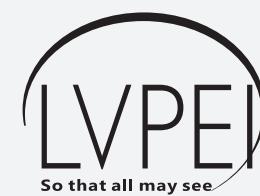




# ACTIVITY REPORT 2013–2014



**L V Prasad Eye Institute**

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## Abbreviations Used

KAR	- Kallam Anji Reddy Campus
GMRV	- GMR Varalakshmi Campus
KVC	- Kode Venkatadri Chowdary Campus

RIEB	- Ramayamma International Eye Bank
GPR ICARE	- Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye care

# THE LVPEI NETWORK

## Centre of Excellence



Kallam Anji Reddy Campus  
Hyderabad



## Tertiary Care Centres



Patia, Bhubaneswar  
Odisha



GMR Varalakshmi Campus  
Visakhapatnam



Kode Venkatadri Chowdary Campus  
Vijayawada

## Secondary Care Service Centres



Bhosle Gopal Rao  
Patel Eye Centre  
Mudhole  
Adilabad



Seshanna Chennawar  
Eye Centre  
Adilabad



Kuchukulla  
Ramachandra Reddy  
Eye Centre  
Thoodukurthy  
Mahbubnagar



Venkata Lakshmi  
Eye Centre  
Karamchedu  
Prakasam



Sudhakar & Sreekanth  
Ravi Eye Centre  
Markapuram Prakasam

Bhainsa  
Kubeer  
Nandipet  
Navipet  
Narsapur  
Lokeshwaram  
Tannur

Utnoor  
Boath  
Jainath  
Bela  
Narnoor  
Jainoor  
Jannaram  
Medarpet  
Talamadugu  
Gudihathnoor  
Echoda  
Indervelly

Wanaparthys  
Achampet  
Nagarkurnool  
Kothakota  
Kollapur  
Ghanapuram  
Bijnapally  
Telkapally  
Kalwakurthy  
Lingala  
Amangal

Parchuru  
Panguluru  
Pedanandipadu  
Yeddanapudi  
Marturu  
Ballikuruva  
Epurupalem  
Chinnaganjam  
Naguluppalapadu  
Vetapalem

Tripuranthakam  
Yerragondapalem  
Dornala  
Cumbum  
Bestavaripeta  
Giddalur  
Podili  
Darsi  
Kurichedu  
Chimakurthi

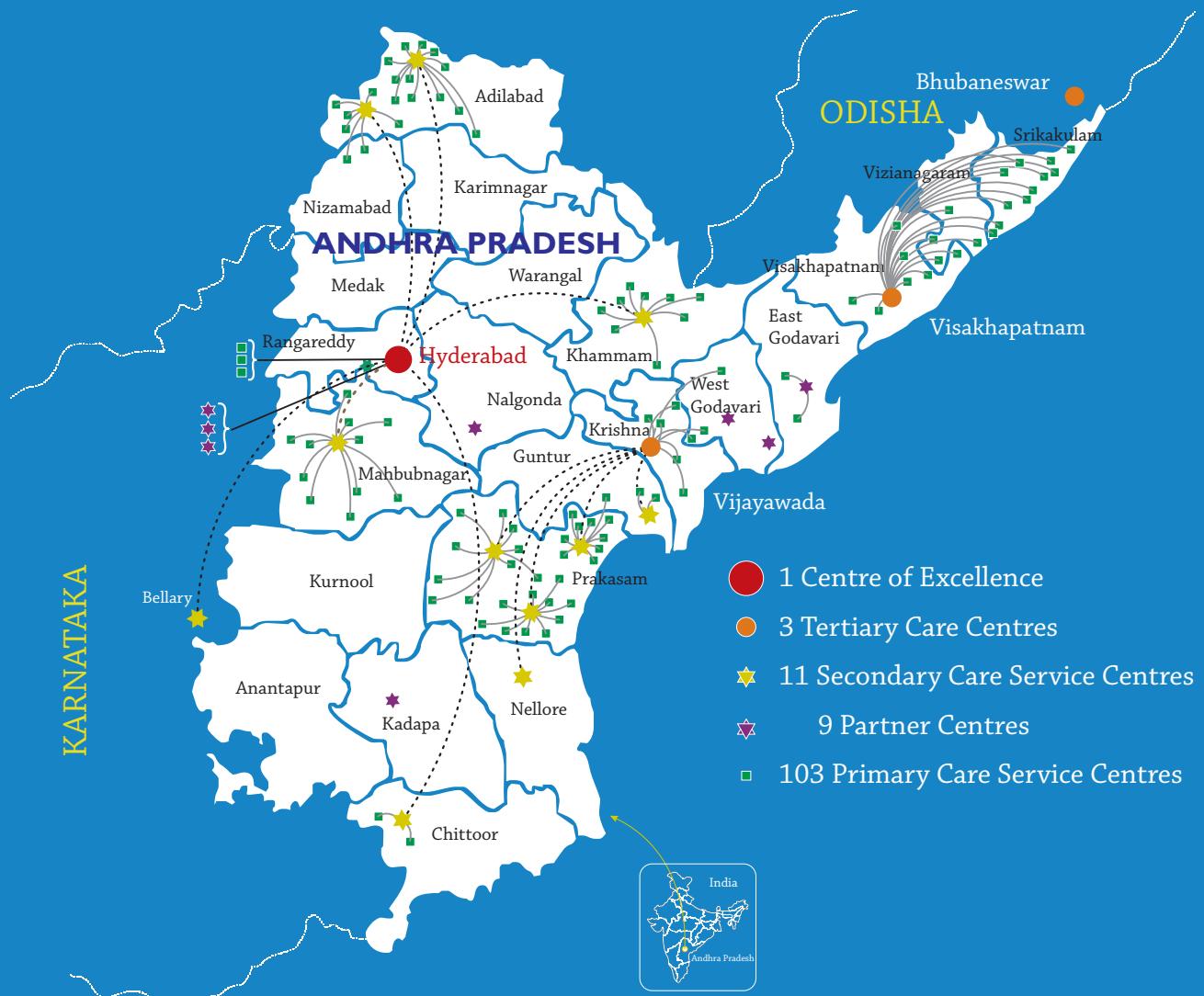
Rajahmundry  
Ravulapalem

City Centres at  
Hyderabad  
Visakhapatnam  
Vijayawada

Sompeta, Srikakulam Dist.

Mandasra  
Santhabommali  
Maliyaputti  
Pydibhimavaram  
Tekkali

(As of 31 March 2014)



Sudhakar &  
Sreekanth Ravi  
Eye Centre  
Kandukuru  
Prakasam



Siloam Eye Centre  
Madanapalle  
Chittoor



Swarna Bharat  
Eye Centre  
Venkatachalam  
Nellore



Nava Bharat  
Eye Centre  
Paloncha  
Khammam



Dr Kommareddy  
Raja Ram Mohan Rao  
Eye Centre  
Gudavalli  
Guntur



Y Mahabaleshwarappa  
Memorial Eye Centre  
Bellary  
Karnataka

Tangutur  
Kondapi  
Lingasamudram  
Chandrasekharapuram  
Singarayakonda  
Pamuru  
Ulavapadu  
Medarmet  
Santhanuthalapadu  
Kothapatnam

Nimmanapalle  
B Kothakota

Yellandu  
Kallur  
Manuguru  
Ashwapuram  
Dammapet  
Tekulapally  
Cherla  
Chandragonda  
Tallada

Bhattiprolu  
Amruthaluru

#### Visakhapatnam

K Kotapadu  
Yalamanchili  
Kailasapatnam  
Govindapuram

Kothavalasa  
Kasimkota  
Araku

#### Vijayawada

Kapileshwarapuram  
Kovvalli  
Pedapadu  
Vutukuru  
Mylavaram

Lingala  
Buttayagudem  
Agiripally  
Vissannapeta  
Movva

#### Urban

Ramnagar  
Kismathpur  
Ramakrishna  
Math

# The Year at a Glance

The LVPEI pyramid of service delivery touches all levels of society, from remote rural villages to busy urban centres. From primary eye care to advanced tertiary (quaternary).

This year, we reached a total of 1,506,114 people including 147,916 children through these various levels of care. Of these, 0.82 million (818,568) received eye care services entirely free of cost as part of our community programs, outpatient and surgical services at various levels.

## PATIENT CARE Service Delivery: Community Eye Health Programs

*Entirely free of cost*

Population covered by door-to-door surveys <i>(613 villages surveyed)</i>	590,534
Population screened <i>(731 community programs)</i>	70,361
Schools & Anganwadis (creches) covered	589
Population reached	590,534
Children screened	66,501
Total reached	657,035

	Outpatient visits	Entirely Free of cost	Surgeries	Entirely Free of cost
PRIMARY EYE CARE				
103 Vision Centres	143,007	100%	-----	-----
SECONDARY EYE CARE				
11 Service Centres	138,917	43.3%	18,900	68.2%
TERTIARY EYE CARE				
Bhubaneswar	105,234	24.1%	10,675	38.3%
Visakhapatnam	79,258	32.6%	10,895	43.7%
Vijayawada	44,045	27.4%	5,111	42.5%
ADVANCED TERTIARY (QUATERNARY) CARE				
Hyderabad	250,509	27.4%	42,528	43.8%
Total	760,970	44.0%	88,109	48.3%

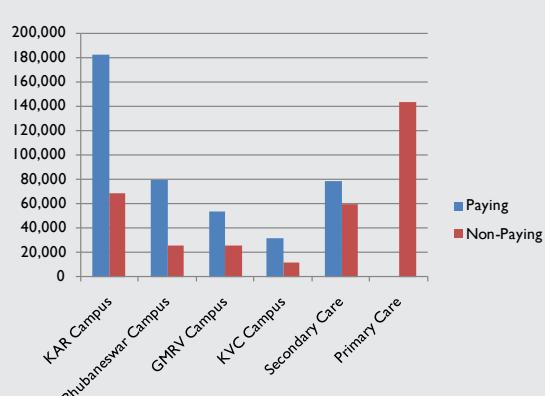
*Includes 81,415 children*

*Free of cost services are provided irrespective of the complexity of care.*

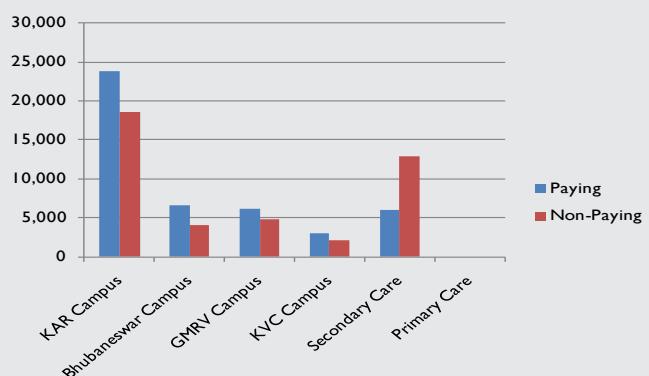
*These numbers do not include data from our partner centres.*

Partner Secondary Centres	1,90,089	53%	25,127	66%
---------------------------	----------	-----	--------	-----

## Outpatient visits



## Surgical procedures



# The Network Grows

(As of 31 March 2014)

	In operation	Partnerships	In process
Centre of Excellence	1	--	--
Tertiary Centres	3	6	--
Service Centres	11	18	4
Vision Centres	103	--	23
Capacity building collaborations <i>in specific areas</i>	9	--	9

## REHABILITATION

Providing a better quality of life

Sight enhancement client visits (low vision)	7,742
Vision rehabilitation client visits	14,029
Community based rehabilitation	605

## EYE BANKING

Facilitating the gift of sight

	Hyderabad	Bhubaneswar*	Visakhapatnam*	Total
Corneas harvested	4,652	410	827	5,889

\*Community Eye Bank

## EDUCATION

Enhancing skills and building human resources

Ophthalmologists	174	Optometrists	54
Other eye care professionals	348	Vision technicians	39
Participants in CME and other programs	1,290	Ophthalmic nursing trainees	33
Community eye health professionals	188	Others	34

*In addition, many more attended our CME programs through live webcasts.*

## RESEARCH

Pushing the frontiers

Presentations	
International	226
National	304
Publications	243
Awards and Honours	56

# Our Team

Gullapalli N Rao <i>Chair</i> <i>Member, Executive Committee</i>	D Balasubramanian <i>Director, Prof Brien Holden Eye Research Centre</i> <i>Member, Executive Committee</i>	Savitri Sharma <i>Director, Laboratories</i>	Venkatesh M Reddy <i>Chairman's Office</i> <i>Staff Communications</i> <i>New Projects Monitoring</i>	Sreedevi Yadavalli <i>Communications</i>
Taraprasad Das <i>Vice Chair</i> <i>Member, Executive Committee</i>	Prashant Garg <i>Director, Academy for Eye Care Education</i> <i>Dr G Chandra Sekhar</i> <i>Chair of Education</i> <i>Member, Executive Committee</i>	Rohit Khanna <i>Director, Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye Care (GPR ICARE)</i>	K V Subba Rao <i>Finance &amp; Accounts</i>	M Shobha <i>Audio Visual</i>
G Chandra Sekhar <i>Vice Chair</i> <i>Director, Kallam Anji Reddy Campus, Hyderabad</i> <i>Dr Kallam Anji Reddy</i> <i>Chair of Ophthalmology</i> <i>Member, Executive Committee</i>	Virender S Sangwan <i>Director - SRUJANA Centre for Innovation, Centre for Regenerative Ophthalmology and Dr Paul Dubord</i> <i>Chair of Cornea</i> <i>Member, Executive Committee</i>	Subhabrata Chakrabarti <i>Prof Brien Holden Eye Research Centre</i>	Vamshi Krishna NK <i>Human Resources</i>	Elena D Roopchandra <i>Research</i>
Usha Gopinathan <i>Executive Director</i> <i>Member, Executive Committee</i>	Shrikant R Bharadwaj <i>Optometry</i>	Shrikant R Bharadwaj <i>Optometry</i>	Ghanshyam Singh <i>Opticals – Technology &amp; Training</i>	Chaitanya Nelluri <i>Mark Nathaniel Thadikonda &amp; Vijayamma Nannepaga Centre for Eye Care Education</i>
G Chandra Sekhar <i>Director and Dr Kallam Anji Reddy Chair of Ophthalmology</i>	Vijaya K Gothwal <i>Meera &amp; L B Deshpande Centre for Sight Enhancement</i>	Vijaya K Gothwal <i>Meera &amp; L B Deshpande Centre for Sight Enhancement</i>	Nagavardhan Reddy <i>Opticals – Operations</i>	Md Hidayath Ali <i>Stores</i>
Subhadra Jalali <i>Clinical Services, all Hyderabad campuses (Kallam Anji Reddy campus, Banjara Hills Extension, City Centre)</i>	Beula Christy <i>Dr PRK Prasad Centre for Rehabilitation of Blind &amp; Visually Impaired</i>	Beula Christy <i>Dr PRK Prasad Centre for Rehabilitation of Blind &amp; Visually Impaired</i>	Sam Balasundaram <i>Fund Raising &amp; Donor Relations</i>	Anjaneyulu B <i>Purchase</i>
Chandra Sekhar <i>Director's Office</i>	K Annapurna Devi <i>Technology</i>	K Annapurna Devi <i>Technology</i>	T Shive Shankar <i>Security</i>	

## Kallam Anji Reddy Campus, Hyderabad

G Chandra Sekhar <i>Director and Dr Kallam Anji Reddy Chair of Ophthalmology</i>	<b>Ophthalmic Plastic Surgery &amp; Aesthetics</b> Milind N Naik Mohammad Javed Ali Gautam Dendukuri Swathi Kaliki Vijay Anand P Reddy M Yashwant Goud Winston D Prakash	J Ganesh Babu Kalmuri Shankar Raghava Chary Ravi Kumar Shashikant Chaudhary Unnisa Begum Yugandher Reddy Seema Banerjee	M Madhava Reddy Sana Quadri <i>Administration</i> K Durga Dhanraj	P Shailaja T Shyamsunder M Srikanth D Srikanth Jachin D Williams Charanya Ramachandran L Srinivasa Varadharajan Premnandhini Satgunam Sita Rama Anjaneyulu Snigdha
Subhadra Jalali <i>Clinical Services, all Hyderabad campuses (Kallam Anji Reddy campus, Banjara Hills Extension, City Centre)</i>	<b>Ocular Prosthesis</b> Srinivas Allam Gayatri Bharadwaj	Jasti V Ramanamma Children's Eye Care Centre Ramesh Kekunnaya Divya Balakrishnan Preeti Patil Chhablani Subhadra Jalali Swathi Kaliki Anil K Mandal R Muralidhar Padmaja K Rani C Jagadeesh Reddy Sirisha Senthil	<b>Vision Rehabilitation Centres</b> <b>Meera &amp; L B Deshpande Centre for Sight Enhancement</b> Vijaya K Gothwal Deepak K Bagga Rebecca Sumalini Seelam Bharani	<i>Administration</i> Snigdha
Chandra Sekhar <i>Director's Office</i>	<b>Uveitis &amp; Ocular Immunology</b> Annie Mathai Jay Chhablani Somasheila Murthy Raja Narayanan Rajeev R Pappuru Virender S Sangwan Mudit Tyagi Shashikant Chaudhary Raghava Chary Ravi Kumar J Ganesh Babu A Uday Kumar	Strabismus (Squint)/ Neuro-ophthalmology Ramesh Kekunnaya Preethi Patil Chhablani	<b>Dr PRK Prasad Centre for Rehabilitation of Blind &amp; Visually Impaired</b> Beula Christy Hemalatha Arunachalam Mahalakshmi	<b>Prof Brien Holden Eye Research Centre</b> D Balasubramanian <i>Director</i>
<b>Clinical Services</b>	<b>Comprehensive Ophthalmology</b> Rohit Khanna Bhupesh Bagga K Madhavi Latha	Internal Medicine Archana Bhargava	<b>Ramayamma International Eye Bank</b> Usha Gopinathan Prashant Garg G Srinivas	<b>Jhaveri Microbiology Centre</b> Savitri Sharma Das Swapna Reddy
<b>Cornea &amp; Anterior Segment</b>	<b>Smt. Kanuri Santhamma Centre for Vitreo Retinal Diseases</b> Rajeev R Pappuru Divya Balakrishnan Jay Chhablani Taraprasad Das Subhadra Jalali Annie Mathai Raja Narayanan Padmaja K Rani Mudit Tyagi Apoorv Sharma Hari Kumar Jennifer Jayaraj Karnati Bharath Mahender Singh Naresh Kumar Sandipan Roy Sitarama Anjaneyulu	Dietician A Rama Devi	<b>Mark Nathaniel Thadikonda &amp; Vijayamma Nannepaga Centre for Eye Care Education</b> Prashant Garg <i>Director and Dr G. Chandra Sekhar</i> <i>Chair of Education</i>	<b>Saroja A Rao Immunology Laboratory</b> Sanhita Roy Savitri Sharma Das Swapna Reddy
<b>Bausch &amp; Lomb Contact Lens Centre</b>	<b>VST Centre for Glaucoma Care</b> Sirisha Senthil Rohit Khanna Anil K Mandal Vanita Pathak-Ray B L Harsha Rao G Chandra Sekhar Ashwin Goud A Uday Kumar Cyril Sarah	Refractive Clinic Team J Ganesh Babu Ravi Kumar T Shyamsunder A Uday Kumar Winston D Prakash Yashwanth Goud P Veerendranath	<b>LVP-Zeiss International Academy of Advanced Ophthalmic Education</b> Vanita Pathak-Ray Varsha Rathi	<b>Ophthalmic Pathology Laboratory</b> Dilip Mishra Sara
Pravin V Krishna Varsha Rathi D Srikanth T Shyamsunder Preetam Kumar Parthasarathi K	<b>Administration</b> Joji Prasad <i>Operations</i>	<b>Bausch &amp; Lomb School of Optometry</b> P K Sai Prakash <i>Principal</i>	<b>Kallam Anji Reddy Molecular Genetics Laboratory</b> Chitra Kannabiran Subhabrata Chakrabarti Inderjeet Kaur	<b>Kallam Anji Reddy Molecular Genetics Laboratory</b> Ravi Stem Cell Biology Laboratory
<b>Cataract &amp; Refractive Surgery Services</b>	E S Manjula <i>Patient Care</i>	Y Vijay <i>Registrar</i>	<b>Sudhakar &amp; Sreekanth Ravi Stem Cell Biology Laboratory</b> Charanya Ramachandran Indumathi Mariappan Virender S Sangwan Vivek Singh	<b>Visual Optics and Psychophysics Laboratory</b> L Srinivasa Varadharajan Shrikant R Bharadwaj
Pravin V Krishna Bhupesh Bagga Prashant Garg R Muralidhar Somasheila Murthy Varsha Rathi C Jagadeesh Reddy Sayan Basu	G Vijaya <i>Nursing</i>	<b>Faculty</b> Shrikant R Bharadwaj Archana Bhargava Beula Christy Vijaya K Gothwal Korani Jyothi S Krishniah S Kartheek Kumar Y Vijay Kumar	<b>Ophthalmic Biophysics Laboratory</b> Ashutosh Richhariya	<b>Ophthalmic Biophysics Laboratory</b> Ashutosh Richhariya
<b>Ocular Oncology</b>	Kishore Babu <i>Medical Records</i>	SBN Chary <i>Photography</i>	<b>Vision Rehabilitation</b> Premnandhini Satgunam	<b>Vision Rehabilitation</b> Premnandhini Satgunam
Mohammad Javed Ali Milind N Naik Vijay Anand P Reddy Swathi Kaliki	Snehasis Mitra <i>Properties &amp; Maintenance</i>	Rajiv Kumar M S <i>Corporate &amp; Governmental liaison</i>	<b>Clinical Research</b> Raja Narayanan Thiruttani Charithi	
G Chandra Sekhar Vice Chair Member, Executive Committee	<b>City Centre, Madhapur</b> Bhupesh Bagga Anjul Kumar Krishnendu Mandal			

## Bhubaneswar Campus, Bhubaneswar

Sujata Das  
Director & Dr Taraprasad Das  
Chair of Ophthalmology

### Clinical Services

#### Cornea & Anterior Segment

Sujata Das  
Srikant K Sahu  
Prafulla Kumar Maharana  
**Contact Lens & Refractive Surgery**  
Srikant K Sahu  
Sujata Das  
Sujata Samal  
Satabdi Sundaray

#### Glaucoma

Aparna Rao  
Avik Kumar Roy  
Sanghamitra Dash  
**Retina & Vitreous**  
Soumyava Basu  
Tapas Ranjan Padhi  
Umesh Chandra Behera

**Ophthalmic Plastic Surgery, Orbit & Oncology**  
Suryasnata Rath  
Devjyoti Tripathy  
**Ocular Prostheses**  
Suryasnata Rath  
Devjyoti Tripathy  
**Comprehensive Ophthalmology**  
Sagarika Dash  
**Paediatric Ophthalmology, Strabismus & Neuro-ophthalmology**  
Vivek Warkad  
**Miriam Hyman Children's Eye Care Centre**  
Vivek Warkad  
Tapas Ranjan Padhi  
Sanghamitra Dash  
Srikant K Sahu  
Suryasnata Rath  
Aparna Rao

**NTPC Centre for Diabetic Eye Diseases**  
Suryasnata Rath  
Soumyava Basu  
Tapas Ranjan Padhi  
Umesh Chandra Behera  
**NTPC Eye Trauma Centre**  
Suryasnata Rath  
Soumyava Basu  
Sujata Das  
Tapas Ranjan Padhi  
Umesh Chandra Behera  
**NTPC Centre for Sight Enhancement and Rehabilitation of Visually Challenged**  
Sumita Lima  
Ch Sirajum Monira  
Prajna Mohapatra  
**Ocular Microbiology Service**  
Savitri Sharma

**Dalmia Ophthalmic Pathology Service**  
Ruchi Mittal  
**Pathak Centre for Eye Care Education**  
Suryasnata Rath  
**Internal Medicine**  
Bharat Panigrahi  
**Basic Research**  
Mamatha Reddy  
**Administration**  
Bikash Chandra Mohanta  
Prakash Chandra Das

### Drushti daan Eye Bank\*

Sujata Das  
Srikant K Sahu

\*Community Eye Bank on our campus

## GMR Varalakshmi Campus, Visakhapatnam

Merle Fernandes  
Director

### Clinical Services

#### Cornea & Anterior Segment

Merle Fernandes  
I S Murthy  
Jayesh Vazirani  
Rekha Gunturu

#### Contact Lens & Refractive Surgery

Merle Fernandes  
I S Murthy  
Jayesh Vazirani  
Rekha Gunturu  
D S V Ramkumar

#### Glaucoma

P V K S Varma  
JJ Praveen

**Retina & Vitreous**  
Avinash Pathengay  
Anand Kumar P  
**Ophthalmic Plastic Surgery, Orbit & Ocular Oncology**  
Samir Mahapatra  
**Nimmagadda Prasad Children's Eye Care Centre**  
Virender Sachdeva  
Merle Fernandes  
P V K S Varma  
**Strabismus/ Neuro-ophthalmology**  
Virender Sachdeva  
Avinash Pathengay  
Rekha Gunturu

**Uveitis**  
Avinash Pathengay  
**Bob Ohlson Centre for Sight Enhancement**  
Rekha Gunturu  
Lakshmi Dwara  
Dharani Nanda  
**Rehabilitation services**  
Winifred Roche  
**Ocular Microbiology Service**  
K Nagendra Kumar  
**Pathak Centre for Eye Care Education**  
Avinash Pathengay

**Administration**  
Anil Kumar Kathala  
B V S Mallikarjuna Rao  
K Lokesh

**Mohsin Eye Bank\***  
Merle Fernandes

\*Community Eye Bank on our campus

## Kode Venkatadri Chowdary Campus, Tadigadapa, Vijayawada

Avinash Pathengay  
Acting Director

### Clinical Services

#### Cornea & Anterior Segment

Mahesh Kalyankar  
Arjun Srirampur  
Aravind Roy

**Retina & Vitreous**  
Vishal R Raval  
Sameera Nayak  
**Glaucoma**  
B Pradeep K Reddy  
**The David Brown Children's Eye Care Centre**  
Niranjan K Pehera

**Neuro-ophthalmology**  
Niranjan K Pehera  
**Centre for Sight Enhancement**  
A Narasaiah  
**Rehabilitation services**  
Beula Christy  
Mary Jennifer

**Consultant Optometrists**  
B V L Narayana  
P Srinivasa Rao  
Venkatesh  
Kelli Vidya Sagar  
**Administration**  
PV Kiran  
Jani

## Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye care (GPR ICARE), Kismatpur Campus

Rohit Khanna  
Director

V Rajashekhar  
Assistant Director

#### Ramachandra Pararajasegaram Community Eye Health Education Centre

S Sheeladevi  
S Krishnaiah  
Srinivas Marmamula

Jachin David Williams  
K Jyothi

#### Allen Foster Community Eye Health Research Centre

Srinivas Marmamula  
S Krishnaiah  
Giridhar Pyda  
S Sheeladevi  
Ashalatha

**Programs & Projects**  
V Rajashekhar  
Gullapalli N Rao  
Rahul N Dongardive  
Amol D Sonawane  
Veera Raghavulu  
A Uday Kumar  
Jachin David Williams  
**Administration**  
Narsing Rao

# Boards of Management

L V Prasad Eye Institute is managed by two not-for-profit trusts: the Hyderabad Eye Institute (HEI) and the Hyderabad Eye Research Foundation (HERF). HEI is registered under the Indian Trusts Act and HERF is registered under the Societies Act. The Hyderabad Eye Institute oversees the activities of the eye hospital, while the Hyderabad Eye Research Foundation is responsible for all research programs pursued at LVPEI.

## Hyderabad Eye Institute

### Chair

Dr Gullapalli N Rao  
*Distinguished Chair of Eye Health*  
*L V Prasad Eye Institute*  
*Hyderabad*

### Members

Mr Ramesh Prasad  
*Managing Director*  
*Prasad Film Laboratories Ltd., Hyderabad*

### Prof K Srinath Reddy

*President*  
*Public Health Foundation of India*  
*New Delhi*

Dr K Ravindranath (until September 2013)  
*Chairman*  
*Global Hospitals, Hyderabad*

Mr Ravi Reddy (until September 2013)  
*Chairman, THINK Capital*  
*New Jersey, USA*

### Prof Seyed E Hasnain

*School of Biological Sciences*  
*Indian Institute of Technology, Delhi*  
*New Delhi*

### Dr V Raghunathan

*Chief Executive Officer*  
*GMR Varalakshmi Foundation*  
*Hyderabad*

### Dr F C Kohli

*Chairman Emeritus*  
*Tata Consultancy Services Ltd.*  
*Mumbai*

### Dr Sunil K Singh

*Consultant Eye Surgeon*  
*Precision Eye Care*  
*Lucknow*  
*(Alumni Representative)*

Prof Ramakrishna Ramaswamy  
*Vice Chancellor*  
*University of Hyderabad*  
*Hyderabad*

Mr B V R Mohan Reddy (from June 2014)  
*Founder, Chairman & Managing Director*  
*Cyient Limited (formerly Infotech Enterprises)*  
*Hyderabad*

G Chandra Sekhar (Ex-Officio)  
*Vice Chair,*

*Director, Kallam Anji Reddy Campus*  
*L V Prasad Eye Institute, Hyderabad*

### Taraprasad Das (Ex-Officio)

*Vice Chair*  
*L V Prasad Eye Institute, Hyderabad*

Usha Gopinathan (Ex-Officio)  
*Executive Director*  
*L V Prasad Eye Institute, Hyderabad*

## Hyderabad Eye Research Foundation

### Chair

Prof Nirmal K Ganguly  
*Distinguished Biotechnology Professor*  
*Translational Health Science & Technology Institute*  
*C/o National Institute of Immunology*  
*New Delhi*

### Secretary & Treasurer

Dr Gullapalli N Rao  
*Chair*  
*L V Prasad Eye Institute*  
*Hyderabad*

### Members

Dr S P Vasireddi  
*Chairman & Managing Director*  
*Vimta Labs, Hyderabad*

Mr Peter T Hassan  
*Honorary Consul of the*  
*Russian Federation at Hyderabad &*  
*Advisor – Strategy & Planning – FICCI*  
*New Delhi*

### Mr Syamal Gupta

*Director*  
*TATA Sons Limited,*  
*Mumbai*

### Dr A V Rama Rao

*Chairman & Managing Director*  
*AVRA Laboratories Pvt. Ltd., Hyderabad*  
*Former Director*  
*Indian Institute of Chemical Technology (IICT), Hyderabad*

### Prof S K Sarin (until March 2014)

*Director*  
*Institute of Liver & Biliary Sciences*  
*New Delhi*

### Dr Ajit Rangnekar

*Dean*  
*Indian School of Business*  
*Hyderabad*

### Prof D Balasubramanian (Ex-Officio)

*Director – Research*  
*Hyderabad Eye Research Foundation*  
*L.V.Prasad Eye Institute*  
*Hyderabad*

### G Chandra Sekhar (Ex-Officio)

*Vice Chair,*  
*Director, Kallam Anji Reddy Campus, Hyderabad*  
*L V Prasad Eye Institute, Hyderabad*

### Taraprasad Das (Ex-Officio)

*Vice Chair*  
*L V Prasad Eye Institute, Hyderabad*

### Usha Gopinathan (Ex-Officio)

*Executive Director*  
*L V Prasad Eye Institute, Hyderabad*

# Foreword

## Expanding Frontiers

What happens to the brain of a child born cataract blind in both eyes after the sight is restored by cataract surgery? We sought to find out by monitoring reactions of the children's brains to assigned tasks and recording signals emanating from the various neuron families. The results suggested that rather than being born with highly specialized neural systems (e.g., for specific object categories such as recognizing faces), the functional differentiation of neural circuits in such children seem to depend on early visual experiences. This suggested the need for training these children post vision restoration, so they can gain full visual capabilities at the soonest. This seminal work is our collaborative study with scientists at the University of Hamburg, Germany, published in the prestigious "Proceedings of National Academy of Sciences of the US (PNAS)", and is an example of the high quality work we do across all areas of our network.

The increase in patient volumes and revenues; success in getting more competitive grants and philanthropic support; the increasing demand for our community services and education programmes; increasing recognition for our research and more peer reviewed publications in higher quality journals; national and international accolades received by our colleagues; the replication of our model in India and other countries; and the demand for our staff and alumni from other organisations, amply validate our approach.

We rejoiced over many wonderful happenings: A thousandth baby with blindness averted from retinopathy of prematurity; doctoral degrees for three of our colleagues from Australia's University of New South Wales; one of our colleagues being selected as Notable Alumnus for the Centennial Year of the Ohio State University College of Optometry; the inauguration of our one hundredth primary care vision centre, the largest such programme anywhere for neglected populations in remote rural, tribal or urban slums; a unique "Mobility and Sensory Stimulation Park" for the visually impaired at one of our tertiary centres; forays into primary health care and technology innovation; research in visual psychophysics; the fiftieth round of the Indian Contact Lens Education Programme for eye care professionals (the longest surviving course); online Masters Programme in Community Eye Health launched (first such); and accreditation by the IJCAHPO (International Joint Commission on Allied Health Personnel in Ophthalmology) for our vision technician course.

Equally exciting are the new trails that we have begun to blaze: the replication of our rural eye care model in another state, Odisha, by breaking ground for three secondary centres; entry into the broader area of primary health care beyond our traditional boundaries of eye care, with the inauguration of a "Primary Health Centre" attached to one of the two busiest secondary centres serving tribal people, the objective being covering those ailments that influence eye health - the "causes of causes" of blindness; the inauguration of our innovation centre SRUJANA, with the technology component "LVPEI – MITRA" programme, a collaborative initiative with Camera Culture group of MIT (Massachusetts Institute of Technology) Media Lab.

The visit of Nobel Peace Laureate and President of the Republic of Liberia was indeed special. A lady of outstanding qualities and accomplishments who had fought against oppression for the freedom of her people, one of the most respected leaders in the world, Dr. Ellen Johnson Sirleaf was with us on September 10, 2013. She delivered a public lecture "Public Health in a Transitional Democracy" and discussed the possibility of our Institute assisting her country in building a robust eye health system. We followed this up with a visit to Liberia, developed a plan on the immediate term project and submitted it to the Liberian government. We are excited about this opportunity and keen to give our best to support this.

As always, the LVPEI family of friends and supporters continued to grow as with their generosity. Enhanced partnership with major corporations in the technology sector was a noteworthy development.

From all that happened during the year, it is obvious that our vision is continuing to get deeper and broader, while our values remain intact and are getting bolstered with the validation that comes through diverse manifestations, both internal and external.



Gullapalli N Rao  
Chair, Board of Trustees



# Awards and Honours

## International

### D Balasubramanian

- Invited to be a member of the International Advisory Committee for Asia ARVO 2015 in Japan.

### Soumyava Basu

- Awarded ARVO/Pfizer Collaborative Research Fellowship for 2013.

### Seelam Bharani

- Best poster at Asia ARVO, Delhi; 28-31 October 2013. Title: 'Efficacy of an information hand-out in setting realistic expectations for patients with low vision.'

### Subhabrata Chakrabarti

- Invited to serve on The Association for Research in Vision and Ophthalmology (ARVO)'s Education and Meetings Steering Committee.
- Appointed to Editorial Board, Translational Vision Science & Technology (TVST), 8 May 2013.

### Jay Chhablani

- Received the American Society of Retina Specialists (ASRS) 'Honor Award' for 2013.

### Taraprasad Das

- Re-elected to Asia Pacific Vitreo-retina Society (APVRS) as Vice President for 2 years, 2014-2015.

### Prashant Garg

- Senior Achievement Award of American Academy of Ophthalmology (AAO), New Orleans, 16-19 November 2013.
- Honored for completing term as President, Ocular Microbiology Immunology Group (OMIG).

### Naresh Gattu

- 'Honorable Mention Award', Ophthalmic Photographer's exhibition, American Society of Cataract and Refractive Surgery, April 2013, San Francisco, California, USA.



### Inderjeet Kaur

- Invited Member Communications Working Group (MCWG) under the Science Pillar of the new Association for Research in Vision and Ophthalmology (ARVO) Strategic Plan.

### Ramesh Kekunnaya

- Achievement award, American Academy of Ophthalmology (AAO), New Orleans, 16-19

## BLSO Adjudged Best Optometry Institute in India



LVPEI's Bausch & Lomb School of Optometry (BLSO) established in the year 2000 was adjudged as 'Best Optometry Institute' in India at the Vision Plus awards ceremony by Four Plus Media on 9<sup>th</sup> March 2014.

November 2013.

- Re-appointed Member, Professional Education Committee, American Association for Pediatric Ophthalmology & Strabismus (AAPOS).
- Appointed Executive Bureau Member, World Society for Pediatric Ophthalmology & Strabismus (WSPOS).

### Rohit Khanna

- Recognised as Eye Health Leader by IAPB.

### Srinivas Marmamula

- Third prize for commendable performance in Poster Session and lasting contribution to Vision Research, Asia ARVO, New Delhi, 28- 31 October 2013.

### Akshay Nair

- Best Poster, American Academy of Ophthalmology (AAO), New Orleans. Coauthors: Swathi Kaliki, Mohammad Javed Ali and Milind Naik. Title: 'Sebaceous Gland Carcinoma: Clinical Profiles, Management and Outcomes in 147 patients.'

### Bhavik Panchal

- Seventh place in 'Erudio 2013', the All India Ophthalmology Quiz held by Allergan for residents from India, Pakistan, Nepal and Sri Lanka.

### Gullapalli N Rao

- Elected President, Academia Ophthalmologica Internationalis (AOI) for a four year term.



## Ophthalmic Assistant Program Secures IJCAHPO Accreditation

LVPEI's Ophthalmic Assistant Program, the vision technician training program conducted by the institute's Bausch & Lomb School of Optometry, has been accredited by the International Joint Commission on Allied Health Personnel in Ophthalmology (IJCAHPO). The IJCAHPO accreditation is valid from June 2013 through May 2018.

- Outstanding Humanitarian Service Award by the American Academy of Ophthalmology (AAO) at the 2013 annual meeting, New Orleans, 16-19 November.

#### Premnandhini Satgunam

- Selected Notable Alumna of The Ohio State University College of Optometry.

#### Pravin K Vaddavalli

- Best paper of session for “DSAEK techniques” at American Society of Cataract and Refractive Surgery 2013, San Francisco, 19 - 23 April 2013.

## National

#### Mohammad Javed Ali

- Best Video, 24<sup>th</sup> Annual Meeting of Oculoplastic Association of India (OPAI), Bangalore, 6-8 September 2013. Coauthors: Aditi Pujari, Milind Naik. Title: ‘Complex CNLDO: Dual Endoscopic guided probing - saving Children from a DCR.’
- Santosh Honavar Award for the best paper in lacrimal disorders at the 72<sup>nd</sup> All India Ophthalmological Conference (AIOC), Agra, 6-9 February 2014.

#### D Balasubramanian

- Appointed Chairman, Task Force of Stem cells and Regenerative Medicine, DBT, India for a 3 year term (2014 - 2017).

#### Praveen K Balne

- Junior Best Paper award, 37<sup>th</sup> National Congress of Indian Association of Medical Microbiologists - MICROCON 2013, Hyderabad; 22-24 November 2013. Title: ‘Comparison of closed tube loop mediated isothermal amplification assay using hydroxynaphthol blue (HNB-LAMP) with uniplex PCR and real-time PCR for the diagnosis of intra-ocular tuberculosis.’
- National Travel Grant from ASIA ARVO-2013 Conference.



#### Sujata Das

- B K Narayan Rao Oration Award, 72<sup>nd</sup> All India Ophthalmological Society (AIOS) conference, Agra; 6-9 February 2014.

#### Taraprasad Das

- Adenwala Oration Award, 72<sup>nd</sup> All India Ophthalmological Society (AIOS), Agra; 6-9 February 2014.

#### Vivek Dave

- Best Poster, 13<sup>th</sup> Annual Meeting of Uveitis Society of India (USI), Mussoorie; 27-29 September 2013.

## LVPEI Bhubaneswar Gets NABH Accreditation

LVPEI's Bhubaneswar campus has been awarded accreditation by the National Accreditation Board for Hospitals & Healthcare Providers (NABH). This is the second LVPEI campus to be accredited by NABH.

## Team from LVPEI Wins Best of Show Award at 2013 AAO



Dr Virender Singh Sangwan received the Best of Show Award for a video presented at the 2013 American Academy of Ophthalmology (AAO) Annual Meeting held at New Orleans, USA. He was the Senior Producer for the video showcasing the procedure of ‘Pannus dissection - most crucial step of surgery in end-stage ocular surface disorders with limbal stem cell deficiency such as chemical and thermal injury, Stevens-Johnson syndrome, and ocular cicatricial pemphigoid’. Others in his team included Dr Anthony Vipin Das, Dr Arjun Srirampur and Dr Somasheila I Murthy. LVPEI’s Central Audio Visual Unit (CAVU) made the video.

#### Subhadra Jalali

- Member, Task Force for Retinopathy of Prematurity (ROP), Ministry of Health and Family Welfare, National Programme for Control of Blindness.
- P Siva Reddy International Gold Medal, 72<sup>nd</sup> All India Ophthalmological Society (AIOS), Agra, for ‘The Indian Twin Cities ROP study (ITCROPS): Lessons learnt in our 15 years journey, from the Journals to the Cribs’; 6-9 February 2014.



#### Srinivas Marmamula

- Honorary Adviser to VisionSpring to provide technical inputs in their operations.

#### Swapna R Motukupally

- Dr G P Agarwal Young Scientist Award, 10<sup>th</sup> National Conference of Society for Indian Human and Animal Mycologists (SIHAM), Coimbatore, 10-12 January 2014. Title: ‘Ocular Infections caused by Candida spp: type of species and in vitro susceptibility.’

#### Sameera Nayak

- Dr Carl Herbort award, 13<sup>th</sup> Annual Meeting of

## Short Film on Stem Cell Therapy at LVPEI Wins Award

Pulse Media Production's *A Question of Science; Stem Cell Therapy for Rejuvenation of Cornea at L V Prasad Eye Institute* received the Golden Beaver Award for Best Science & Technology Short Film at the Rashtriya Vigyan Chalchitra Mela and Competition 2014 held 29 January - 02 February at Visvesvaraya Industrial and Technological Museum VITM, Kasturba Road, Bengaluru.

Uveitis Society of India (USI), Mussoorie, 27-29 September 2013.

#### Niranjan Pehera

- Best paper award for Neuro-ophthalmology session at 72nd annual conference of All India Ophthalmological Society, Agra, 6 February, 2014.

#### Sirisha Senthil

- Best Paper in Glaucoma, 72<sup>nd</sup> Annual Conference of the All India Ophthalmological Society (AIOS), Agra, 6-9 February 2014.  
Title: 'Glaucoma in Boston Keratoprosthesis.'



#### Savitri Sharma

- Presidential Oration at conclusion of her term as President, Society for Indian Human and Animal Mycologists (SIHAM), Coimbatore, 10-12 January 2014. Title: 'Rendezvous with the fungi in the eye.'

#### Shyam Sunder Tummanapalli

- Australian Leadership Awards Fellowships (ALAF) anchored by the Brien Holden Vision Institute (BHI), Sydney with support from India Vision Institute (IVI), August 2013.

#### Pravin K Vaddavalli

- Executive council member, Cornea Society of India.

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## Regional

#### Mohammad Javed Ali

- Raghavachary Award, 37<sup>th</sup> Andhra Pradesh Ophthalmological Conference (AOPC), Warangal, 27-29 September 2013. Title: 'Balloon Dacryoplasty for Partial NLDO in Adults.'
- Manoj Mathur video prize, 7<sup>th</sup> Andhra Pradesh Ophthalmological Conference (AOPC), Warangal, 27-29 September 2013. Title: 'Complex Congenital Nasolacrimal Duct Obstructions CNLDO) in Children and Dual Endoscopic Guided Probing - Saving children from DCR.'

#### Sanghamitra Dash

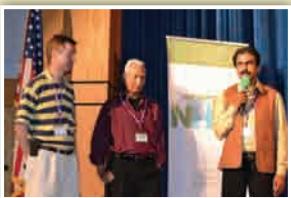
- Rajdhani Gaurav Samman on the 65<sup>th</sup> Foundation Day celebrations of Bhubaneswar, 13<sup>th</sup> April 2013.

#### Merle Fernandes

- Dr Surya Prasada Rao oration award,

## CAVU's film screened at New Hope Film Festival, US

"Surya Prakash - A Journey through Life and Art" a documentary film produced by LVPEI's Central Audio Visual Unit and directed by Sisir Sahana has been screened at the 4<sup>th</sup> Annual Film Festival in New Hope, Pennsylvania, USA on July 20<sup>th</sup>, 2013 at Stephen J. Buck Memorial Theater.



## LVPEI Bhubaneswar bags e-Odisha Award



The LVPEI Bhubaneswar campus was awarded the e-Odisha Award by Shri Pratap Keshari Deb, the Hon'ble minister of IT, Government of Odisha. The award was given for EyeSmart eMR, an ICT initiative in Healthcare.

Andhra Pradesh State Ophthalmological Society Conference (AOPC), Kakatiya Medical College, Warangal, 27-29 September 2013. Title: 'Pediatric Penetrating Keratoplasty in developing countries: To do or not to do.'



#### Sandeep Kumar Pradyuman

- Named 'Earth Person of the Year' by the E-Savers (an LVPEI initiative), Earth Hour Day, 29 March 2014.



#### Krishna Priya

- Swarup's Best Video Award for Ahmed Glaucoma ValveTM (AGVTM) Implantation in ICE Syndrome, 37th Andhra Pradesh Ophthalmological Conference 2013 (AOPC 2013), Warangal, 27-29 September, 2013.

#### Virender Sangwan

- First 'Dr Paul Dubord Chair of Cornea' at LVPEI in recognition of his outstanding contributions to all aspects of cornea.

#### Savitri Sharma

- Prof Rajguru Oration Award, OSOCON - 29<sup>th</sup> Annual Conference of Odisha State Ophthalmological Society, Cuttack, 14 December 2013.

## Special A. P. Government Prizes for LVPEI Gardens

LVPEI received two special prizes from the Government of Andhra Pradesh, Horticulture Department for its gardens at Kallam Anji Reddy Campus and GPR ICARE Campus, Kismatpur on 17<sup>th</sup> February 2014.



# Breaking New Ground

## Vision Centre at Lingala

94<sup>th</sup>

Mallavarapu Venkatappaiah and Manikyamma Vision Centre was inaugurated on 29<sup>th</sup> May 2013 at Lingala Village, Mandavalli mandal, Krishna district. The centre is supported by Prof. Ramakrishna Rao, a retired professor of Indian Institute of Science (IISc), Bangalore and Founder of the Society for Energy Environment and Development (SEED), Hyderabad, and his family members and LDS Charities, USA. It was inaugurated by Dr K Satyanarayana, Retired Director of Medical Education, Government of AP and currently Director Vijaya Health Centre, Secunderabad.



## Vision Centre at Buttayagudem

95<sup>th</sup>

A S Chowdary Nava Bharat Vision Centre at Buttayagudem village in West Godavari district was inaugurated on 21 July 2013. The centre, located in a thickly forested 'Agency' area, is supported by A S Chowdary Navabharat Foundation, Hyderabad, and LDS Charities, USA.



## Vision Centre at Maliyaputti

96<sup>th</sup>

LVPEI's 96<sup>th</sup> Vision Centre was inaugurated on 13 December 2013 at Maliyaputti in Srikakulam district. The dignitaries included Chief Guest Sri Tej Bharath (RDO), Sri Madugula Rama Rao (donor), Sri A S Rao (Plant Head, East Coast Energy Pvt. Ltd), Sri P Venkatapathi Raju (Managing Director, COSMICON Infrastrucutres), Sri P Lakshmipathi Raju (supporter), Smt T Bharathi (Sarpanch, Maliyaputti) and Sri Kondala Rao (Tehsildar).



## Vision Centre at Pydibhimavaram

97<sup>th</sup>

LVPEI's 97<sup>th</sup> Vision Centre was inaugurated on 13 December 2013 at Pydibhimavaram in Srikakulam district. Sri P Sanjeeva Rao and Smt P Uma Devi (Pothinindi Kankadurgamma Charitable Trust), Sri. K V Rao, (Joint Commissioner), Sri Lakshmi Narayana (Pollution Control Board), Sri Lankelapalli Prasad (Sarpanch, Pydibhimavaram) and Sri Vikrama Jagannadham (Sarpanch, Govindhapuram), Sri Uppalapati Raja (Business Associate, TITAN Group) and other dignitaries participated in the event.



## Vision Centre at Tekkali

98<sup>th</sup>

The Tekkali Vision Centre in Srikakulam district is supported by Lavelle Fund for the Blind, USA. Bhagawan Sri Sathya Sai Seva Samithi provided rent free premises while Uthara Andhra Granite Owners' Association provided one year's operational expenses.



## Vision Centre at Ramakrishna Math

99<sup>th</sup>

The Vivekananda Vision Centre, at the Ramakrishna Math Medical Center in Hyderabad was opened on 27 December 2013. The dignitaries present included Swami Jnanadananda - President, Ramakrishna Math; Swami Shitikanthananda - Head of the Health Center; Dr Anupama Reddy, Medical Director of the Health Centre; besides Dr G N Rao and Mrs. Pratibha Rao from LVPEI.



commenced with the traditional 'Dimsa' tribal dance followed by 'pooja' at the Lord Venkateswara temple.

## Vision Centre at Araku

100<sup>th</sup>

LVPEI began the New Year with the launch of its 100<sup>th</sup> Vision Centre on 5<sup>th</sup> January 2013 in the predominantly tribal area of Araku in Visakhapatnam district. The capital funding is from the Lavelle Fund for the Blind, USA, and one year operational expenses from Sri Uppalapati Raja, TITAN Business Associate, Visakhapatnam. The event

## New Vision Centres in Krishna District Inaugurated on 15 March 2014

101<sup>th</sup>

### Agiripally Vision Centre

The Agiripally Vision Centre centre is supported by Latter Day Saint Charities, USA.

Dignitaries present for the inauguration included Sarpanch Sri Veerababu, Sri Pulla Rao, Sri P Ravi and Sri Karunakar.



102<sup>th</sup>

## Vissannapeta Vision Centre

Vissannapeta Vision Centre, supported by Latter Day Saint Charities, USA, was inaugurated by Sarpanch Sri P Laxmaiah. Dignitaries present included Dr Rami Reddy, Dr P Vijay, Dr B Gopal Rao and Dr M Srinivas.



103<sup>th</sup>

## Movva Vision Centre

Movva Vision Centre, supported by Latter Day Saint Charities, USA, was inaugurated by Smt Bala Tripura Sundari who also provides rent-free premises for the centre. Dignitaries present included Sri Kolli Koteswara Rao, Sri Thathineni Purnachandra Rao, Sri B Krishna Rao and Sri Thathineni Ramdas.



## Breaking New Ground in the State of Odisha

### Foundation of Berhampur Centre

The Foundation ceremony for LVPEI's first secondary centre in the state of Odisha took place on 3 October 2013 at Berhampur, Ganjam District. Chief Minister Shri Naveen Patnaik unveiled the plaque and was accompanied by Shri Surya Narayan Patro, Hon'ble Minister for Revenue and Disaster Management; Shri Siddhant Mohapatra, MP, Berhampur; and Shri Pradeep Panigrani, MLA, Gopalpur.



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### Foundation for Rajgangpur Centre

The foundation ceremony of OCL Eye Center, Rajgangpur, supported by OCL India Ltd was graced by Shri Naveen Patnaik, Hon'ble Chief Minister of Odisha on 15<sup>th</sup> December 2013. Ms Kanupriya Dalmia, Asst. Vice President, OCL India; Mr. D D Atal, Whole Time Director, OCL India, Rajgangpur; and other dignitaries were present on the occasion.



# Network News

## LVPEI Launches 'Next-25' Initiatives

LVPEI's strategic initiatives 'Next 25' were launched on 19<sup>th</sup> April 2013 at an event presided at by Sri M M Pallam Raju, Hon. Minister for Human Resource Development, Government of India. The initiatives are a progression of the institute's measure of expertise, best practices and cutting-edge capabilities accumulated over the past 25 years of dedicated service in the elimination of avoidable blindness.



The new initiatives comprise the following:

- Academy for Eye Care Education
- Institute for Eye Care for the Elderly
- Institute for Eye Cancer
- Child Sight Institute
- Centre for Ocular Regeneration (CORE)
- Centre of Excellence in Eye Banking

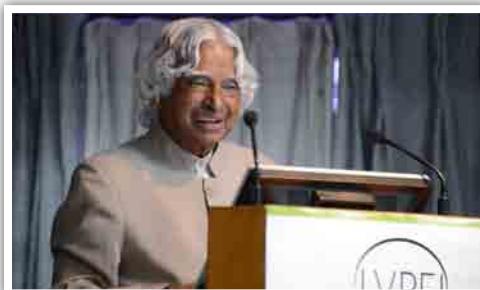
## Dr Abdul Kalam Inaugurates SRUJANA Innovation@LVPEI



His Excellency Dr APJ Abdul Kalam (former President of India) launched the LVPEI-MITRA Program to initiate [Srujana: Innovation@LVPEI](#) aimed at developing eye care solutions on the 25<sup>th</sup> of October 2013 in collaboration with the Camera Culture group (MIT) of the MIT Media Lab and funded through the support of Infotech Enterprises Endowment for Innovation in Eye Care.

Dr. Kalam spoke about creativity and innovation in young minds. Others who spoke included Dr. Gullapalli N Rao, Chair, L V Prasad Eye Institute; Mr. B V R Mohan Reddy, Chairman and Managing Director, Infotech Enterprises Limited; Dr. Virender Sangwan, Director,

SRUJANA Centre for Innovation, Centre for Regenerative Ophthalmology and Clinical Research, LVPEI; and Prof. Ramesh Raskar, Associate Professor of Media Arts and Sciences, MIT Media Lab.



## President of Liberia Visits LVPEI

Her Excellency Dr Ellen Johnson Sirleaf, President of Liberia and Nobel Laureate 2011 for Peace, visited LVPEI on 10 September 2013. Dr Sirleaf spoke on 'Public Health in a Transitional Democracy'. She also wanted LVPEI to establish an institute in Liberia that can help in building a comprehensive eye care system in that country. Dr Gullapalli N Rao, Chairman, LVPEI, said that around 25-30 primary eye care centres, 3-4 secondary ones and a tertiary unit in the country's capital Monrovia were proposed to be established under the Liberia Eye Health Initiative being undertaken with LVPEI.



## LVPEI Team Visits Liberia

Following on from last year's visit by President Sirleaf to LVPEI to formally launch the Liberia Eye Health Initiative, Chairman Dr G N Rao led a team to Liberia on an assessment visit, 17-19 February. He was accompanied at the meeting by Honorary Consul General Sachdeva; Sam Balasundaram and Rajashekhar Varda from LVPEI; General Administrator of the JFK Medical Centre Dr Wvannie Mae Scott-McDonald, Chief Medical Officer Dr Billy Johnson and Dr Wiafe Boateng, Senior Ophthalmologist associated with the program in Accra, Ghana. The LVPEI team suggested building a robust eye care service including at the Government's referral hospital, the John F. Kennedy (JFK) Medical Center.



## EYE-PEP 2013

Eye-PEP (post-graduate education program), 1 - 6 October 2013, had 240 delegates participating in the grand rounds competition, quiz competition, breakfast with experts, instruction courses on diagnostic techniques and interpretation, etc. that were part of the event. Dr G Natchiar, Emeritus Director, Human Resource Development, Aravind Eye Care System, Madurai, was the 'Eye-PEP icon' for 2013 and she spoke on 'Enjoying Neuro-Ophthalmology.'



## Seventh Annual Champalimaud Research Symposium

The Seventh Annual Champalimaud Research Symposium on 2 February 2014 featured a day-long scientific session organized into seven streams comprising Stem-cell biology, Genomics, Infections, Visual Psychophysics, Low Vision and Rehabilitation, Public Health and Clinical Research. This year's Champalimaud speaker Prof Jayakrishna Ambati from the University of Kentucky College of Medicine, spoke on "New insights into geographic atrophy." Other invited speakers included Prof Pablo Artal, University of Murcia, Spain; Prof James Funderburgh, University of Pittsburgh, USA; Dr James Chodosh, Massachusetts Eye and Ear Infirmary, USA; Prof Vijayalakshmi Ravindranath, Indian Institute of Science, Bangalore and Dr Alladi Suvarna, Nizam's Institute of Medical Sciences, Hyderabad.



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## 'Vision Lifeline' for Operational Excellence

As part of the exciting new phase of its journey, to bring about better systems for more efficient and effective functioning of processes within the organisation, LVPEI has embarked on implementing an Integrated Service Platform in SAP Best Practices for Operational Excellence, in partnership with Infotech Enterprises Limited. A kick-off meeting was organized in this connection on 26 March 2014 where speakers from both LVPEI and Infotech spoke to throw light on the objective of the project. The project is named 'Vision Lifeline'.

## India's First Ever Pure Refractive Surgery Meet



Refractive Surgery 360<sup>o</sup>, a two day event focusing solely on refractive surgery was held at HICC in Hyderabad, 17-18 August 2013. The unifying theme was to understand the science behind the art of refractive surgery and the direction it seems to be heading in. The meeting focused on laser corneal surgery, machine technology, corneal topography, biomechanics, refractive correction of keratoconus, lens based refractive surgery and phakic IOLs. It had about 400 delegates, 33 speakers, 7 instruction courses, 26 case discussions and - on the sidelights - a much appreciated musical night.



## World Glaucoma Week, 9-15 March 2014

The focus this year was on early detection and prevention of glaucoma through family screening and prevention of steroid abuse. The theme for this year was 'BIG: Beat Invisible Glaucoma.' A series of events were organized across the LVPEI network.



March 9:  
**Glaucoma  
Awareness  
Walk**



March 14:  
**Patient  
Education  
Forum**

This was well attended by patients and their families who wanted to learn more about the disease and interact with the experts.

The CME 'Glaucoma: Basic & Master's Course' on 16<sup>th</sup> March, networked across all tertiary centres, was conceptualized for general ophthalmologists, practicing glaucoma specialists and postgraduates.



March 16:  
**CME on  
Glaucoma**

## World Glaucoma Week Across the VVC Complex

The Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye care (GPR ICARE) organized rallies, community screening programs, and public awareness meetings.



Cherukupally



Mudhole

## LVPEI is Member of Commonwealth Eye Health Consortium

On Commonwealth Day 10 March 2014, eye health experts across the Commonwealth joined forces forming the Commonwealth Eye Health Consortium to combat avoidable blindness and improve quality of eye care across the Commonwealth thanks to a major new grant of £7.1 million from The Queen Elizabeth Diamond Jubilee Trust. L V Prasad Eye Institute is one of the 11 members of the consortium, which is coordinated by the International Centre for Eye Health at the London School of Hygiene and Tropical Medicine.

## LVPEI Organizes ICLEP Gold

The 50<sup>th</sup> Indian Contact Lens Education Program (ICLEP) was held 7- 9 March 2014 at the Kallam Anji Reddy Campus of the Institute. Held in collaboration with Bausch + Lomb twice a year, this year's program was called ICLEP Gold as it marked the Golden Jubilee of the longest successfully running contact lens program.

The program had both international and national faculty, offering an amazing learning opportunity for both students and practitioners. Integral to the program were focused instruction courses and hands-on time with exposure to specialty lenses.



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## Endowment Lectures

### Prof. C Syamala Bhaskaran Endowment Lecture

**Dr Gislin Dagnelie**, Associate Director, Lions Vision Research and Rehabilitation Center and Associate Professor of Ophthalmology, The Wilmer Eye Institute, delivered the 17<sup>th</sup> Prof. C Syamala Bhaskaran Endowment Lecture on 'The ageing eye and the future of low vision rehabilitation' on 1 November 2013 at the Kallam Anji Reddy Campus, Hyderabad.



**Dr Anand Vinekar**, Associate Professor & Head, Dept. of Pediatric Retina, Principal Coordinator-KIDROP, Narayana Nethralaya Postgraduate Institute of Ophthalmology, Bangalore delivered the Prof. C Syamala Bhaskaran Endowment lecture on 6<sup>th</sup> July at the Bhubaneswar Campus. He spoke on 'Serving the community with Tele-ROP: The evolution of the KIDROP program and the road ahead'.



# Memorial Lectures



## Dr Rustam D Ranji Rotary Award and Lecture 2013

Dr GVS Murthy, Director, Indian Institute of Public Health (IIPH), Hyderabad, was awarded the Dr Rustam D Ranji Rotary Award for distinguished service in the field of public health care on 18 September 2013, jointly instituted by the Rotary Club of Hyderabad Dist 3150 in association with LVPEI. He delivered the annual Rustom D Ranji Memorial Lecture on 'Health at the crossroads: Do we now need a health security bill?'



## Bijayananda Patnaik Memorial Lecture

On the occasion of LVPEI Bhubaneswar's Foundation Day on 16 January 2014, Dr Pawan Sinha, Professor in the Department of Brain and Cognitive Sciences, MIT, USA, delivered the 4<sup>th</sup> Bijayananda Patnaik Memorial Lecture on 'Learning to see late in life.'



# Public Lectures



The Public Lecture by **Dr Ramachandra Guha**, an Indian historian and writer with diverse research interests, was on June 19, 2013 at the Patodia Auditorium, Kallam Anji Reddy campus. He spoke at length on 'The Indian Democracy's Midlife Crises.'



**Dr Ayanna Howard**, Director, Human Automation Systems (HumAnS) Lab, Georgia Institute of Technology, USA, delivered a Public Lecture on 3 September 2013 at the Kallam Anji Reddy Campus. She spoke on 'Assistive Robotics and Technologies for Healthcare Applications.'



## 'Team 25' Get-together

LVPEI had an exciting event 'Team 25' on August 25, 2013, for their faculty and senior administrators across the network. The event comprised a day-long fun camp for the participants at a resort on the outskirts of Hyderabad.



## Kallam Anji Reddy Campus

The mission of LVPEI patient care is that no treatment, however expensive, may be denied to any patient for financial reasons. The values that drive all our actions, especially patient care, are:

- Patient first: We hold the needs and wellbeing of patients as our top priority.
- Excellence: We follow the highest standards in all that we do.
- Equity: We treat all with respect, regardless of their socioeconomic background.
- Integrity: We take pride in being honest, fair, transparent and accountable in all we do.
- Togetherness: We are all together “so that all may see”

It is these values and the clinical excellence of our team that has created the brand LVPEI for its world class and comprehensive eye care to all those in need. Our team has created a niche for themselves in special areas like stem cell transplants, retinopathy of prematurity, corneal infections and transplants, all aspects of pediatric ophthalmology, to name a few.

The trust and confidence our patients have in our care has enabled our expansion, both at the Kallam Anji Reddy campus as well as across all the four states in the Eye Health Pyramid that is the signature model developed by LVPEI. I would like to acknowledge the support that we have received from the many philanthropists that have helped and continue to help us in our fight against avoidable blindness. This support only increases our responsibility, which our team whole-heartedly accepts and rededicates itself for the vision “so that all may see”.

G Chandra Sekhar  
Vice Chair,  
*Director,*  
*Kallam Anji Reddy Campus, Hyderabad*



## President of Liberia visits LVPEI

Her Excellency Dr Ellen Johnson Sirleaf, President of Liberia and Nobel Laureate 2011 for Peace visited LVPEI on 10 September 2013. (*More information in Network News, page 17*).



## Retinopathy of Prematurity (ROP) Day



Retinopathy of Prematurity (ROP) Day on 21 November 2013 was commemorated as part of the National Newborn Week and the World Prematurity Day (November 17). Dr Padmaja Rani saw the 10,000<sup>th</sup> preterm baby at LVPEI, under the ITCROPS (Indian Twin Cities ROP Screening) program that was initiated in 1998. Dr Srinivas Murki, guest speaker from Fernandez Hospital provided the neonatologist's perspective to the gathering.



## INK Salon

The INK Salon interaction on Foundation Day 17 October had Lakshmi Pratury, host and curator converse with Mrs. Pratibha Rao and Dr. Rao regarding chasing and realizing Dr. Rao's vision of LVPEI.

Susant Pattnaik, a technology wiz kid, a young serial inventor, serial entrepreneur and motivational speaker, hailing from Odisha, demonstrated some of his innovations.



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Bonnie Chakraborty rendered a song in the 'Baul' tradition and Vicky Roy recounted his story of a rag-picker growing to be an ace photographer invited to dine with Prince Edwards at the Buckingham Palace. Rounding off the program were rehabilitation clients Aditya, Shravya and Venkatesh performing musical numbers.



## Diabetic Retinopathy Patient Forum

A Diabetic Retinopathy Patient Educational Forum was organized on 16 November 2013 at the Patodia Auditorium of L V Prasad Eye Institute, in the context of World Diabetes Day observed on 14<sup>th</sup> November.

The program was aimed to raise awareness regarding the importance of lifestyle modification including mitigating risk through good glycemic control, hypertension and lipid management, along with screening for Diabetic Retinopathy by fundus examination annually.

## LVPEI Launches New Initiatives – “Next-25”



L V Prasad Eye Institute (LVPEI) announced on 19<sup>th</sup> April 2013 its Strategic Initiatives for the Next 25 years at an event presided at by Sri M M Pallam Raju, Hon. Minister for Human Resource Development, Government of India.

(More information in Network News, page 16)

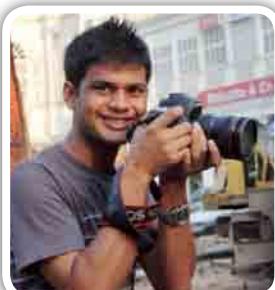


## LVPEI Celebrates Nurses' Day



On the eve of International Nurses' Day a grand cultural program was organized at the Patodia Auditorium of the Kallam Anji Reddy Campus. Nurses renewed their oath of service and also participated in various cultural programs. International Nurses' Day is celebrated around the world on 12 May every year, to mark the contributions nurses make to society. It is the anniversary of the birth of Florence Nightingale, who is widely considered the founder of modern nursing.

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## Vicky Roy Visits LVPEI

Vicky Roy, the celebrated photographer, made a presentation on 12<sup>th</sup> December 2013 of his photographs shot across the LVPEI network.

## Children's Day Celebrations

On the occasion of Children's Day on November 14, Jasti V Ramanamma Children's Eye Care Center organized 'Eyes Baby Eyes' an interactive session with their little patients and families to discuss some of the common childhood eye problems, the importance of diagnosing these problems early and their management.

Green Gold Animation and Green Gold Store, the makers of the hugely popular 'Chota Bheem' cartoon series supported the initiative and presented 'Mighty Raju' the mascot, for the first time ever; along with 'Kalia' from the same serial.



## World Sight Day

World Sight Day (WSD) is an annual day of awareness held on the second Thursday of October, to focus global attention on blindness and vision impairment. WSD, marked this year on 10 October 2013, was co-ordinated by IAPB under the VISION 2020 Global Initiative.



## Staff Celebrates Foundation Day



much singing and dancing sent reverberations of the sound of joy into the cool evening air.

The 27<sup>th</sup> Foundation Day celebrations held on the evening of 17 October 2013 were fun time for the employees and their families. Dr. Rao and Dr. G. Chandra Sekhar addressed the gathering and appreciated them for playing their role in building such a great institution.

Prizes were distributed on the occasion to staff members in recognition of their services rendered over the past twenty five years. Winners in various competitions conducted on the occasion of the Foundation Day were also awarded. Cultural events with



## Universal Care Foundation donates 50 Blankets

Universal Care Foundation donated 50 blankets for use in the non-paying wards of the Institute on 25 September 2013.



## IPIHD Team Visits

Health system leaders of the International Partnership for Innovative Healthcare Delivery (IPIHD) from US and UK visited LVPEI on 9 October 2013. The team was very impressed with the institute's quality healthcare delivery which is both affordable and accessible to all.

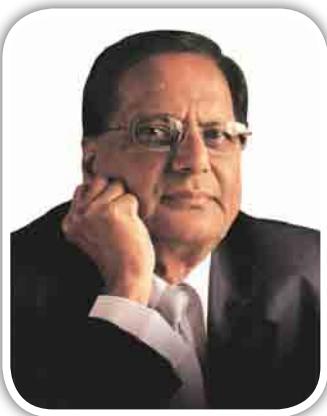


## City Centre's 3<sup>rd</sup> Anniversary

LVPEI's City Centre at Madhapur, Hyderabad, celebrated its 3<sup>rd</sup> anniversary on 16 August 2013. The centre saw 50,235 out-patients and performed 5039 surgeries in these three years.

## Summer Project for School Boys

Two middle-school students did their summer projects under Dr. Shrikant Bharadwaj, Head, Visual Optics Lab and Dr. PremNandhini Satgunam, Head, Low Vision Rehabilitation Lab. Ujwal Mantha, IX standard, Glendale Academy Institute, worked on understanding how blurred vision affects depth perception, while Siddharth Senthil, VII standard, Gitanjali Senior School, Begumpet, worked on studying how visual illusions can trick the judgement of size of objects (the Muller-Lyer illusion). They also gave animated presentations to the faculty that also had their proud mothers Dr Padmaja Rani and Dr Sirisha Senthil.



## Dr Kallam Anji Reddy Memorial Symposium

To celebrate the life and work of Padmabhushan Dr Kallam Anji Reddy, the founder chairman of Dr. Reddy's Labs, Hyderabad, who passed away on March 15, 2013, a symposium was held on 11<sup>th</sup> June. The speakers recalled the great virtues of the scientist-entrepreneur who was instrumental in transforming the Indian bulk drug industry from being import dependent to an export oriented industry. His contribution to the cause of social welfare and the support he provided to LVPEI were fondly remembered.

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## 26<sup>th</sup> Anniversary Celebrated

The 26<sup>th</sup> anniversary of LVPEI on 1<sup>st</sup> of June 2013 recalled happy patient stories and had the entire organisation re-dedicate itself for the cause of patient care. There were also humorous skits performed that livened up the evening program.

## Eye Screening for Legislators

LVPEI conducted an Eye Health Program for the members of the AP Legislative Assembly at the Assembly premises 17-21 June 2013. In all, 75 members of the assembly and 385 staff members were screened. Spectacles were prescribed to 257 persons of whom 35 were Members of the Assembly.



## Australian Delegation Visits

A delegation of senior public servants from Australia came visiting on 27 June 2013 as part of a 'Leading Australia's Future in the Asia-Pacific (LAFIA)' Program delivered by the Australian Public Service Commission in partnership with Deakin Prime and Deakin University.



## World Retinoblastoma Week



The Seventh World Retinoblastoma Awareness Week, 12-18 May 2013, was commemorated with activities aimed to bring public focus on Retinoblastoma, the eye cancer that can occur in any child, but is curable if diagnosed early.

Dr. Swathi Kaliki, Consultant, Orbit and Ocular Oncology Services said that the lives of children with advanced retinoblastoma can now be saved with a combination of chemotherapy, surgery and radiation therapy.

LVPEI sees around 200-250 Retinoblastoma patients per year, which makes it the highest referral centre for Retinoblastoma. Approximately half the patients are treated free of cost.

## Engineering the Eye Workshop

'Engineering The Eye', an Innovation Workshop with MIT Media Lab, for which LVPEI is the ophthalmology partner, concluded at Hyderabad on July 13, 2013. The workshop brought together students from across India to work with clinicians over seven days to develop fully functional prototypes that address both prevention of blindness and enable people with existing vision damage to lead fuller, productive lives.

The partners for the event included MIT Tata Center for Technology and Design, BITS Pilani: Hyderabad, MIT Media Lab and Perkins School for the Blind.



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## MOU with NTR Memorial Trust Blood Bank

LVPEI entered into an agreement with NTR Memorial Trust on 18 January 2014 for the benefit of patients, especially the non-paying ones. Present on the occasion were Sri Nara Chandrababu Naidu, Managing Trustee of the NTR Memorial Trust; Dr Chukka Kondaiah, CEO of the Trust; Dr Gullapalli N Rao and other dignitaries. LVPEI will conduct periodic blood donation camps among its employees to mobilize at least 600 units of blood in a year, with support from the Blood Bank.

## Udayagiri Lions Eye Hospital Staff Visit

A 60 member team from Udayagiri Lions Eye Hospital, Udgir, Latur district, Maharashtra visited the Kallam Anji Reddy Campus on 25 January 2014 to tour all the departments and study LVPEI's service model and protocols.



## Blood Donation Camp

As an initiative mooted by Team Red members on August 25, 2013 at an executive team bonding event, a blood donation camp was conducted at the Kallam Anji Reddy campus in Hyderabad on 30<sup>th</sup> January 2014.

211 donors donated their blood, represented by all cadres of LVPEI staff who wholeheartedly participated and contributed for this noble cause. Many of them even motivated their acquaintances and friends to come and donate. Dr Chukka Kondaiah, CEO of NTR Memorial Trust and Mr B V Chowdary, Advisor, also visited the camp to acknowledge the contribution to this initiative.

In recognition of the “Gift of life” a felicitation program was organized on February 14 and appreciation certificates were handed over to the donors.



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## School Screening and Teacher Training

As part of the Hyderabad Outreach Urban Slum Eye Health (HOUSE) program at the City Centre in Madhapur, school children were screened in the Hafeezpet area. A Teacher Training program was organized by GPR ICARE on 6<sup>th</sup> February. 10 high schools and 2 Anganwadi centres participated.

## Induction of Research Fellows

The induction ceremony for the 2014 batch of research fellows was organized on 12 February 2014. The batch has 10 Project fellows, 3 Junior research fellows and 3 Post doctoral fellows. The program comprised introduction of the fellows to the clinical and research staff, a brief introduction on LVPEI's Mission and Vision by Dr Rao, messages from alumni, an interactive breakfast session followed by a day-long orientation course on various aspects and services/ facilities offered at LVPEI. Another highlight of the ceremony was the launching of AUGMET-the research alumni association with 7 LVPEI alumni gracing the occasion. The ceremony ended with a quiz on LVPEI and a short cultural program by the research fellows.



## Novartis Team

A team from Novartis visited LVPEI on 19 February 2014 to understand decision-making in the choice of technologies/drugs for treating retinal diseases, and the funding mechanisms for healthcare delivery through insurers/Third Party Administrators for relevant patient categories.



## Fire Safety Drill

Day-long activities on 6<sup>th</sup> and 12<sup>th</sup> March 2014 were conducted to bring about greater awareness among staff regarding Disaster Management and Fire Safety. They were assisted by Mr B. Nageshwara Rao Assistant Director, Civil Defence; and Mr D Mohan Rao, Fire Officer, Film Nagar Fire Station and their team who also conducted a mock drill evacuation in the event of a fire.



## World Glaucoma Week, March 9-15

The focus this year was on early detection and prevention of glaucoma through family screening and prevention of steroid abuse. The theme for this year was 'BIG: Beat Invisible Glaucoma'. A series of events were organized across the LVPEI network:

### March 9: Glaucoma Awareness Walk

Producer Dil Raju, Tollywood actress Regina Cassandra and Director Neelakanta comprised the celebrity draw at the Walk at 7 am from Prasad Labs to Jubilee Hills check-post in Hyderabad and back. Similar Awareness Walks were held in Visakhapatnam, Bhubaneswar and Vijayawada.

### March 14: Patient Education Forum

This was well attended by patients and their families who wanted to learn more about the disease and interact with the experts.



### March 16: CME on Glaucoma

The CME 'Glaucoma: Basic & Master's Course' networked across all tertiary centres, was conceptualized for general ophthalmologists, practicing glaucoma specialists and postgraduates.



## Workshop on Multisensory Functions after Cataract Surgery

A workshop on multi-sensory functions after cataract surgery in children was conducted on the 24<sup>th</sup> October 2013. The program was supported by DFG (German Research Foundation) and HERF (Hyderabad Eye Research Foundation). Dr Brigitte Röder and her team from the University of Hamburg,

Germany, discussed the results of collaborative research conducted thus far between LVPEI and the University of Hamburg over the last couple of years.

## National Safety Day Symposium



On National Safety Day 8<sup>th</sup> March 2014, the Shri Pushkarlal Tibrewala and Smt Jamuna Devi memorial symposium on 'Prevention of Eye Injuries and Promotion of Eye Safety' was organized in conjunction with Y Kishan Rao

Balanagar Lions Eye Hospital (BLEH) at their facility. Speakers included Ln G Nageshwar Rao, Chairman - BLEH, and Dr Anthony Vipin Das, Mr Jachin D Williams and Mr Rajiv Kumar from LVPEI.





## Bhubaneswar Campus

What a year it was! A total of 1,02,336 people visited the Institute and 11,365 eye surgeries were performed. Of these, 23% outpatients and 38% surgeries were free of cost. In November 2013, we crossed the 5,00,000 mark in outpatients and 50,000 in surgery.

Our 'Go Green' philosophy led our transition to the Electronic Medical Record (EMR) system in June 2013. We take pride that we are the only eye care facility in this part of India with a complete EMR system. For this, we were awarded the 'e-Odisha Award in ICT in Healthcare Initiative'.

We are now translating our pyramidal model of eye care delivery in Odisha, beyond the tertiary eye centre at Bhubaneswar. The upcoming locations include Berhampur, Rajgangpur, Rayagada and Balasore.

On the 5th anniversary of our Miriam Hyman Children Eye Care Centre in July 2013, Dr Anand Vinekar of Narayan Nethralaya, Bangalore, delivered the C S Bhaskaran Lecture 'Serving the community with Tele-ROP: The evolution of the KIDROP program and the road ahead'. The two-day CME on 'Pediatric Ophthalmology and Strabismus' was conducted during that time, and the three-day 'AIOS-PG Refresher Course' was from July 4-6, which was attended by 57 postgraduate students from the eastern zone.

The 4th Bijayananda Pattanaik memorial lecture on 'Learning to see late in life' was delivered by Dr Pawan Sinha, Professor, Department of Brain and Cognitive Science, MIT, USA.

Our first batch of long-term Cornea and Retina fellows graduated this year. Long-term Oculoplasty and Glaucoma fellowship was introduced for the first time this year and we continue to strengthen our Diplomate of National Board (DNB) program in Ophthalmology.

On the research front, we have had a great year. We signed an MoU with the National Institute of Science Education and Research (NISER) for collaborative research. This is in addition to our continuing collaboration with the Institute of Life Sciences (ILS). We also secured two new grants from the Department of Bio-Technology (DBT), Government of India, and saw through 36 research publications in peer-reviewed journals. I received the B K Narayan Rao award from the All India Ophthalmological Society, and my colleague Soumyava Basu won the prestigious Pfizer Fellowship from the Association of Research in Vision and Ophthalmology (ARVO).

A handwritten signature in black ink, appearing to read "Sujata Das".

Sujata Das  
Director,  
*Bhubaneswar Campus, Bhubaneswar*

## MoU with NISER

An MoU was signed between LVPEI Bhubaneswar and NISER (National Institute of Science, Education and Research, Dept. of Atomic Energy) Bhubaneswar on 23<sup>rd</sup> April 2013 with Dr T Chandrasekhar (Director, NISER) and Dr Sujata Das (Director, LVPEI Bhubaneswar) as the signatories. Also present were Dr Taraprasad Das, Vice Chair, LVPEI Network, and Dr Aparna Rao, Head, Glaucoma Services, LVPEI Bhubaneswar. The MoU will lead to the undertaking of joint projects of common interest, and the utilization of the facilities and expertise of both the institutions specific to the collaborative areas.



## NABH Accreditation for LVPEI Bhubaneswar

LVPEI's Bhubaneswar campus has been awarded accreditation by the National Accreditation Board for Hospitals and Healthcare Providers (NABH). The accreditation is effective from 10<sup>th</sup> May 2013. This is the second LVPEI campus to be accredited by NABH.

## Workshop on Refraction Technique & Clinical Implication

Organized by India Vision Institute (IVI), a joint initiative of BHVI (Australia), and LVPEI, the workshop held at LVPEI's Bhubaneswar campus attracted about 50 participants comprising Optometry staff and students, including 11 from East India. The program was coordinated by Ms Sirajum Monira, Optometrist, LVPEI Bhubaneswar.



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## Fifth Anniversary of Miriam Hyman Children's Centre



LVPEI Bhubaneswar celebrated the 5<sup>th</sup> anniversary of the Miriam Hyman Children's Eye Care Centre (MHCECC) on 3<sup>rd</sup> July by organizing a drawing competition at the institute for primary school children on the theme "Impact of blindness on life". Ms Esther Hyman from the Myriam Hyman Memorial Trust, UK, was present on the occasion.



## Anniversary Day Celebrations

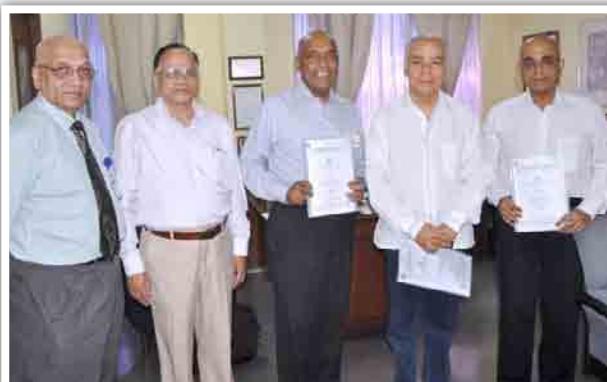


LVPEI Bhubaneswar celebrated its 7<sup>th</sup> anniversary on 3 July 2013. The academic block of the Pathak Centre for Eye Care Education – ‘Endeavour’ - was formally opened on the occasion. Dr Rao announced the institution of the ‘Dr Taraprasad Das Chair of Ophthalmology’ in recognition of Dr Das’s contribution towards the development of the Bhubaneswar campus. The Best Employee certificate of the year 2013 was awarded to Ms Mamata Rani Swain.



## MoUs for Setting Up Secondary Centres in Odisha

LVPEI signed MoUs with The Savitri Waney Charitable Trust and Naraindas Morbai Budhrani Trust (NMBT) on 13 February 2014 for the setting up of secondary centers in Odisha. The former was represented by Ms Devika Mokhtarzadeh and Ms Rebecca Muir and the latter by Mr D N Budhrani and Mr V N Hegde. Dr Prakash Mirchandani from the Tulsi Trust was also present.



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## BIG Think Tank Meeting

BIG-Think Tank meeting of eye research was conducted, which was an initiative to bring together clinicians, basic scientists from different areas of expertise on a common platform. This included speakers from all areas - genetists, nanotechnologists, veterinarians and cell-biologists who showcased their ideas for future collaborations with LVPEI.

## Bijayananda Patnaik Memorial Lecture

LVPEI Bhubaneswar celebrated its Foundation Day on 16 January 2014 with Dr Pawan Sinha, Professor in the Department of Brain and Cognitive Sciences, MIT, USA, as the Chief Guest. He delivered the Fourth Bijayananda Patnaik Memorial Lecture “Learning to see late in life”. Dr Sinha adopted a tree to mark the occasion, and a cultural program in the evening rounded off the event.





## ROP Awareness Program

Retinopathy of Prematurity (ROP) Day on 21 November @ Bhubaneswar campus was marked with an awareness program on ROP attended by more than 70 delegates. Dr J K Das, Joint Director Health (Ophthalmology), Government of Odisha, urged pediatricians to refer all babies at risk of ROP without fail. He also launched the 'Universal Neonatal Eye Screening' program.

## World Sight Day

World Sight Day was organized jointly by Lions Club and Open Learning System, Bhubaneswar on October 10, 2013. Ms Prajna Mohapatra, Rehabilitation Assistant, led the screening and awareness program conducted at an urban slum Kharvel Nagar in Bhubaneswar.



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## LVPEI Bhubaneswar Wins e Odisha Award

The LVPEI Bhubaneswar campus was awarded the e Odisha Award by Shri Pratap Keshari Deb, the Hon'ble minister of IT, Government of Odisha. The award was given for EyeSmart eMR, an ICT initiative in Healthcare.

## World Glaucoma Week, March 9-15

The focus this year was on early detection and prevention of glaucoma through family screening and prevention of steroid abuse. The theme for this year was 'BIG: Beat Invisible Glaucoma.' A series of events were organized across the LVPEI network including the Bhubaneswar campus. The Glaucoma Awareness Walk on March 9<sup>th</sup> saw enthusiastic participation from supporters and staff.





## Computer Training in JAWS

For the first time the rehabilitation team from LVEPI Bhubaneswar, has introduced and initiated computer training in JAWS,(screen reading software) to the college going visually challenged students in Odisha.

The program commenced on 7 May 2013 with 3 members undergoing the formal training in using this software for various Microsoft applications at the centre. The students were issued certificates from LVPEI which were handed over by the Dr. Sujata Das, Director of Bhubaneswar campus,

The program has helped them acquire the skills required to access and read email and

also browse the net independently. Computers have become part of their day-to-day activities helping them develop self confidence and explore enhanced opportunities in terms of employment and education.

## Initiation of Speech and Physiotherapy Session

On 19th July, 2013 LVPEI Bhubaneswar started a Speech and Physiotherapy session for the children with motor and speech impairment problems. About 11 patients have benefited from this service.

Conducted every 2 to 3 months, the sessions are being attended by parents and their children. This is helping them to develop physical, motor functioning and also enhance their communication and language skills.



# GMR Varalakshmi Campus



Training and education form an integral part of the LVPEI DNA and towards this end we are extremely grateful to the late Mr Pathak who generously contributed towards the establishment of the 'Pathak Centre for Eye Care Education' at the GMR Varalakshmi campus. The new facility comprising a huge auditorium, library, class rooms, wet lab, hostel and guest house was inaugurated on 7 July 2014 on our 7th anniversary.

To commemorate the occasion, we conducted the second issue of our unique meeting, 'Looking Beyond the Eye II', which brought ophthalmologists and other specialists together to discuss diseases involving the eye and the rest of the body. Our exclusive optical outlet, with a wide variety of branded frames and lenses, was also inaugurated on the same day.

On the patient care front, we owe our sustained growth to the entire team. We welcomed three new faculty members this year: Dr Samir Mahapatra who is an oculoplasty and ocular oncology specialist hailing from Odisha, Dr JJ Praveen, a glaucoma specialist from Andhra Pradesh and Dr Jayesh Vazirani, a cornea specialist, with roots in Gujarat, adding to our true national character. We hope that their contributions in patient care, academics and training would take our campus to newer heights in the years to come.

Our attempts to replicate the pyramidal model in the coastal districts of Andhra Pradesh has seen us open 9 new vision centres in Visakhapatnam and Srikakulum districts (around our campus), one of these being the 100<sup>th</sup> vision centre of the LVPEI network, which was opened in Araku, a tribal area in the heart of the Eastern Ghats. This centre represents the epitome of what we stand for, taking ophthalmology to the doorstep of the people in the remotest areas of the country.

We look forward to the coming year with excitement and eagerness as we hope to scale newer heights with our fantastic team of doctors and staff.



Merle Fernandes  
Director,  
G M R Varalakshmi Campus, Visakhapatnam

## 7<sup>th</sup> Anniversary Celebrations

GMR Varalakshmi Campus, Visakhapatnam, celebrated its 7th anniversary on 7 July 2013 with a series of events:

A seminar 'Looking Beyond the Eye - II' was conducted that had about 75 delegates, with good participation from the surrounding districts of Visakhapatnam, Vizianagaram, Srikakulam, East Godavari and West Godavari. The meeting was an opportunity to discuss on a common platform with various superspecialists



the diagnostic and management issues that pertain to ocular diseases that have a systemic component.



A premium, exclusive opticals store was inaugurated by Mr Appalaraju.



The Hostel and Guest House of the Pathak Education Centre were inaugurated by Mrs N. Madhavi.



Mr. Naresh inaugurated the Auditorium, Library, Class room and Wet lab for the Pathak Education Centre.



The program included a wonderful dance performance from the children of the Kalashetram dance peetham, children of the Libenshelf school for mentally challenged, and the children of the Government Residential School for the Blind followed.



As part of the program, appreciation certificates were received by Mr BVS Mallikharjuna Rao (Accounts Department) and Mr KVV Suresh Kumar (Patient Care services).



The Best Employee of the year certificate was received by Mr P Varun Kumar (Patient Care services).

## Nurses' Day Celebrations

Nurses' Day was celebrated on 11<sup>th</sup> May. The celebrations commenced with a prayer, followed by a speech and a skit by the staff on how to keep the environment clean, The program concluded with a cake cutting ceremony.



## Free Screening Program for the Police

On 3 August 2013, a free eye screening program was organized for the Police Department's newly recruited constables and traffic guards, besides their regular employees. The program was organized in association with the T Subbarami Reddy Seva



Peetham and the Police Department, and aimed at identifying eye problems among the employees and their family members, and suggesting appropriate interventions to reduce risk. Over 250 people were screened during the program. Dr T Subbarami Reddy, MP Rajya Sabha, and the Commissioner of Police Mr B Shivadhar Reddy, IPS, were the chief guests.

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## Workshop for Young Adults with Visual Impairment

A workshop on challenges faced in the mainstream for young adults with visual impairment was organized on 8 August 2013 by the vision rehabilitation centre.

(For more details refer Rehabilitation section, Page 53)

## High Commissioner of Thailand Visits

Mr Pisan Manawapat, High Commissioner of Thailand visited the GMR Varalakshmi campus on 31<sup>st</sup> August 2013. The visit was facilitated by Mr Naresh Kumar.



## Workshop on 'ICH GCP'



A workshop 'International Conference on Harmonisation (ICH) - Good Clinical Practice (GCP)' was organized on 22 September 2013. It was aimed at preparing an Ethics Committee for the Campus and was conducted by Dr. Sauren Das, Executive

Director of Excel Life Sciences Pvt Ltd, Noida, India. It had 37 participants comprising consultants, external ethics committee members, fellows, optometrists, optometry interns and project study coordinators.

## World Sight Day

As part of World Sight Day a screening program was organized with the support of Subbiramireddy Seva Peetham on 12<sup>th</sup> October 2013. 186 patients were screened and 36 advised surgery. A community meeting was also organized to create awareness on eye checkup and the effect of diabetes on eye health.



## Advanced Cardiac Life Support Training

ALCS (Advanced Cardiac Life Support) training was organized on 9-10 November 2013 for 33 participants including consultants, fellows, senior theatre technicians, nursing staff, and optometry staff. The training was organized by GVK EMRI.



## Novel Workshop for School Children

A novel workshop to identify childhood blindness among school children was held in Visakhapatnam on 5 December 2013, a public health initiative along with Symbiosis Technologies. About 100 students of Vignan School, Timmapur, participated in the workshop.

## Eye Screening at Oakridge International School

Oakridge International School in Tagarapuvalasa, Visakhapatnam, invited LVPEI to conduct an eye screening program at their school. The community eye care team of the Institute, co-ordinated by Mr Rambabu, conducted free screening on 15<sup>th</sup> and 16<sup>th</sup> November. Of the 403 children screened, 38 children were identified with problems and spectacles were prescribed for 40 students.



## EMR Implemented at 25 Centres

EyeSmart EMR (Electronic Medical Record) service was implemented at the GMR Varalakshmi campus at Visakhapatnam on 18 November 2013. The Centre saw 58 patients on the EMR for the day and will build on the volume in the days to come. The EMR service was also implemented at the Yellamanchili vision centre, Visakhapatnam on 19 November, taking the total centres under the service to 25.



## World Glaucoma Week, March 9-15

The focus this year was on early detection and prevention of glaucoma through family screening and prevention of steroid abuse. The theme for this year was 'BIG: Beat Invisible Glaucoma.' A series of events were organized across the LVPEI network:

### March 9: Glaucoma Awareness Walk

Sri Uppalapati Raja, Titan Business Associate and Sri O Naresh, CEO, Symbiosys Technologies flagged off the Walk from the Ramakrishna Beach. Allergan India and Pfizer supported the event.



### March 14: Patient Education Forum

This was well attended by patients and their families who wanted to learn more about the disease and interact with the experts.



### March 16: CME on Glaucoma

The CME 'Glaucoma: Basic & Master's Course' networked across all tertiary centres, was conceptualized for general ophthalmologists, practicing glaucoma specialists and postgraduates.



### Fun Camp for the Visually Challenged

The third fun camp for the visually challenged was held on 29<sup>th</sup> December, 2013 at Shilpa Ramam park, Visakhapatnam with the help of the KAR Rehabilitation group and GMRV Team members. The camp was organized by Ms. Saranya. 30 visually challenged persons and 20 parents enthusiastically participated in all the games and activities conducted as part of the fun camp.



## Kode Venkatadri Chowdary Campus

With support from Microsoft India Development Center (MSIDC), we initiated a new project 'The Mobility and Sensory Stimulation Park for the Visually Impaired', launched on 27 September 2013. The unique park imparts training on various navigation techniques in a simulated mobility track and provides multi-sensory experiences to children with vision loss and additional disabilities.

For this year's Children's Eye Care Week, we organized a painting competition followed by an exhibition of paintings by students collected over 3 years. The exhibition was inaugurated by the young renowned photographer, Mr Vicky Roy.

Thanks to the team work by our doctors and support staff, our Patient Care figures showed a reasonable growth both in outpatient and surgical numbers. We welcomed four new consultants this year: Dr Vishal, a Retina consultant from Mumbai; Cornea consultant Dr Aravind Roy and his wife Dr Sameera who hail from Odisha; and Dr Arjun, a Cornea consultant from Hyderabad.

We succeeded in opening four new Vision Centres in and around Krishna district, with support from the Latter Day Saint Charities, US, and local philanthropists.

With all the resources and the committed team we have, we are pretty much sure that we would achieve many more milestones in the years to come.



Dr Avinash Pathengay  
*Acting Director*

## Children's Eye Care Week

The David Brown Children's Eye Care Centre at Vijayawada marked 14 November Children's Day by organizing a parents' support group meeting with 42 families in attendance. A teacher's training course was organized on 15

November, in recognition of the vital role that teachers play in timely identification of eye problems in children. A painting competition was held on 17 November on the theme 'Television: The Good and the Bad'. The prize distribution program was held on 20 November that also had a short drama enacted by the school children.



## Vicky Roy Visits LVPEI

Vicky Roy, the celebrated photographer, made a presentation on 12<sup>th</sup> December 2013 of his photographs shot across the LVPEI network.

He also inaugurated a painting exhibition at the City Centre in Vijayawada 'Eye Health through Child's Eye'. The event involved a selection of 80 paintings by children



who were present on the occasion and who were inspired by Vicky's talk of his amazing journey from a rag-picker to a world-class photographer.

## Team from Johns Hopkins Carey Business School

A team comprising Maha Almallki, Livei Liu, Philip Quan, Bo Yang (students), Daniel Sheats (program manager) and Thomas Crain (faculty) visited LVPEI from the Johns Hopkins Carey Business School, Baltimore, USA, as part of their Innovation for Humanity Project 5-18 January 2014.

The scope of the project was to focus on the human resource practice in the vision centres. The highlight of this project was the three day field visit to Vijayawada which provided the team with the full picture of the public health situation in rural India.



## 3<sup>rd</sup> Anniversary Celebrations

The 3<sup>rd</sup> anniversary of the Kode Venkatadri Chowdary campus, Vijayawada on 16 February had a prize distribution ceremony for various games, cultural programs, a video showcasing milestones and tribute to the donors. ‘Best Employee’ of the year was awarded to Mr Narendra.

## World Glaucoma Week, March 9-15

The focus this year was on early detection and prevention of glaucoma through family screening and prevention of steroid abuse. The theme for this year was ‘BIG: Beat Invisible Glaucoma’. A series of events were organized across the LVPEI network including at the Kode Venkatadri Chowdary Campus in Vijayawada.

### March 9: Glaucoma Awareness Walk

The Walk from the City Centre to the Benz Circle saw about 50 participants.



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### March 14: Patient Education Forum

This was well attended by patients and their families who wanted to learn more about the disease and interact with the experts.

## Mobility and Sensory Stimulation Park

A ‘Mobility and Sensory Stimulation Park’ for the visually challenged was launched on 27 September 2013 at the Kode Venkatadri Chowdary Campus, Vijayawada. The project is supported by Microsoft India Development Center (MSIDC). The mobility and sensory stimulation park is meant to impart training on various navigation techniques in a simulated mobility track and to provide multi-sensory experiences to the children with vision loss and additional disabilities in a natural setting.



# Patient Care Services

LVPEI patient care team continues serving patients and families by justifying its mission statement “excellence with equity”. Having completed 26 years of service, we share complete and unbiased information with patients and families and support them in care and decision making at the level they choose. We also invite them to work together with health care staff to develop and evaluate policies and programs.

To maintain the continuous quality of care to patients we conduct regular training and interactive programs for administrators, counselors and optometrists. Every morning at 7 am there is a dedicated patient centered group activity called ‘Team Huddle’ that reinforces the basics of patient care etiquette to all patient counselors. Periodic blood donation camps by hospital staff are being conducted in coordination with the NTR Blood Bank to help all the needy non-paying patients. To further enhance patient care, we added two more new services: (1) Pediatric care services for general medical problems, with Pragna Hospital and (2) Cardiology consultation and 2D echo services for evaluation of heart conditions and clearance before surgery, with Mahavira hospital.

The institute obtained new cutting edge diagnostic equipment in our Childrens' Eye Care Centre, comprising the mobile photographic camera 'RETCAM Shuttle' and 'Bioptigen Paediatric OCT'. These enhance our capability to document, image and evaluate in great detail various parts of the eye in neonates and children including the cornea, anterior chamber, angle, uvea, retina and optic nerve. Retinal diseases like ROP and FEVR, tumours including Retinoblastoma and angiomas, congenital and paediatric glaucoma, corneal and other anterior segment diseases can also be well attended to with the new equipment.

They can also be used during corneal and macular surgery to improve tissue visualization. In surgical care we added the Endocyclophotocoagulation (ECP) machine which has the unique ability of simultaneous visualization and treatment of the ciliary body and is one of the first of its kind in India today. The Endoscopic Vitrectomy capability now helps to operate on vitreoretinal diseases even in opaque anterior segment conditions.

As part of the Ophthalmic Plastic Surgery service, we have introduced the first Piezoelectric Orbital Surgery Unit in India. Working on the principle of bone-emulsification, this equipment cuts the bone around the eye without harming the soft-tissues (blood vessels and nerves). This is a revolution in providing safe surgery to patients, making orbital surgery, tumor resections and orbital decompression very safe. We also added the fourth unit of Ellman Radiofrequency Cautery unit, which provides bloodless surgery for eyelid, plastic and cosmetic surgery.

In the year that has gone by, we have taken care of over 479,046 outpatients and provided surgical care to 69,209 patients in our tertiary and Centre of Excellence (CoE) facilities in the urban areas of Andhra Pradesh and Odisha. With the objective of providing services at their doorstep, the Village Vision Complex has reached out to 272,653 outpatients and provided surgical care to 18,900 patients. 133,736 people were seen at the vision centres with 30,830 referred for further care to secondary level eye care services within the LVPEI Eye Health Pyramid that now extends to Karnataka. Particularly in the rural Vision screening catchment areas, in tune with our mission of equity, the care provided to outpatients was free of charge while about 70% of the surgeries were free of cost, regardless of complexity. Similarly, in the urban areas, 27.5% of outpatient visits and 42.9% of the surgeries were carried out free of charge.

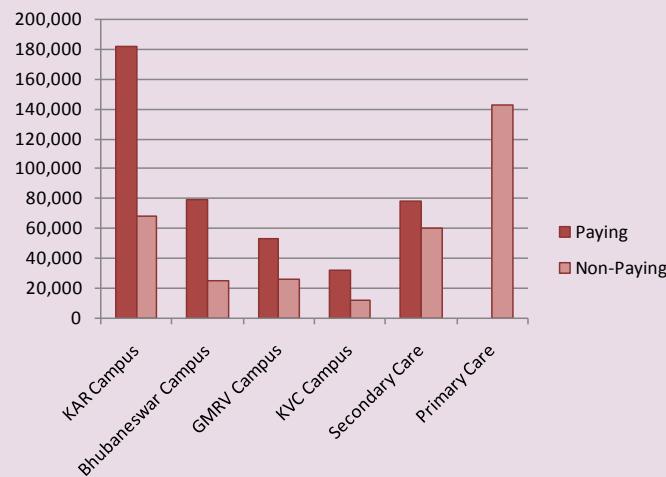


The level of subspecialty care provided at our CoE and tertiary centres is the other highlight of our patient care. We continue to offer cutting edge technology and skills in various specialty areas for severe dry eye, advanced adult and pediatric corneal diseases, Paediatric and complicated cataracts, pediatric glaucoma, complicated strabismus, Ocular cosmetics, complicated dacryology conditions, oncology, neonatal retinal diseases, disorders of the macula etc. among other eye disorders.

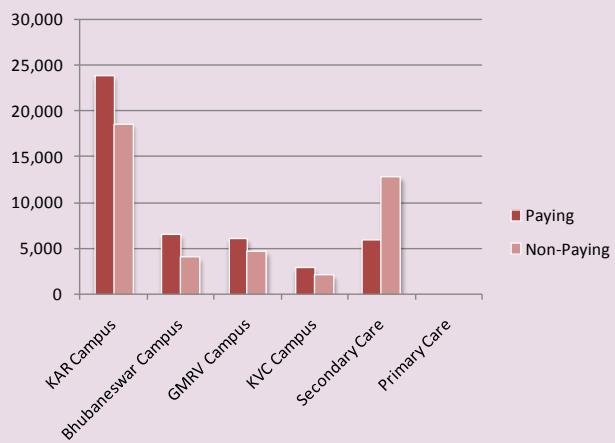
## Tertiary & Advanced Tertiary care

Campus	Outpatient visits			Surgical procedures		
	Paying	Non-paying	Total	Paying	Non-paying	Total
Kallam Anji Reddy Campus, Hyderabad	181,914	68,595	250,509	23,882	18,646	42,528
Bhubaneswar Campus, Bhubaneswar	79,846	25,388	105,234	6,585	4,090	10,675
GMR Varalakshmi Campus, Visakhapatnam	53,437	25,821	79,258	6,137	4,758	10,895
Kode Venkatadri Chowdary Campus, Vijayawada	31,983	12,062	44,045	2,938	2,173	5,111
<b>Total</b>	<b>347,180</b>	<b>131,866</b>	<b>479,046</b>	<b>39,542</b>	<b>29,667</b>	<b>69,209</b>

### Outpatient Visits



### Surgical Procedures



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### Analysis of Surgical Procedures

Campus/Speciality	Cataract	Cornea & Anterior Segment	Corneal Transplants	Glaucoma	Retina & Vitreous	Squint	Ophthal Plastic Surgery	LASIK	Others	Total
Kallam Anji Reddy Campus, Hyderabad	12,579	5019	1264	1609	1902	4726	1822	12,151	1456	42,528
Bhubaneswar Campus, Bhubaneswar	4359	644	231	372	2953	104	1484	116	412	10,675
GMR Varalakshmi Campus, Visakhapatnam	4650	881	198	295	2599	245	667	487	477	10,895
Kode Venkatadri Chowdary Campus, Vijayawada	2080	222	134	71	1709	153	253	0	489	5111
<b>Total</b>	<b>23,668</b>	<b>6766</b>	<b>1827</b>	<b>2347</b>	<b>9163</b>	<b>5228</b>	<b>4226</b>	<b>12,754</b>	<b>2834</b>	<b>69,209</b>

## Children's Eye Care

Campus	Outpatient visits			Surgical procedures		
	Paying	Non-paying	Total	Paying	Non-paying	Total
Kallam Anji Reddy Campus, Hyderabad	30315	13246	43561	3476	2743	6219
Bhubaneswar Campus, Bhubaneswar	10235	3406	13641	863	779	1642
GMR Varalakshmi Campus, Visakhapatnam	7117	1736	8853	642	557	1199
Kode Venkatadri Chowdary Campus, Vijayawada	1223	4453	5676	364	260	624
<b>Total</b>	<b>48,890</b>	<b>22,841</b>	<b>71,731</b>	<b>5,345</b>	<b>4,339</b>	<b>9,684</b>

## ROP-Retinopathy Of Prematurity (ROP) Program

ROP Program	Hyderabad	Bhubaneswar	Visakhapatnam
Babies screened	1340	668	
ROP identified (Babies)	707	154	
Laser sessions (Eyes)	130	43	
Pediatric retina surgeries (<14 years)	780	157	108
ROP Surgeries ( IV Avastin inj. for ROP, Retina surgeries)	170	16	25

## International Patients at LVPEI (paying)

FR-Fresh | FU-Follow Up

S.NO	Country Name	FR	FU	Tot	S.NO	Country Name	FR	FU	Tot
1	AFGHANISTAN	8	21	29	31	NEPAL	16	27	43
2	AFRICA	8	23	31	32	NIGER	0	3	3
3	ARABIAN GULF	3	10	13	33	NIGERIA	12	33	45
4	AUSTRALIA	2	3	5	34	OMAN	251	422	673
5	BAHRAIN	7	18	25	35	PAKISTAN	5	9	14
6	BANGLADESH	92	174	266	36	PORTUGAL	1	0	1
7	CANADA	2	1	3	37	QATAR	0	0	0
8	DUBAI	13	23	36	38	RWANDA	0	5	5
9	FIJI ISLANDS	0	2	2	39	SAUDI ARABIA	6	5	11
10	FRANCE	0	1	1	40	SINGAPORE	3	1	4
11	GHANA	2	3	5	41	SOMALIA	1	0	1
12	GREECE	1	0	1	42	SOUTH AFRICA	5	3	8
13	HONGKONG	1	0	1	43	SRILANKA	0	25	25
14	HUNGERY	0	1	1	44	SUDAN	11	12	23
15	INDONASIA	2	5	7	45	TADZHIKSTAN	1	3	4
16	IRAN	2	5	7	46	TANZANIA	4	8	12
17	IRAQ	28	31	59	47	THAILAND	1	1	2
18	ISRAEL	1	2	3	48	TUNISIA	1	1	2
19	ITALY	1	0	1	49	U.A.E	20	49	69
20	JAMAICA	1	0	1	50	U.S.A.	31	27	58
21	JORDAN	1	0	1	51	UNITED KINGDOM	5	1	6
22	KENYA	12	14	26	52	UZBEKISTAN	4	11	15
23	LIBERIA	1	7	8	53	YEMEN	46	54	100
24	MALAWI	3	8	11	54	YEMEN ARAB REPUBLIC	1	10	11
25	MALAYSIA	0	3	3	55	Zaire	0	0	0
26	MALDIVES	6	7	13	56	ZAMBIA	1	7	8
27	MANGOLIA	1	0	1		T.Paying	626	1117	1743
28	MOZAMBIQUE	1	5	6		T.Non-paying	3	8	11
29	MUSCAT	1	9	10		G.Total	629	1125	1754
30	NAMIBIA	0	24	24					

## International Patients at LVPEI (Non-paying)

1	BANGLADESH	1	2	3					
2	NEPAL	1	1	2					
	QATAR	-	5	5					
3	Zaire	1	0	1					
	Total	3	8	11					

# Patient Speak

Dear Mr Sam,

I am writing to thank you and the management a great deal for our experience at the Institute. We appreciate the selfless commitment and dedication of the entire staff of the hospital. My wife and I appreciate the God-gifted hands of the team of doctors to resolve the riddle of my wife's glaucoma. We sincerely appreciate your humility and readiness to be of help to us at every juncture of our need. Our prayer is that you and your family will not miss out God's incredible blessings.

James Oladele & Deborah  
Nigeria  
19 October 2013

Dear Dr Pravin and Dr Sirisha,

I am writing to express my sincerest gratitude and appreciation for the members of your staff. Not only do I consider you outstanding doctors, you are wonderful persons too - informative, patient, warm and an endless source of optimism. Your quiet confidence and compassion has changed my life and words alone will never capture my sincerest gratitude. Haresh and I are truly grateful to have you as my doctors. Thank You!

Roma Wadhwani  
8 June 2013

Dear Dr Sangwan,

Good Morning. I hope my email finds you in the best of times. I am your Boston-Kpro patient since 2010. I am doing good. I have completed two semesters of my MBA course work (GPA 3.9/4.0) and will be graduating in May 2014. Health is stable but for intermittent pain in the right eye. However, I am regularly taking eye drops as prescribed. I have replaced the contact lens in the eye myself 3 times over the past 9 months. I am greatly indebted to you, to the fellow doctors and to the team of wonderful people at LVPEI for giving me a new lease of life.

Keshava R Dugnoor  
Iowa State University, USA  
26 April 2013

I am aged 84 years. Both my eyes were operated for cataract 22 years ago. But progressively, I found myself unable to read freely as my left eye would water. I thought I would go blind with advancing age. Fortunately, Dr Merle Fernandes gave me hope. I am now able to read the newspaper and books too. Thanks to God's grace, and Dr Merle Fernandes' and Dr Divya's affectionate care, I am now able to write and read like anyone else. I sincerely thank all the doctors and sisters who attended on me.

Magatha Panda  
Gunupur, Rayagada district, Odisha  
11 September 2013

(Corneal transplant surgery performed and bandage contact lens implanted).

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This is to place on record the excellent services rendered by Anil K Mandal, Glaucoma Specialist at your Hospital. My wife, Smt Konkepudi Suvarchala Devi, 70 years old, is being treated for glaucoma and was operated on 26-3-2013 in her right eye. Dr Anil K Mandal, who treated and operated her right eye, is most humane, courteous and smiling. He infuses courage in the patient and makes them comfortable, removing their anxiety, fear and tension about their eyes. He explains to them about the treatment and operation that is necessary for them. He does things with a very reassuring manner, with all kindness. We wish to thank him profusely and express our grateful thanks to him through your office.

K Gopalakrishna  
Retired Deputy General Manager  
Telecom Dept, Govt of India  
6 April 2013

Dear Dr G Chandra Sekhar,

I would like to offer my sincere gratitude for consenting to see Olivia and make an assessment of her eyes. I wish to state that we were truly impressed by the professionalism, standard of medical care provided and of course the attitude and efficiency of all the doctors we met during our visit to your hospital. Hats off to your wise leadership and for the service your hospital provides to the community. The services provided and the time management far surpasses the clinic/hospital here in Auckland.

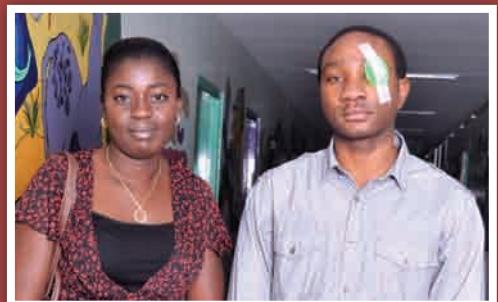
Vitus J Fernandes  
Auckland, New Zealand  
17 April 2013

## Mr Atoyebi from Nigeria



Atoyebi Oluwabiyi Francis, 31, is from Basin Ilorin, Kwara, Nigeria. He is a graduate in geology, and a postgraduate in environmental management. Mr Atoyebi has been suffering from diabetes and hypertension. The vision in his left eye was very poor owing to diabetic retinopathy. He had consulted doctors in his home country; the doctors at the University of Ilorin Teaching Hospital (UIITH) had advised him to go to LVPEI in India. Once here, his left eye was operated upon. He had bleeding inside the eye along with retinal detachment.

The silicone oil usually used as a vitreous fluid substitute to treat difficult cases of retinal detachment was removed in three weeks in this case. After the operation, Mr Atoyebi, and his wife Mrs Omolola Justina Atoyebi, are jubilant that he was able to see clearly. He describes his experience at LVPEI as lovely and marvelous, and is especially grateful to Dr Raja Narayanan. He says he is short of words, and does not know how to thank LVPEI enough.



## Uma Mahesh: Neuro-ophthalmology intervention



GK Uma Mahesh, 21, the only son of Mr K Swamy, a *pan* shop owner from Vadada village, Vizianagaram district, met with a tragic accident in June 2013 causing carotid-cavernous fistula (an abnormal communication between the blood vessels of the brain and the eye). On examination at the GMR Varalakshmi Campus at Visakhapatnam by Neuro-ophthalmologist Dr Virender Sachdeva, he was found to have only perception of light in both eyes and a bilateral diffuse ophthalmoplegia (limitation of movements), besides difficulty in closing the right eye leading to dryness of the cornea in that eye. The diagnosis was bilateral traumatic optic neuropathy and facial nerve paralysis.

He was treated with high dose steroid, tarsorrhaphy (a procedure to close the eyelids), and eye drops for lubrication. The timely intervention led to gradual improvement - near normal visual acuity in both eyes and complete recovery of eye movements.

Mr Swamy is a much relieved man today. Uma Mahesh continues to be monitored by the neuro-ophthalmology and rehabilitation departments at LVPEI, but is able to manage his life independently, read and work again.

## 93 year old operated upon



A G Govinda Raj, 93, a Second World War veteran, was losing his vision due to cataract. Though he enjoyed good health and had never visited a doctor all his life, he felt compelled to seek medical help now. An avid walker who walked 5 km every day, he was unable to do so now because of his vision problem. He came accompanied by his son who had earlier undergone cataract surgery in both his eyes at LVPEI. Dr Prashant Garg decided to operate upon him despite the difficulty of the patient's advanced age. Post the operation, Mr Govinda Raj is extremely thankful to

Dr Garg for restoring his vision and his son Ashok is so enthused with his father's new found zeal for life that he wants to get him enrolled in the walking competition for international games in the 90 plus category. Mr Govinda Raj says that the ambience and quality of care made him feel that he was seeking medical care at some hospital in the US. He is full of praise for the hospital and its staff, and rates LVPEI as one of the best hospitals in the world.



## Geetha can now see the beauty of Godavari



As soon as one refers to the Godavari delta, one is reminded of luscious green fields flanking the vibrant river Godavari, the lifeline of the region. But these images were all a distant dream for Geetha from Tallapudi village. Geetha had been suffering from cataract which had prevented her from having normal vision. As a double whammy, living in a remote village meant she could ill afford the treatment involved.

But by a stroke of luck, Geetha's brother studying at Vijayawada came to know of the LVPEI tertiary centre there. Eventually, Geetha came over and got herself tested. Dr Arpitha, who

examined her at the City Centre, suggested surgical intervention.

Though hesitant about surgery, the counseling provided by the doctor's secretary Ms Sirisha overcame Geetha's misgivings and she got herself operated. Sure enough, within a few days post surgery, Geetha's eyesight was completely restored and she cannot thank Dr Arpitha and her secretary Sirisha enough for helping her see again.

## Thanks to glaucoma surgery, Pradeep can study again

This is an inspiring story of a 14 year old boy who had lost hope of fulfilling his academic pursuits due to congenital glaucoma. Pradeep had somehow managed to complete his 9<sup>th</sup> standard from a regular English medium school with the support of his doting parents, but had to discontinue thereafter.

When he was first brought to LVPEI Bhubaneswar, he was barely able to perceive light rays. After an eye examination by Dr Aparna Rao, his family was informed about the poor outcome of surgery in view of a previously failed trabeculectomy performed



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elsewhere. But despite the poor visual prognosis, his father agreed for the surgery.

Pradeep underwent Trabeculectomy + MMC surgery in both the eyes following which he surprisingly regained useful vision (binocularly 20/400). After successful surgery, he was further rehabilitated at the vision rehabilitation centre where he was advised to use assistive low vision devices. He was introduced to IT training and the audio mode of education to help him with his education.

Pradeep now attends school regularly, and is very happy to be able to read his text books on his own. His father expresses his gratitude and immense happiness for the hospitality, co-operation and support of the ever helpful hospital staff. The Vision Rehabilitation Center occupies a special place in Pradeep's life since he has come to know of the many ways of restoration of sight despite severe damage to the optic nerve due to glaucoma.

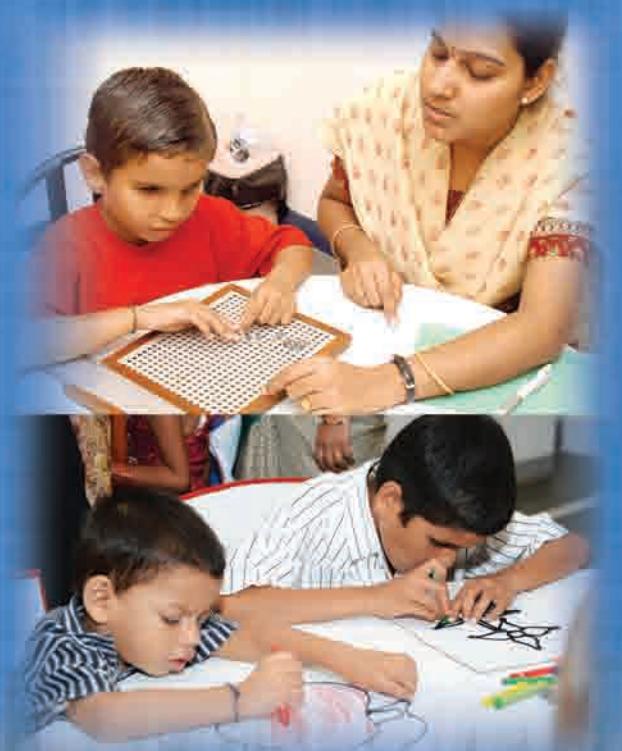
# Vision Rehabilitation

The loss of vision has serious implications on the quality of a person's life. The affected person has the challenge of overcoming physical (reduced perception), social (interpersonal relationships), functional (self care, mobility, and limitations in daily activities), and psychological (emotional wellbeing and happiness) limitations resulting from his/her condition.

The aim of the Vision Rehabilitation Centres at L V Prasad Eye Institute is to empower people with incurable vision loss and help improve their quality of life. Through comprehensive low vision rehabilitation intervention, efforts are made to enable them to live as independent a life as possible.

Since the inception of the Dr PRK Prasad Centre for Rehabilitation of the Blind and Visually Impaired on 4 June 1992 and the Meera and L B Deshpande Centre for Sight Enhancement on 18 February 1997, the centres have helped change the lifestyle of numerous visually challenged persons, cutting across various age groups and across all segments of the population.

The key components of intervention include psychological support, low vision care – assessment, training and prescription of devices, special skills training such as independent living skills and mobility, assistive software training for using computers, early intervention for children below 5 years of age with developmental problems, guidance and placement services for economic independence, self-help group meetings and peer support programs, advocacy and support services.



## Film on Children with Special Needs

A preview to the film documentary 'Handle with Care' directed by Pingle Pranav Reddy was organized by Aalim Javeri, a volunteer to LVPEI's rehabilitation services. The film which was screened on 10<sup>th</sup> April 2013 portrays the socio-cultural challenges that parents face towards the rehabilitation process of their children with special needs.



## Low Vision Awareness Program (LAP)



The 29<sup>th</sup> Low Vision Awareness Program (LAP) on the 12<sup>th</sup> April 2013 was organized under the aegis of Meera & L B Deshpande Centre for Sight Enhancement and Dr P R K Prasad Centre for Rehabilitation of Blind and Visually Impaired. The program had didactic lectures and hands-on sessions on topics ranging from assistive devices to rehabilitation services.

The 30<sup>th</sup> Low Vision Awareness Program (LAP) on 20<sup>th</sup> September 2013 had 90 participants from different regions of the country comprising optometrists, optometry educators, optometry students, ophthalmologists, hospital administrators and rehabilitation science students. The highlight of the program was the opening talk by a 30 year-old engineer with Albinism and low vision who has been a client at the Meera and L B Deshpande Centre for Sight Enhancement at LVPEI since the past 18 years. In his inspiring talk, he provided a first hand account of "What it means to live with Low Vision" which was an eye opener for several participants.



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## Integrated Summer Program

An Integrated Summer Program was organized by the Dr PRK Prasad Centre for Rehabilitation of Blind and Visually Impaired on Tuesday, 4<sup>th</sup> June 2013. Supported by Mrs. Varsha Kulkarni the program was aimed at enhancing the social skills of the visually challenged children enabling their healthier inclusion into mainstream society. As part of the program, various competitions were held in elocution, essay writing in Braille and using assistive technology, mimicry, coloring, singing, fancy dress and chess.



## Successful Placement of Visually Challenged Clients

LVPEI's rehabilitation centre facilitated assistive 'IT' services for some of its visually challenged clients enabling them to successfully find suitable employment opportunities.

As a feather in the cap, some of the clients, such as Anand Rao, Misha, Reshma, Sai Sudha and Chetana have also been placed as probationary officers in the banking sector.



## Workshops



Dr. PRK Prasad Centre for Rehabilitation of Blind and Visually Impaired in collaboration with Microsoft organized a [workshop on 'Personality development and communication skills' for the visually impaired children and young adults](#) on June 21, 2013 at its premises. There were several ice breakers conducted to allow participants experience hands-on opportunity to practice communication skills, behavioral skills, interpersonal skills, memory skills, interactive skills, team building skills and problem solving skills in a friendly and enjoyable atmosphere. A guest lecture by Mr. Jonapalli Prabaker, soft skills trainer on 'Positive thinking' added value to the program. A total of 74 participants in the age group of 12 to 30 years took part in the program. As a gesture of encouragement, Microsoft gifted each participant with a gift. A group of 44 Microsoft associates and LVPEI rehabilitation department staff jointly conducted this program.

A [workshop for multi-disciplinary professionals on Visual Assessment and intervention for children with multiple disabilities](#) was held on 23 January 2014 at the Kallam Anji Reddy campus of the Institute. There were a total of 55 participants including pediatric ophthalmologists, optometrists and rehabilitation consultants from the LVPEI network and rehabilitation consultants from National Institute for the Mentally Handicapped, Sweekar and Upakar rehabilitaiton centre and Thakur Hari Prasad Institute for Research and Rehabilitation. The speakers including Dr. Lea Hyvarinen, a rehabilitation expert from Finland touched upon topics ranging from 'Importance of assessing visual functions in children' to 'Identification and assessment of special needs children with speech and hearing problems'. Data on visual problems in persons with mental retardation was also presented at the workshop.



A [workshop 'Handling children with multiple disabilities: A sensory motor approach'](#) was conducted by Perkins Voice and Vision India for the rehabilitation team members across the LVPEI network, 11-13 February, 2014 at the Hyderabad campus. Dr Loganathan, field expert in Neuro-Developmental Therapy was the faculty for the workshop that included theoretical lectures and hands-on exposure covering aspects of motor development such as sensory integration and its dysfunctions, oro-motor exercises, handling and facilitating children with Visual Impaired Multi-disability (VIMD). This workshop enabled the participants to understand the functions of introceptive senses such as vestibular, tactile and proprioceptive senses and its effective integration for development.

A [workshop to develop an exclusive website for persons with visual impairment and additional disabilities](#) was organized on 3<sup>rd</sup> February 2014 by the Rehabilitation team. Dr. Virender Sangwan who led the discussions hopes to benefit disabled persons, their family members, acquaintances and networked professionals through this endeavour. The proposed website will act as a single platform for the stakeholders to understand and exchange information about child rearing, early intervention, education, employment, low vision care, social benefits, eye health, latest research in the field, accessibility etc. The content and website development will be done by a team of experts from LVPEI, beneficiaries of rehabilitation services at LVPEI, parents of disabled children and other field experts.



A workshop on challenges faced in the mainstream for young adults with visual impairment was organized on 8 August 2013 by the vision rehabilitation centre at GMR Varalakshmi Campus. Mr Ramana, a visually challenged person working as a junior officer in NTPC, was the chief guest of the program. The program was led by Ms. Saranya, rehabilitation consultant and had about 20 visually challenged participants.



## Training on Computer Software

For the first time the rehabilitation team from LVEPI Bhubaneswar, has introduced and initiated computer training in JAWS (screen reading software) to the college going visually challenged students in Odisha.

The program commenced on 7<sup>th</sup> May 2013 with 3 members undergoing formal training in using this software for various Microsoft applications at the centre. The students were issued certificates from LVPEI which were handed over by the Dr. Sujata Das, Director of Bhubaneswar campus,

The program has helped them acquire the skills required to access and read email and also browse the net independently. Computers have become part of their day-to-day activities helping them develop self confidence and explore enhanced opportunities in terms of employment and education.

## Initiation of Speech and Physiotherapy

On 19<sup>th</sup> July 2013 LVPEI Bhubaneswar started a Speech and Physiotherapy session for children with motor and speech impairment problems. About 11 patients benefited from this service.

Conducted every 2 to 3 months, the sessions are attended by parents and their children to help them develop physical, motor functioning skills in their children and also enhance their communication and language skills.



## Fun Camps



The 15<sup>th</sup> Integrated Fun Camp for children with special needs was organized on December 7<sup>th</sup> 2013, at Dream Valley Resorts at Moinabad on the outskirts of Hyderabad. This annual event by LVPEI's Rehabilitation Centre aims to create an opportunity for children with special needs to learn various social skills and values in a playful environment. About 300 participants comprising children with special needs, their siblings and family members took part in the event.



A variety of competitions were conducted and prizes distributed, much to the delight of the participants. Of particular attraction were the water sports facility at the resort.



The third fun camp for the visually challenged was held on 29<sup>th</sup> December 2013 at Shilpa Ramam park, Visakhapatnam. The camp was organized by Ms. Saranya. 30 visually challenged persons and 20 parents enthusiastically participated in all the games and activities conducted as part of the fun camp.

## Microsoft IDC Helps LVPEI's Cause

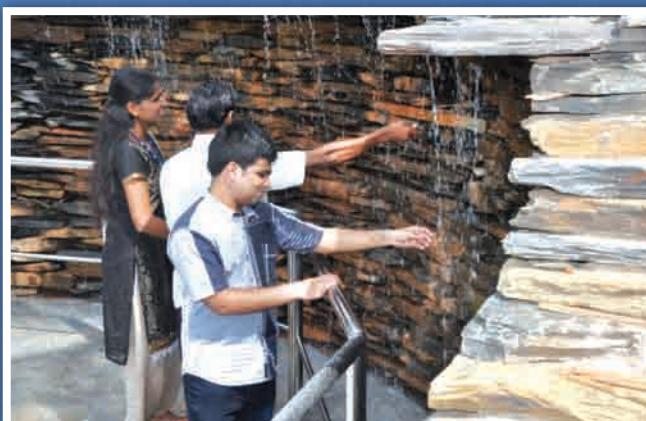


Seventy four visually impaired clients of LVPEI's rehabilitation department participated in the 'Day of caring' activities organized by Microsoft India Development Centre at their premises in Gachibowli on October 25, 2013. There were special performances, competitions, sports and games organized by the employees of Microsoft as a part of their giving campaign 2013. This event is part of Microsoft IDC's initiative to create awareness among their employees on disability issues and to raise funds for LVPEI's future projects.

## Mobility and Sensory Stimulation Park

A new "Mobility and sensory stimulation park" has been launched on Friday the 27<sup>th</sup> of September 2013 at the L V Prasad Eye Institute Kode Venkatadri Chowdary Campus in Vijayawada. Supported by Microsoft India Development Center (MSIDC), the park is the rarest in the world, developed to give enough exposure to visually challenged children to stimulate sensory experiences through their senses and residual vision. Through this the children are expected to improve their body posture, manual dexterity, mental abilities, and communication and socialization skills in a play way method. As part of the exercise, universal 'Orientation and Mobility' techniques are taught including long cane techniques, sighted guide techniques, upper and lower body protections for gaining maximum freedom of movement indoors and outdoors to young adults and elderly persons with visual impairment. The project also aims to sensitize the public to understand the needs of the visually impaired by encouraging them to take a walk on the park with different vision simulators that would envisage different categories of vision loss. The park encompasses 12 zones, each designed to give a unique learning experience. The sign posts in Braille, large print, and audio description, difference in the floor textures on pathways help the visually impaired move around independently and safely with utmost pleasure.

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## Helpline for Visually Challenged

A new 'HelpLine for the Visually Challenged' was launched on 27 September 2013 at the Kallam Anji Reddy campus in Hyderabad. Supported by Microsoft India Development Center (MSIDC), the HelpLine will provide information and confidence to anyone affected by visual impairment through web and telephone-based counseling and guidance. More information at [www.lvpei.org/helplinenew](http://www.lvpei.org/helplinenew).



## Rehabilitation of the Blind & Visually Impaired (April 2013 – March 2014)

Rehabilitation services	Hyderabad	Bhubaneswar	Visakhapatnam	Vijayawada	Total
New client visits	2737	979	693	488	4897
Follow-up clients	7223	446	848	615	9132
<b>Service delivery</b>					
Special skills training	1421	1111	1194	804	4530
Instruction in use of assistive devices (computers) and low vision devices	2359	252	503	70	3184
Early intervention services	898	177	75	139	1289
Environmental modification	1562	692	370	223	2847
Educational guidance	1206	191	166	309	1872
Vocational guidance	159	132	95	117	503
Supportive guidance	3130	182	115	150	3577
Referral to other services	179	73	32	30	314
Audio books, Braille & large print books	73	0	48	11	132
Audio pages & large print pages	29470	Not applicable (Service not available)	Not applicable (Service not available)	2500	31970
Helpline services	228	Not applicable (Service not available)	Not applicable (Service not available)	Not applicable (Service not available)	228
Mobility and sensory integration park beneficiaries	Not applicable (Service not available)	Not applicable (Service not available)	Not applicable (Service not available)	2272	2272

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## Centres for Sight Enhancement (April 2013 - March 2014)

Campus/Sight Enhancement	New client visits	Follow-up clients	Total	Low vision devices prescribed
Meera & L B Deshpande Centre, Hyderabad	2932	2426	5358	1421
NTPC Centre, Bhubaneswar	775	241	1016	696
Bob Ohlson Centre, Visakhapatnam	441	252	693	455
Centre for Sight Enhancement and Visual Rehabilitation, Vijayawada	445	230	675	256
<b>Total</b>	<b>4593</b>	<b>3149</b>	<b>7742</b>	<b>2828</b>

## Kumar overcomes vision problems with help from CSE



Gelli Kumar, 20, from a poor family in Nandigama village, Medak district, had lost vision in both his eyes when he was in his 5 standard, probably owing to the history of consanguinity in his family. A relative recommended LVPEI, and the visit transformed his darkened life forever. He had lost vision in his right eye completely due to atrophic bulbi, but his left eye was operated upon for retinal detachment and thankfully enough, a little vision was restored in it after the first operation in 2003. Following the second operation in 2006, he could see the blackboard and was also able to read books. Later, to enhance his residual vision, low vision devices (LVDs) were provided free of cost by the Centre for Sight Enhancement (CSE) at LVPEI. Thanks to all these efforts and his own determination, Kumar passed his 10 standard examinations with 72 % marks and his intermediate with 90% marks. Currently in his second year B.A, Kumar is grateful to Dr Vanita Pathak Ray and Ms Rebecca Sumalini. He wants to pursue his Masters in either Social Work or Law.

## Vision Rehabilitation restores livelihood

Banabasi, 58, of Ganjam district, Odisha, had lost hope due to glaucoma. He came to LVPEI Bhubaneswar when he was completely blind in one eye and had 20/50 vision in the other eye with severe visual field loss. Banabasi came from a very poor socio-economic background and ran a small *Kirana* (grocery) shop to eke out his living. His life was a saga of poor visual skills and constant discomfort.

He had boarded a train from his native place Berhampur, travelling without money to Bhubaneswar. However, thanks to the free treatment he received at LVPEI, he started to see new light in his life. His eye problems have been taken care of by the glaucoma consultant and he was further rehabilitated in the vision rehabilitation center. He was advised to use a low vision aid and introduced to other services like orientation and mobility training, technique of currency identification and was also provided government assistance through a certificate for the visually challenged.



Now he uses the low vision aid given to him and is able to see the price tags of different materials at his shop. He is very happy to be able to read the Bhagvad Gita on his own. He expresses his immense gratitude for the support provided by the staff at the Institute. The Vision Rehabilitation Centre at Bhubaneswar occupies a special place in his life.

## Sandeep uses assistive device to secure bank job



Mattaparthi Balasandeep was referred to LVPEI by doctors at the Kamaladevi Eye hospital in Amalapuram, where he was further recommended to the institute's in-house CSE (Centre for Sight Enhancement) by Dr Subhadra Jalali and Dr Avinash Pathengay. Since that time in 1998, he has been under the care of Seelam Bharani at CSE. With help from the centre, he gradually completed his B.Tech from Amalapuram. Now, thanks to the one month training provided using an 'electronic portable video magnifying device' at CSE, Balasandeep has been successful in getting a job with the Syndicate Bank.

Securing the new job with the bank was by no means a small achievement for Balasandeep given that he had been

suffering from problems of visual impairment that makes everyday tasks difficult to perform even with corrective lenses, medicine or surgery. Mr Rambabu, Sandeep's proud and happy father says they were provided with a new device which was of great help, particularly in reading newspapers and magazines while preparing for the bank examination. Balasandeep expresses his gratitude for the wonderful help that Seelam Bharani has offered by advising the right device at the right time.

## Venkateswarlu retains his job thanks to help from CSE



J Venkateswarlu was a topper and a recipient of the National Merit Scholarship. A triple postgraduate and an MBA graduate, he was battling eye problems from age 10. He had always worn glasses and had undergone a keratectomy when in college to help stabilize his vision. Later in 1996, he underwent LASIK surgery in both his eyes, and his vision returned to normal. He had a cataract surgery in 2004 but in 2010 he was diagnosed with glaucoma. Deteriorating vision drove Venkateswarlu to visit several eye hospitals but to no avail. No one wanted to operate on him, because of his complex case history. That is when he came to LVPEI.

In June 2011, Dr G Chandra Sekhar, Head of Glaucoma Services, tested his eyes and sent him to LVPEI's in-house Centre for Sight Enhancement (CSE). At CSE, Mr Deepak Kumar Bagga and his team counselled him about a range of low vision assistive devices such as magnifiers and computer software MAGIC, but Venkateswarlu was upset since he was not prepared to live with low vision! He had expected to have his vision restored to normalcy after going to LVPEI.

As he was a finance manager, he worked with worksheets, numbers, Tally software, etc. As his vision deteriorated, he had to face the prospect of quitting. As a last resort, he returned to CSE again and was counselled on the use of assistive devices. He decided to use the Olympia magnifier to aid him in his work along with MAGIC software. His MD saw the devices and his work, and advised him not to worry about losing his job any more. A grateful Venkateswarlu says, "I would have lost my job if Dr G Chandra Sekhar and Mr Deepak did not help me at the right time."



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## Overcoming Ocular Albinism and Nystagmus

Yadagiri, born with white skin and hair, with eyes and body shaking, surmounted many shortcomings in life to emerge victorious. He had difficulty in reading and writing right from his school days, and was even declared unfit for higher studies. However, with encouragement from his father, he persisted.

In 1997, they visited the Centre for Sight Enhancement (CSE) at LVPEI where Yadagiri was diagnosed as suffering from Ocular Albinism and Nystagmus, an incurable genetic disorder. Dr Vijaya Gothwal insisted that Yadagiri dye his white hair black and helped him score 91% in his polytechnic course using various low vision devices like

magnifiers, telescope and other aids such as tinted glasses and peaked cap to shield his eyes from direct sunlight.

Yadagiri later completed his engineering and is now gainfully employed with Bharat Dynamics Limited (BDL), a Ministry of Defense (MoD) organization. He confidently takes care of the documentation of various projects and even drives a bike and a car. He has recently married Deepthi, an electronics graduate. Yadagiri expresses his gratitude to LVPEI, in particular to CSE, and believes that all eye hospitals should have low vision centres to help their clients.





## EYE BANKING

### Ramayamma International Eye Bank (RIEB) Anniversary Celebrated



The RIEB (Ramayamma International Eye Bank) at LVPEI completed 24 years of service and entered its Silver Jubilee year. To commemorate this event the Eye Bank staff recalled its genesis, growth and emergence of its current global leadership position where the eye bank is collecting about 4650 corneas in a year. The Eye Bank set for itself the lofty goal of facilitating 5,000 corneal transplants by 2015 and hoped to reach the magical figure of 10,000 by 2020 which is expected to place it uniquely as being the only such eye bank in the world.



### Highlights

- ❖ Biggest Eye Bank in the country to supply 2408 transplantable corneas in a single year
- ❖ First Eye Bank in the Asia-Pacific region to process and supply pre-cut donor corneas to surgeons, to enable performing Descemet's Stripping Endothelial Keratoplasty (DSEK). Processed and distributed 465 pre-cut corneas to surgeons at LVPEI and others across the country

## Rally on 28<sup>th</sup> Eye Donation Fortnight

On the occasion of the 28<sup>th</sup> Eye Donation Fortnight 25 August - 8 September 2013, a rally was organized by the Ramayamma International Eye Bank (RIEB). The walk commenced from Punjagutta X roads and culminated at LVPEI, covering a distance of about 7 kilometers with about 85 NCC and NSF members participating with great enthusiasm. RIEB was represented by a 25 member team.



## Eye Donation Awareness Program in Devarakonda



RIEB teamed up with Bharat Heavy Electricals Limited (BHEL) to conduct an eye donation awareness program in Devarakonda on 23-24 October 2013 as part of the Bharat Nirman Public Information Campaign. Senior Eye Donation Counselor, Raghu delivered a well attended public lecture on eye donation awareness.

## An Eye Opener

On 27<sup>th</sup> October 2013, the Ramayamma International Eye Bank (RIEB) tried a new initiative. Their field staff took a young cornea recipient Master Ashray to visit the Osmania General Hospital in Hyderabad. The purpose was for the hospital staff to see for themselves their coordinated efforts paying off to give sight to a blind person, and to motivate them on the good work they were doing in helping the blind patients.



For young Ashray too, it was an eye opening experience literally to see the value chain responsible for his gift of sight. Expectedly, his reaction was overwhelming when the hospital staff wished Ashray a happy and a prosperous life.



## RIEB Team at APSFC Health Camp

The Ramayamma International Eye Bank (RIEB) was represented by Surya Vasireddy and Kishan Reddy at a Health Camp organized on 23<sup>rd</sup> November 2013 by the Andhra Pradesh State Finance Corporation (APSFC) - Veterans Guild. A lecture on eye donation awareness was delivered by Kishan Reddy and 25 participants responded by pledging their eyes on the spot.

## Refresher Training

The RIEB organized its 3<sup>rd</sup> Refresher Training program for Technicians of eye banks and eye donation centers in Andhra Pradesh on the 8<sup>th</sup> February 2014. This training program is structured to provide comprehensive training in donor cornea recovery, cornea storage methods, documentation, packaging and transportation of donor corneas. The program aims to help better utilization of procured donor corneas. A total of 33 members participated in the refresher training and the eye donation centre were felicitated for their efforts to eliminate corneal blindness.



## Awareness Activities:

More than 50 awareness programs have been conducted this year:

- ❖ Organized eye donation awareness and pledging campaign at the Infosys Pocharam Campus on 14<sup>th</sup> May and Manikonda Campus on 15-16 May. Kishan Reddy delivered a talk on eye donation to the employees of Infosys in both the campuses, took pledges and distributed information leaflets to the employees.
- ❖ Eye Donation Awareness campaign organized at Yashoda Hospital, Malakpet on 10<sup>th</sup> June.
- ❖ A talk on eye donation was delivered by Mr. Kishan Reddy to about 208 hospital staff nurses

- ❖ Eye donation awareness camp and talk by Mr. Kishan Reddy at Canara Bank, Himayatnagar organized by Mrs. Shobha and members of Home for the Aged. There were about 21 participants from different walks of life.
- ❖ On 5<sup>th</sup> August the Mohan Foundation organized a press meet at NKM Grand Hotel where Mr. T. Kishan Reddy delivered a talk on eye donation. A total of 85 participants attended this meet including doctors and paramedical staff.
- ❖ The August 20<sup>th</sup>, Eye donation awareness talk at Mediciti Hospital and Secretariat was attended by about 90 members among the from Nursing and Secretariat employees.
- ❖ The RIEB teamed up with Bharat Heavy Electricals Limited (BHEL) to conduct an eye donation awareness program in Ghatkesar on 18<sup>th</sup> Nov 2013 as part of the Bharat Nirman Public Information Campaign. HCRP Manager, Mr. Kishan Reddy delivered a well attended public lecture on eye donation awareness.
- ❖ Mr. Kishan Reddy delivered a public lecture on the importance of eye donation at a wedding event held at Sai Garden Function hall. 38 people from the wedding party their eyes including the newlywed couple, which made this a first of its kind event!
- ❖ A public awareness program by Kishan Reddy at Vikarabad on 20 December 2013 was accompanied by presentations to the following schools. A total of 1260 students attended the program organized by a volunteer Mr. Ramakrishna:
  - Gowthami Junior and Degree College (300 students)
  - Nalanda Junior and Degree College (260 students)
  - Viswabharathi Junior and Degree College (300 students)
  - Noble Arts and Science College (400 students)
- ❖ Public awareness program at Shantam Rai, Shamshabad on 26<sup>th</sup> December organized by Nithyananda Medical Camp at Government High School. 322 people attended this awareness program (300 students and 22 teachers)
- ❖ G Srinivas and Surya Vasireddy visited ten eye donation centres and eye banks in 5 districts of Andhra Pradesh to monitor their recovery techniques and help enhance their standards of eye banking.

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## Mohsin Eye Bank

Mohsin Eye Bank is a community eye bank located at LVPEI, GMRV Campus, Visakhapatnam. Apart from supplying quality tissues to the Visakhapatnam and Vijayawada campuses, local surgeons in Visakhapatnam, it also supplies tissues to the entire nation through the SightLife Cornea Distribution System.

### Mohsin Eye Bank's 12<sup>th</sup> Anniversary



The Mohsin Eye Bank (managed by the VEBART Trust) successfully completed 12 years of its journey and organized a celebratory gathering at the GMR Varalakshmi Campus on 27<sup>th</sup> October 2013 to mark the occasion.

Sadguru Dr K Sivananda Murty, Peethadhipati, Sri Saiva Maha Peetham, Bheemunipatnam; Dr. N. K. Agarwal, DDG (Ophth.), Ministry of Health & Family Welfare, Govt. of India; Sri Sivajee, Telugu film actor; Sri Bekkam Venu Gopal, film producer and Dr K V Ram Prasad, President, Indian Medical Association, Visakhapatnam Branch, were the guests who graced the function. Sri Kasim S Mehdi, Chairman of VEBART Trust delivered his welcome address.

### Mohsin Eye Bank Crosses Century in Tissue Collection

Mohsin Eye Bank crossed a century in tissue collection in May 2013. They collected 104 tissues from various sources with help from their team of eye bank technicians. As part of the Hospital Corneal Retrieval Program (HCRP), 60 corneas were collected; 36 corneas were from voluntary donors and 8 have been collected through the collection centre. This was the highest cornea collection in a month since its inception.



## Awareness Activities

- ❖ 36 audiovisual presentations made to various communities in and around Visakhapatnam.
- ❖ Organized 10 stalls at various public places such as shopping malls, petrol bunks, Women's Day celebrations etc.
- ❖ The Eye Donation Fortnight events conducted from 25 August - 8 September 2013 included:
  - In-charge District Collector Sri Praveen Kumar inaugurated a beach rally for the inaugural ceremony
  - The valedictory function at the conclusion of the week included as guests Dr. M V V S Murthy, President, GITAM University, Visakhapatnam; Dr. S. V. Kumar, Principal, Andhra Medical College, Visakhapatnam; Dr. P. Krishna Prasad, HOD, Department of Ophthalmology, Andhra Medical College and District Programme Manager, DBCS, Visakhapatnam
- ❖ Mohsin Bank signed an MoU for HCRP with Queens NRI Hospital on 22<sup>nd</sup> November 2013
- ❖ Received Best Achievement Award for 2014 at the annual meeting of SightLife International in Madurai on 1<sup>st</sup> March 2014.
- ❖ Received highest utilization award in the category of collection of 700-1000 eyes per annum from Eye Bank Association of India's (EBAI) 5<sup>th</sup> CME at Mumbai on 21<sup>st</sup> September 2013.

## Drushti daan Eye Bank

Drushti Daan Eye Bank (DDEB), Odisha's first community eye bank, completed over 6 years of partnership with LVPEI Bhubaneswar in helping the corneal blind to regain sight. Altogether 410 corneas were collected 2013-14, of which 385 tissues were transplanted at a utilization rate of 94%. DDEB is working with SightLife to adapt best practices in eye banking. The guiding spirits for DDEB are passion, dedication and willingness to meet the challenges of eye banking. The desire is to create not just an eye banking system, but an eye banking movement in Odisha that seeks to change the attitude of people and processes where a need translates into demand.

This past year, DDEB was able to meet the demands of the local surgeons within Odisha by providing 245 corneas to LVPEI Bhubaneswar, JPM Rotary Eye Hospital (Cuttack), SUM Hospital (Bhubaneswar) and Dr Agarwal's Eye Hospital (Cuttack). Through the 'Cornea Distribution System', initiated with its global partner SightLife, DDEB has distributed 140 corneas to the surgeons in Delhi, Mumbai, Chennai, Kolkata, Ambala, Bangalore, Hyderabad, Coimbatore, Chandigarh, Ahmedabad, Nasik, Pune, Bhopal, Lucknow, and Visakhapatnam.

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## RIEB's Network Affiliates

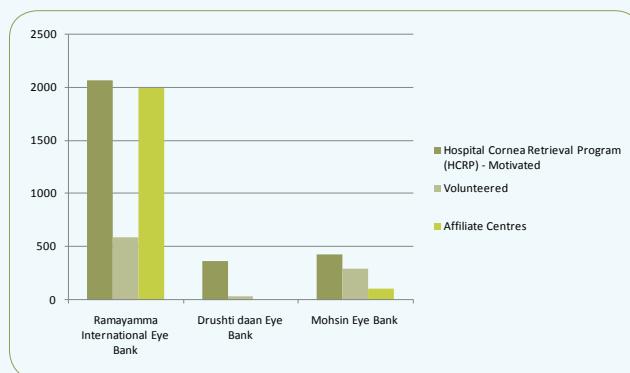
Akbar Eye Hospital, Anantapur (14); [Badam Balakrishna Eye Bank, Kakinada \(172\)](#); Chiranjeevi Eye Bank, Hyderabad (54); District Hospital, Jangaon (53); DBCS, Nandyal (2); Dr. YV Laxmidevi Eye Bank, Proddutur (26); Government General Hospital, Anantapur (18); [Indian Red Cross Society, Eluru \(170\)](#); Kadapa Eye Bank, Kadapa (2); Kamineni Institute of Medical Sciences, Narkatpally (6); Lions Club of Cherital (5); [Lions Club of Karimnnagar Eye Hospital, Karimnagar \(426\)](#); Lions Club of Mahabubabad, Mahabubabad (6); Lions Club of Mancherial, Mancherial (2); Lions Club of Nizamabad, Nizamabad (2); Lions Club of Ramagundam, Ramagundam (10); Lions Club of Sircilla, Sircilla (2); Lions Club of Suryapet, Suryapet (48); Lions Club of Vemulawada (2); Lions Eye Hospital, Bodhan (20); Mamatha Eye Bank, Khammam (10); [Modern Eye Hospital, Nellore \(280\)](#); Modern Eye Hospital, Ongole (48); MVR Eye Center, Tanuku (18); Pavani Eye Hospital, Jagityal (6); Regional Eye Hospital, Kurnool (27); Regional Eye Hospital, Warangal (72); Rotary Eye Bank, Vuyyur (6); Rajavalli Radharaman Lions Eye Hospital, Palakol (42); Sadhuram Eye Hospital, Hyderabad (38); Sankara Eye Hospital, Guntur (2); Sri Kotla Vijaya Bhaskar Reddy IRCS Eye Bank, Kurnool (6); Sreelatha Modern Eye Hospital, Chittoor (2); [Smt. Rajeswari Ramakrishnan Lions Eye Hospital, Nidadavole \(287\)](#); Sudarsani Eye Hospital, Guntur (12); Surya Swatchanda Sewa Trust, Mahabubabad (32); SVRR Government General Hospital, Tirupati (11); Sri Yerra Balarama Murthy Konaseema Eye Bank, Ambajipet (42); Yanam Eye Bank, Yanam (14)

\* Prominent contributors marked in colour.

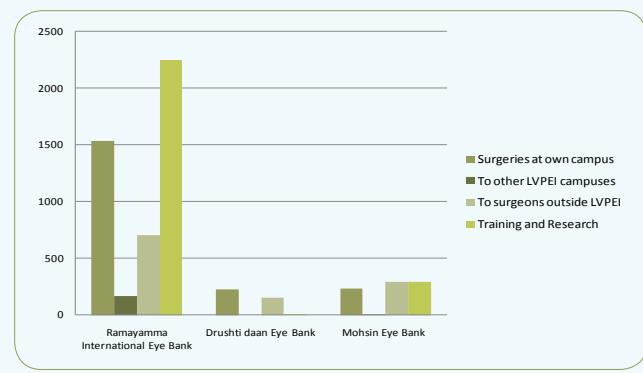
## Eye Bank Statistics

Corneas collected	Ramayamma International Eye Bank, Hyderabad	Drushti daan Eye Bank, Bhubaneswar	Mohsin Eye Bank, Visakhapatnam	Total
Hospital Cornea Retrieval Program (HCRP) - Motivated	2065	370	425	2860
Volunteered	592	40	296	928
Affiliate Centres	1995	0	106	2101
Total	4652	410	827	5889
<b>Corneas Utilized</b>				
Surgeries at own campus	1536	231	235	2002
To other LVPEI campuses	165	0	5	170
To surgeons outside LVPEI	707	154	293	1154
Training and Research	2248	5	294	2547
Total	4656	390	827	5873
Discarded		20		

### Corneas Collected



### Corneas Utilized



## Product Development

### Mc Carey Kaufman's Medium for Corneal Preservation

The RIEB produced 27,093 vials of the Mc Carey Kaufman (MK) Medium during the year. It supplied 28,005 vials of the MK Medium to 226 national eye banks and 3 international eye banks.

#### National

Abu Road, Ahmednagar, Aizawl, Aligarh, Aluva, Ambajipet, Ambala, Anand, Angamaly, Asansol, Amritsar, Bagalkot, Bangalore, Bareilly, Bilaspur, Bhavnagar, Bhopal, Bhubaneswar, Calicut, Chandigarh, Chennai, Chitrakoot, Chitoor, Coimbatore, Davanagere, Dehradun, Dibrugarh, Durgapur, Eluru, Erode, Gannavaram, Gondia, Gorakhpur, Gulbarga, Guntur, Gurgaon, Guwahati, Gwalior, Haldia, Hoshiarpur, Hubli, Hyderabad, Indore, Jabalpur, Jaipur, Jalandhar, Jalgaon, Jalna, Jamshedpur, Jodhpur, Jorhat, Kakinada, Karnal, Kanpur, Katwa, Kadapa, Kochi, Kolkata, Kurnool, Latur, Lucknow, Ludhiana, Mangalore, Manipal, Meerut, Miraj, Moinabad, Moradabad, Mumbai, Mysore, Nagercoil, Nagpur, Nalgonda, Nandyal, Narkatpally, Nashik, Navasari, Neemuch, Nellore, New Delhi, Nidadavole, Noida, Ongole, Palakol, Panvel, Patna, Pondicherry, Proddutur, Pune, Raichur, Raipur, Rajkot, Rampur, Ranchi, Ratnagiri, Rishikesh, Sangli, Secunderabad, Shantivan, Shimla, Siliguri, Shimoga, Sirsa, Sitapur, Sohana, Solapur, Sri Ganganagar, Surat, Suryapet, Surendranagar, Tanuku, Thane, Thiruvananthapuram, Tirunelveli, Tirupati, Trichy, Udupi, Ujjain, Uttar Dinazpur, Vadodara, Varanasi, Vellore, Vijayawada, Visakhapatnam, Visnagar, Vizianagaram, Vuyyur, Warangal, Yanam.

#### International

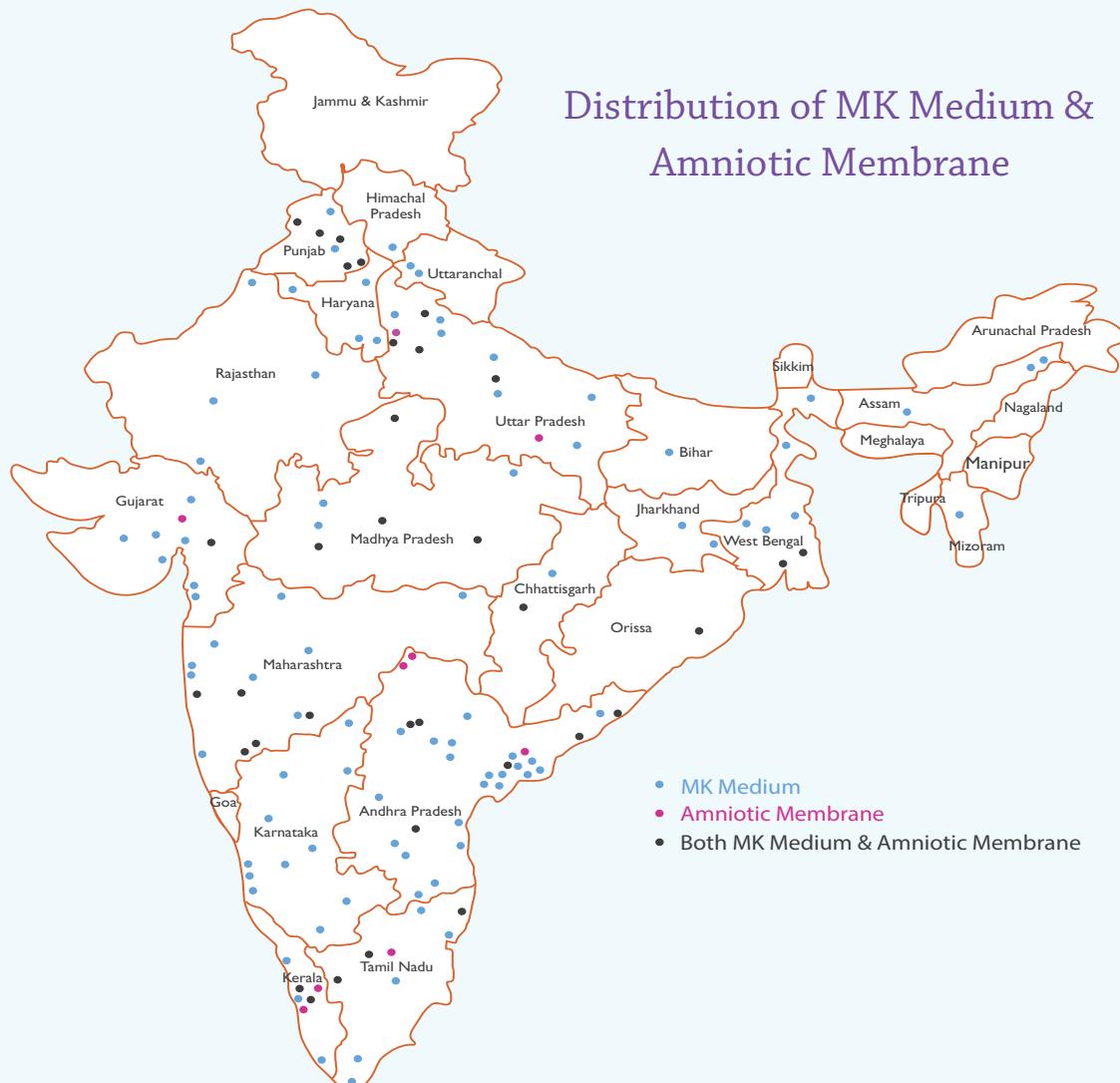
Dhaka, Bangladesh; Khatmandu, Nepal; Nairobi, Kenya

## Amniotic Membrane for Ocular Surface Reconstructive Surgeries

RIEB produced 1645 pieces of amniotic membranes during this year. In addition to providing 961 amniotic membranes to all the LVPEI tertiary campuses and three secondary eye care centers, 690 membranes to surgeons outside LVPEI, a total of 146 membranes were provided for in-house research and training purposes.

### National

Adilabad, Ahmedabad, Aligarh, Allahabad, Ambala, Amritsar, Angamaly, Bhopal, Bhubaneswar, Chandigarh, Chennai, Cochin, Coimbatore, Erode, Ghaziabad, Gwalior, Haldia, Hyderabad, Indore, Jabalpur, Jalandhar, Kakinada, Kochi, Kolkata, Lucknow, Miraj, Moradabad, Mudhole, Nagpur, Nandyal, Noida, Palakkad, Panvel, Pune, Raipur, Rajahmundry, Salem, Sangli, Secunderabad, Sohana, Solapur, Vadodara, Vijayawada, Visakhapatnam.



# Community & Rural Eye Care

## Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye Care (GPR- ICARE)

This 15 year old of service in community eye care delivery plays a crucial role at the primary and secondary level. It is the point of convergence to the communities for affordable and accessible eye care services.

While the vision centres are located in villages to the community doorsteps, the secondary centres are located to extend their services to a population of 500,000. With suitable practices, sustainable processes and relevant systems, GPR ICARE has established a total of eleven secondary centres spread across Andhra Pradesh and one in Karnataka.

The Vision Centre located at Kapileswarapuram in East Godavari District of Andhra Pradesh has become the first vision centre to be upgraded as a Vision Centre Plus facility. Foundation stones for two secondary centres at Odisha - one in Berhampur and the second in Rajgangpur were laid this year.

The GPR-ICARE team has been able to draw on exceptional individual and community actions to establish 10 more vision centres this year thus taking our Vision Centres to a total of 103.

The service delivery component along with ICARE's partner hospitals has rendered services to 330,000 people with 44,000 surgeries being performed. The Vision Centres together screened 143,000 people. Around 60,000 school children were screened as part of the school screening programs.

The technology team ensured that the Electronic Medical Records (EMR) system is extended to one more secondary centres thus making four secondary centres and eleven vision centres enabled with EMR.

Community eye care services continue to extend their services by organizing community screening programs and conducting awareness campaigns. Rehabilitation services are provided to those in need and this continues to be an integrated service of the community eye care activities. World Sight Day, World Diabetes Day and Glaucoma Week were celebrated across the network to create awareness and reinforce the need for treatment at an early stage. Community screening programs and awareness talks were also conducted.



Domains of our Sunethra Program (Hospital Based Community Eye Health Project) have been expanded to three secondary centres this year. This program is uniquely positioned as it integrates eye health care services with primary health care services and parallelly it strengthens the existing primary health care teams by actively involving them into primary eye care activities.

Spearheaded by the values of the institute, our education centre is vital in grooming new talents, reenergizing the existing teams and refueling them with additional skill sets. Witnessed by an increased number of student enrollments, our online Masters course in Community Eye Health in collaboration with the University of New South Wales, Australia, has added new talent to the pool of eye care professionals. Apart from this, twenty-three students graduated this year from the education centre of GPR-ICARE and some of the students from various universities across the world also completed their summer and mid-term internships. Continuous professional development programs were also conducted to the staff of partner hospitals and to the staff across our network.

The institute has always believed in identifying internal talent and grooming them to become leaders in their area of expertise. A couple of staff members from GPR-ICARE have completed their doctoral and post doctoral programs respectively with the support of the institute.

Studies such as Glaucoma Epidemiology and Molecular Genomics Study (GLEAMS) - molecular genetics phase, Diabetes and Diabetic Retinopathy, and the Andhra Pradesh Eye Disease Study (APEDS) are ongoing on the research front. The findings from service delivery projects and rapid assessment studies were shared with the rest of the eye care world. Around eleven articles were published in national and international peer reviewed journals and twelve posters and presentations across various conferences and workshops were delivered.

With the convergence of experience and expertise at one place, the existing collaborations for capacity building and consultancy under the Global Sight Initiative (GSI) project supported by the Seva Foundation is ongoing. TOMS - the 'one-for-one' giving eyesight program in partnership with the Seva Foundation is also ongoing and this has helped us in serving people by providing spectacles and surgeries at no cost.

Situation analysis of eye care services in Myanmar was done as part of the consultancy activities during the year and staff of GPR-ICARE along with the management of the Institute visited Liberia for assessment of their eye health systems.

Vision 2020 workshop on Comprehensive Primary Eye Care – Best Practices and Models, and the annual Orbis Partner Meet was also conducted this year at L V Prasad Eye Institute.

Local communities, donor agencies and institutions have demonstrated yet another year of their continued support for our service delivery activities. Mrs. Gullapalli Pratibha Rao is one of our three major founding donors and her various contributions to the institute in many areas right from the inception is recognised by naming ICARE after her.

The manifestations of the thought and vision of the value based leadership of GPR-ICARE is diverse, but all of these are tied together with the shared vision and mission of the institute. On our way forward, with a relentless focus on retaining the consistency of our quality of services, we aspire to demonstrate the commitment of providing services, thus laying the path to reach the Vision 2020 goals.



## New Vision Centres

### #94 Vision Centre at Lingala Village

Mallavarapu Venkatappaiah and Manikyamma Vision Centre was inaugurated on 29<sup>th</sup> May 2013 at Lingala Village, Mandavalli Mandal, Krishna district. The centre is supported by Prof. Ramakrishna Rao, a retired professor of IISc Bangalore and Founder of the Society for Energy Environment and Development (SEED), Hyderabad, and his family members and LDS Charities, USA. It was inaugurated by Dr K Satyanarayana, Retired Director of Medical Education, Government of AP and currently Director Vijaya Health Centre, Secunderabad.



### #95 Vision Centre at Buttayagudem

A S Chowdary Nava Bharat Vision Centre at Buttayagudem village in West Godavari district was inaugurated on 21 July 2013. The centre, located in a thickly forested 'Agency' area, is supported by A S Chowdary Navabharat Foundation, Hyderabad, and LDS Charities, USA.

### #96 Vision Centre at Maliyaputti

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LVPEI's 96<sup>th</sup> Vision Centre was inaugurated on 13 December 2013 at Maliyaputti in Srikakulam district. The dignitaries included Chief Guest Sri Tej Bharath (RDO), Sri Madugula Rama Rao (donor), Sri A S Rao (Plant Head, East Coast Energy Pvt. Ltd), Sri P Venkatapathi Raju (Managing Director, COSMICON Infrastrucutres), Sri P Lakshmi pathi Raju (supporter), Smt T Bharathi (Sarpanch, Maliyaputti) and Sri Kondala Rao (Tehsildar).



### #97 Vision Centre at Pydibhimavaram

LVPEI's 97<sup>th</sup> Vision Centre was inaugurated on 13 December 2013 at Pydibhimavaram in Srikakulam district. Sri P Sanjeeva Rao and Smt P Uma Devi (Pothinindi Kankadurgamma Charitable Trust), Sri. K V Rao, (Joint Commissioner), Sri Lakshmi Narayana (Pollution Control Board), Sri Lankelapalli Prasad (Sarpanch, Pydibhimavaram) and Sri Vikrama Jagannadham (Sarpanch, Govindhapuram), Sri Uppalapati Raja (Business Associate, TITAN Group) and other dignitaries participated in the event.



### #98 Vision Centre at Tekkali

The Tekkali Vision Centre opened on 20 December 2013 in Srikakulam district is supported by Lavelle Fund for the Blind, USA. Bhagawan Sri Sathya Sai Seva Samithi provided rent-free premises while Uthara Andhra Granite Owners' Association provided one year's operational expenses.



## #99 Vision Centre at Ramakrishna Math

The Vivekananda Vision Centre, at the Ramakrishna Math Medical Center in Hyderabad was opened on 27 December 2013. The dignitaries present included Swami Jnanadananda - President, Ramakrishna Math; Swami Shitikanthananda - Head of the Health Center; Dr Anupama Reddy, Medical Director of the Health Centre; besides Dr G N Rao and Mrs. Pratibha Rao from LVPEI.



## #100 Vision Centre at Araku

LVPEI began the New Year with the launch of its 100<sup>th</sup> Vision Centre on 5<sup>th</sup> January 2013 in the predominantly tribal area of Araku in Visakhapatnam district. The capital funding is from the Lavelle Fund for the Blind, USA, and one year operational expenses from Sri Uppalapati Raja, TITAN Business Associate, Visakhapatnam. The event commenced with the traditional 'Dimsa' tribal dance followed by 'pooja' at the Lord Venkateswara temple.

## #101 Vision Centre at Agiripally

The Agiripally Vision Centre opened on 15 March, 2014 is supported by Latter Day Saint Charities, USA. Dignitaries present for the inauguration included Sarpanch Sri Veerababu, Sri Pulla Rao, Sri P Ravi and Sri Karunakar.



## #102 Vision Centre at Vissannapeta

Vissannapeta Vision Centre, supported by Latter Day Saint Charities, USA, was inaugurated on 15 March, 2014 by Sarpanch Sri P Laxmaiah. Dignitaries present included Dr Rami Reddy, Dr P Vijay, Dr B Gopal Rao and Dr M Srinivas.



## #103 Vision Centre at Movva

Movva Vision Centre, supported by Latter Day Saint Charities, USA, was opened on 15 March, 2014 by Smt Bala Tripura Sundari who also provides rent-free premises for the centre. Dignitaries present included Sri Kolli Koteswara Rao, Sri Thathineni Purnachandra Rao, Sri B Krishna Rao and Sri Thathineni Ramdas.

## Vision Centre at Santhanuthalapadu Reopened at New Premises

The Santhanutthalapadu Vision Centre has been reopened on 22<sup>nd</sup> July as S V Prasad Vision Centre. The new premises is located at the new building donated by Smt Indira Prasad and her family in memory of Late Sri S V Prasad who hailed from the village and was a retired Wing Commander with the Indian Air Force. The centre was inaugurated by Smt Indira Prasad and Sri Arun Prasad in the presence of other family members.

## Vision Centre Plus at Kapileswarapuram



On 22<sup>nd</sup> December, LVPEI's Kapileswarapuram Vision Centre was upgraded to Vision Centre Plus with the addition of an operating room complex and luxurious guest rooms. Sri G V B Chowdary, Charted Accountant and Internal Auditor, KAR campus and Dr V Rama Mohan Rao, former Superintendent of Osmania General Hospital, Hyderabad, both natives of this village extended support for the entire infrastructure. The facility was inaugurated with the gracious presence of Sri BV Mohan Reddy, Chairman, Infotech Enterprises, Smt Satyavani, President Bharatiyam NGO, Sri Yarlagadda Harishchandra Prasad, Managing Director, Mahalaxmi Properties along with Dr Rao and the LVPEI team. Around 300 members attended the event. There was also a singing program organized by Master Paramesh who is bilaterally blind and Baby Srilatha, both winners of TV reality show.

## New Secondary Centres

### Foundation Ceremony of Berhampur

The Foundation ceremony for LVPEI's first secondary centre in the state of Odisha took place on 3 October 2013 at Berhampur, Ganjam District. Chief Minister Shri Naveen Patnaik unveiled the plaque and was accompanied by Shri Surya Narayan Patro, Hon'ble Minister for Revenue and Disaster Management; Shri Siddhant Mohapatra, MP, Berhampur; and Shri Pradeep Panigrani, MLA, Gopalpur.



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### Foundation Laid at Rajgangpur Centre

The foundation ceremony of OCL Eye Center, Rajgangpur, supported by OCL India Ltd was graced by Shri Naveen Patnaik, Hon'ble Chief Minister of Odisha on 15<sup>th</sup> December 2013. Ms Kanupriya Dalmia, Asst. Vice President, OCL India; Mr. D D Atal, Whole Time Director, OCL India, Rajgangpur; and other dignitaries were present on the occasion.



## Anniversary Celebrations

### Swarna Bharat Eye Centre at Nellore, Celebrates 6<sup>th</sup> Anniversary

The 6<sup>th</sup> Anniversary of Swarna Bharat Eye Centre, Venkatachalam, Nellore, LVPEI's 6<sup>th</sup> secondary care satellite centre, was celebrated on 1 July 2013.



### Mudhole Centre Celebrates 17<sup>th</sup> Anniversary

The 17<sup>th</sup> anniversary ceremony of Bhosle Gopal Rao Patel Eye Centre was organized on 20 December 2013. The program commenced with lighting the lamp by the donor of the centre, Sri Bhosle Narayan Rao Patel. The participants included Sri Ravula Giridher, Divisional Superintendent of the Police, Bhainsa, Sri B Anil, Sarpanch of Mudhole town and others. The best employee of the year award was given to Smt. Bhoja Bai.

### Thoodukurthy Centre Celebrates 15<sup>th</sup> Anniversary

Kuchukalla Ramachandra Reddy Eye Centre at Thoodukurthy, Mahaboobnagar district, celebrated its 15<sup>th</sup> anniversary on 24 October 2013. On the occasion, Sri. K Damodar Reddy (Former Chairman, Zilla Parishad), Sri K Vijendar Reddy from the donor family, Sri Anothonnappa (DSP Nagarkurnool and the Chief Guest) and Sri Shekar Reddy (Circle Inspector) participated in the celebrations.



### Markapuram Centre Celebrates 6<sup>th</sup> Anniversary

LVPEI's 7<sup>th</sup> secondary care centre, Sudhakar and Sreekanth Ravi Eye Centre at Markapuram, celebrated its 6<sup>th</sup> anniversary on 3<sup>rd</sup> January 2014. The dignitaries present included Sri Ramakrishna Reddy, Circle Inspector; Sri G Srinivas Reddy, former Mandal Praja Parishad President of Tarlupadu mandal; Sri Rangaiah, Principal, Sai Balaji School and staff from GPR ICARE.

### Kandukuru Centre Celebrates 5<sup>th</sup> Anniversary

The 5<sup>th</sup> anniversary of Sudhakar and Sreekanth Ravi Eye Centre at Pantavaripalem (Kandukuru), Prakasam district, was celebrated on 1<sup>st</sup> February 2014. This is LVPEI's 8<sup>th</sup> secondary satellite centre. The dignitaries present included Dr Malakondaiah (Physician), Sri Ch Srinivas (Palukuru Panchayati President), Sri E Koteswar Rao and Sri N Subbarao, Sri L Srinivas Reddy (Chair of Lakkala Krishna Reddy Charitable Trust, Pamuru), Sri Ramesh, (former Panchayati President, Palukur) and others, besides members of the LVPEI family. The event also attracted about 200 people from the locality.



### Y Mahabaleshwarappa Memorial Eye Centre Celebrates 1<sup>st</sup> Anniversary



LVPEI's 11<sup>th</sup> secondary centre and its first in the state of Karnataka, Y Mahabaleshwarappa Memorial Eye Centre, Bellary, celebrated its first anniversary on 13<sup>th</sup> February 2014. The dignitaries present included Sri Y Basavraj and his son Sri Y Satish and daughter Smt Anuradha Bhoomreddy (donor and family). There were performances by the children from Anugraha school for the differently abled. Sri Sanjeev Satla, Vision Technician was selected as best employee for his outstanding work at the centre.

### 3<sup>rd</sup> Anniversary at Nava Bharat Eye Centre, Paloncha

The 3<sup>rd</sup> anniversary of Nava Bharat Eye Centre, Paloncha, LVPEI's 9<sup>th</sup> satellite secondary centre was celebrated on 19<sup>th</sup> Feb 2014. The chief guest, Sri C Sriramulu, General Manager, National Mineral Development Corporation (NMDC) Paloncha, inaugurated the ceremony. On the same day, newly installed Retina Green Laser was inaugurated by donor Sri Mohammed Ali, Chief Administrator of Nava Bharat Ventures. The best employee of the year award was given to Smt K Suchitra (Counsellor).



## ORBIS-India Partners Meet

GPR ICARE organized the first ORBIS-India partners' meet at its Kismatpur Campus 17-18 June 2013. Around 28 ORBIS India partners and staff members participated in the workshop. The agenda was to review past partnerships and plan the future.

ORBIS International is an international non-profit non-governmental organization (NGO) dedicated to saving sight worldwide. ORBIS programs focus on the prevention of blindness and the treatment of blinding eye diseases in developing countries.



## Workshop on Comprehensive Primary Eye Care

GPR ICARE hosted a workshop on 'Comprehensive Primary Eye Care: Best Practices and Models' for Vision 2020 India at the Kallam Anji Reddy Campus, Hyderabad, on 19 August 2013. The objective was to deliberate and discuss various models of primary eye care in the country and to come up with a reference manual for comprehensive primary eye care. Speakers included Dr N K Agarwal, DDG, Ophthalmic Services, Government of India, Dr G V Rao, CEO, Vision 2020, India and others. About 63 participants across the country from various Government, Non-government and International Developmental Organizations participated.



## Johns Hopkins Team Visits Paloncha centre

Students of the International Development Program at John Hopkins, along with their faculty, visited GPR ICARE for their project 'Barriers for compliance to follow up care after cataract surgery in Paloncha secondary centre' from 6<sup>th</sup> to 17<sup>th</sup> Jan 2013.

## LVPEI Opticals Opens New Outlet in Bellary

On Saturday, 27 July 2013, LVPEI Opticals opened a new optical outlet at the secondary care Y Mahabaleshwarappa Memorial Eye Centre in Bellary.

## World Sight Day (WSD)

For WSD 2013, LVPEI teamed up with 'Sight for Kids,' the initiative supported by Lions Clubs International Foundation, Johnson & Johnson Vision Care and Rakshana Welfare Association, Rasoolpura, Hyderabad. Awareness programs were conducted at the slums of Rasoolpura on 10 October 2013 to focus on new born babies and mothers. LVPEI's Hyderabad Outreach Urban Slums Eye Care (HOUSE) Program organized a Seminar on 'Students' role in elimination of avoidable blindness' at Megha Institute of Engineering and Technology For Women, Edulabad, Ghatkesar, Ranga Reddy district on 11 October. Rallies, awareness talks and eye screening programs were conducted across the LVPEI network, coordinated by the centres at Thoodukurthy, Jainath (Adilabad), Mudhole, Nellore, Markapuram, Paloncha, etc.

## Vision Screening In an Orphanage

A team of Optometrists and Bausch and Lomb School of Optometry students together conducted a vision screening program on 26<sup>th</sup> May 2013, for Sishu Vihar, a state run orphanage in Hyderabad. As part of the program, a total of 124 children as young as a month old to 6 years of age were screened.

Of the total number screened, eleven children were identified to have ocular problems and were referred to L.V. Prasad Eye Institute for further management. The caretakers at the orphanage were also screened and referred as appropriate. The screening served as a good opportunity to extend LVPEI's services to a part of the society that is often neglected.

## World Glaucoma Week, March 9-15

The focus this year was on early detection and prevention of glaucoma through family screening and prevention of steroid abuse. The theme for this year was 'BIG: Beat Invisible Glaucoma.' A series of events were organized across the LVPEI network:

### World Glaucoma Week across the VVC complex

The Gullapalli Pratibha Rao International Centre for Advancement of Rural Eye care (GPR ICARE) organized rallies, community screening programs, and public awareness meetings.



## World Diabetes Day



GPR ICARE Hyderabad, through its Outreach Urban Slums Eye Care (HOUSE), commemorated 'World Diabetes Day 2013' on 14<sup>th</sup> November 2013 with the collaboration of Diabetomics India, an NGO working to address diabetes.

LVPEI participated in the symposium on diabetes and its complications at the Birla Planetarium's Auditorium where children with diabetes, their parents and members of Diabetomics India, Hyderabad were present. LVPEI's Jachin D Williams, Public Health Specialist, gave an interactive lecture on the prevention and treatment of eye ailments caused by diabetes, particularly diabetic retinopathy.

The HOUSE

team coordinator Mr Surendar Reddy along with the Bausch and Lomb School of Optometry (BLSO) students of the third year conducted a screening program for children with diabetes.

A series of about 20 events (walks, meetings, screening programs etc) across LVPEI's VVC network were organized as a part of World Diabetes Day week celebrations, from 14<sup>th</sup> to 16<sup>th</sup> November, in remote villages, towns and cities. Nearly 6000 people participated in these events.



## Service Delivery (April 2013 - March 2014)

The services at primary care vision centres are offered entirely free of cost. A total of 1,43,007 people were screened of whom 46,580 were prescribed glasses for refractive errors

Performance	Screening	Spectacles prescribed*	Spectacles dispensed*	Referred to Service Centre
Rural (103)				
Bhainsa, Kubeer, Nandipet, Navipet, Narsapur, Lokeshwaram & Tannur (7) (Bhosle Gopal Rao Patel Eye Centre, Mudhole)	13,746	4,301	3,962	3,292
Utnoor, Boath, Jainath, Bela, Naroor, Jainoor, Jannaram, Medarpet, Talamadugu, Gudihathnoor, Echoda & Indervelly (12) (Seshanna Chennawar Eye Centre, Adilabad)	15,773	6,525	5,677	3,030
Wanaparthys, Achampet, Nagarkurnool, Kothakota, Kollapur, Ghanapuram, Bijnapally, Telkapally, Kalwakurthy, Lingala & Amangal (11) (Kuchukulla Ramachandra Reddy Eye Centre, Thoodukurthy)	12,974	5,054	3,109	3,707
Parchuru, Panguluru, Pedanandipadu, Yeddanapudi, Marturu, Ballikuruva, Epurupalem, Chinnaganjam, Naguluppalapadu & Vetapalem (10) (Venkata Lakshmi Eye Centre Karamchedu)	25,978	6,319	5,271	2,609
Tripuranthakam, Yerragondapalem, Dornala, Cumbum, Bestavaripeta, Giddalur, Podili, Darsi, Kurichedu & Chimakurthi (10) (Sudhakar & Sreekanth Ravi Eye Centre, Markapuram)	8,745	2,667	1,589	1,521
Tangutur, Kondapi, Lingasamudram, Chandrasekhapuram, Singarayakonda, Pamuru, Ulavapadu, Medarmet, Santhanuthalapadu & Kothapatnam (10) (Sudhakar & Sreekanth Ravi Eye Centre Kandukuru)	6,863	2,419	1,226	1,692
Nimmanapalle & B Kothakota (2) (Siloam Eye Centre, Madanapalle)	1,019	315	206	349
Ravulapalem (1) (Paramahansa Yogananda Netralaya, Rajahmundry)	711	238	209	36
Chodavaram, Shrungavarapukota, Revidi, Gajapathinagaram, Govindapuram, Yelamanchili, Kailasapatnam, Kasimkota, K Kotapadu, Kottavalasa & Araku <sup>1</sup> (11) (L V Prasad Eye Institute, Visakhapatnam)	15,447	4,011	2,744	5,239
Kovvali, Kapileswarapuram, Vutukuru, Mylavaram, Pedapadu, Lingala <sup>2</sup> , Buttagudem <sup>3</sup> , Agiripelly <sup>4</sup> , Vissannapeta <sup>5</sup> & Movva <sup>6</sup> (10) (L V Prasad Eye Institute, Vijayawada)	12,918	4,409	2,744	2,026
Yellandu, Kallur, Manuguru, Ashwapuram, Dammapet, Tekulapally, Chandrugonda, Tallada & Cherla (9) (Navabharat Eye Centre, Paloncha)	12,943	4,043	3,378	3,783
Amrutaluru & Bhattiprolu (2) (Dr. Kommareddy Raja Ram Mohan Rao Eye Centre, Gudavalli,)	2,206	999	530	372
Mandasra, Santhabommali, Maliyaputti <sup>7</sup> , Pydibhimavaram <sup>8</sup> , Tekkali <sup>9</sup> (5) (Arogyavaram Eye Hospital & Contact Lens Clinic, Sompeta, Srikakulam)	4,001	1,040	660	1,068
LVPEI VST Screening Centre, Ramnagar and Vision Screening Centre & Vivekananda Vision Centre, Ramakrishna Math <sup>10</sup> (3)	9,683	4,240	2,462	1,747
<b>Total</b>	<b>143,007</b>	<b>46,580</b>	<b>33,767</b>	<b>30,471</b>

Note: The affiliate service/tertiary centre in brackets

\*Includes spectacles sold to patients referred by service centers and non-prescription sun glasses, photo chromatic glasses etc.,

<sup>1</sup>Inaugurated January 2014. <sup>2</sup>Inaugurated May, 2013. <sup>3</sup>Inaugurated July, 2013. <sup>4,5,6</sup>Inaugurated March, 2014. <sup>7,8,9,10</sup>Inaugurated December, 2013.

## Secondary Eye Care – Satelite and Partner Centres (1 April 2013 - 31 March 2014)

During the year 3,30,681 people were seen at our secondary care centres.

Rural satellite & partner centres	Paying		Non-paying	
	Outpatients	Surgeries	Outpatients	Surgeries
<b>Satellite Centres</b>				
Bhosle Gopal Rao Patel Eye Centre, Mudhole, Adilabad	14,925	1,447	5,829	1,184
Kuchukulla Ramachandra Reddy Eye Centre, Thoodukurthy, Mahabubnagar	8,494	445	6,174	1,276
Seshanna Chennawar Eye Centre, National Highway Road, Adilabad	9,699	810	6,443	1,907
Siloam Eye Centre, Madanapalle, Chittoor	9,620	498	1,654	386
Venkata Lakshmi Eye Centre, Karamchedu, Prakasam	5,193	363	6,251	1331
Swarna Bharat Eye Centre, Venkatachalam, Nellore	1,907	243	5,733	1150
Sudhakar & Sreekanth Ravi Eye Centre, Markapuram, Prakasam	5,406	436	4,192	1,298
Sudhakar & Sreekanth Ravi Eye Centre, Kandukuru, Prakasam	4,460	460	4,203	949
Navabharat Eye Centre, Paloncha, Khammam	13,754	920	11,185	2,036
Dr. Kommareddy Raja Ram Mohan Rao Eye Centre, Gudavalli, Cherukupally Mandal, Guntur	3,264	139	3,664	638
Y Mahabaleswarappa Memorial Eye Centre, Talur Road, Bellary, Karnataka	2,064	244	4,803	740
<b>Total</b>	<b>78,786</b>	<b>6,005</b>	<b>60,131</b>	<b>12,895</b>
<b>Kapileswarapuram Eye Centre</b>				
Kapileswarapuram East Godavari District * 22 Dec 2013	0	0	1,675	19
<b>Partner Centres</b>				
Mullapudi Venkatarayudu Eye Centre Tanuku, West Godavari	10,193	953	825	135
Smt. Rajeshwari Ramakrishnan Lions Eye Hospital, Nidadavole, West Godavari	17,616	1,595	10,317	3,120
St. Gregorius Balagram Eye Hospital Yacharam, Ranga Reddy	6,092	231	2,000	711
Lions Club of Suryapet Eye Hospital Suryapet, Nalgonda	3,036	394	15,254	2,019
The Rotary Eye Hospital Proddatur, Cuddapah	9,185	1,627	3,598	1,428
Paramahansa Yogananda Netralaya Vemagiri, Rajahmundry	21,720	2,260	13,352	1,745
<b>Urban Partner Centres in Hyderabad</b>				
M S Reddy Lions Eye Hospital, Moula Ali	11,340	759	12,919	3,041
Kishore Chand Chordia Eye Centre, Begum Bazaar	7,379	322	27,672	3,030
Balanagar Lions Eye Hospital, Balanagar	13,303	499	4,288	1,258
<b>Total</b>	<b>1,78,650</b>	<b>14,645</b>	<b>1,52,031</b>	<b>29,401</b>

Total Outpatients: 3,30,681

Total Surgeries: 44,046

## Community Eye Care Program

### Service Delivery: Screening Programs

	LVPEI VVC*	KVC*	GMRV*	HOUSE*	CLIP*	SFK*	Total
Slums/Villages surveyed	430	40	143	-	-	-	613
Houses surveyed	113,851	23,804	31,902	-	-	-	169,557
Population covered through door to door survey	405,293	59,477	125,764	-	-	-	590,534
People identified with eye ailments	53,192	5,640	6,440	-	-	-	65,272
People identified with diabetes high risk and known diabetics	1,792	576	577	-	-	-	2,945
Community Screening Programs organized	523	19	83	75	31	-	731
People screened	50,191	2,253	8,543	7,378	1,996	-	70,361
Prescribed spectacles	18,715	590	2,414	2,858	1,192	-	25,769
Dispensed Spectacles	8,792	19	535	1,806	502	-	11,654
Referred to base hospital	9,935	33	2,503	1,323	595	-	14,389
Awareness programs conducted	67	-	-	-	34	-	101
<b>Children Screening Programs</b>							
Schools covered	125	4	94	2	36	215	476
Teachers trained	67	6	84	2	121	226	506
Children screened	21,454	782	10,031	316	1,722	29,343	63,648
Identified with eye problem	1,826	76	278	30	75	1,193	3,478
Referred for further management	928	142	76	-	741	44	1,931
<b>Anganwadi (creche level): Screening for 0-5 years of age</b>							
Programs organized	28	7	48	-	30	-	113
Children screened	590	398	925	-	940	-	2,853
Identified with eye problem	30	8	7	-	14	-	59
Referred to base hospital	17	8	5	-	7	-	37

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Community Based Rehabilitation for the visually challenged	LVPEI VVC*	KVC*	GMRV*	Total
Blindness / Low vision	285	44	55	384
Counselled for rehabilitation	152	69	-	221
Base hospital certification	53	41	-	94
Medical board certification	72	67	-	139
Low-vision service	16	-	33	49
Orientation and Mobility and Activities of Daily Living skills training	128	32	2	162
Travel concession - Bus	67	22	-	89
Travel concession - Train	11	3	-	14
Pension - Old age	10	-	-	10
Pension - Handicapped	43	18	-	61
School Admission facilitated	3	-	-	3
Scholarship facilitated	-	6	-	6

\*LVPEI VVC: 12 secondary level satellite centres of LVPEI

\*KVC: Kode Venkatadri Chowdary Campus

\*GMRV: GMR Varalakshmi Campus

\*HOUSE: Hyderabad Urban Slums Eye Care Program

\*CLIP: Community Linked Integrated Program, Jainath

\*SFK: Sight for Kids

## Operations Research at GPR ICARE (2013-2014)

Project Title	Investigators	Supported by	Project Update
L V Prasad Eye Institute - Glaucoma Epidemiology and Molecular Genomics Study(LVPEI-GLEAMS) September 2010-August 2013	Dr G. Chandra Sekhar Dr Rohit Khanna Dr Harsha BL Rao Dr Padmaja K Rani Dr Subhabrata Chakrabarti Mr Uday Kumar Addepalli Mr Ganesh Babu Jonnadula	LVPEI	No. of subjects examined: 3833 Identified with glaucoma/glaucoma suspect:589 Identified with Refractive error: 1765 Identified with Cataract: 1113 Molecular genetics phase of the study is ongoing at Pedanandipadu mandal, Guntur District, Andhra Pradesh.
Andhra Pradesh Eye Disease Study III (APEDS III) - Follow Up Study June 2012 - Ongoing	Dr Rohit Khanna Dr Subhabrata Chakrabarti Dr Srinivas Marmamula Dr P. Giridhar Ms Asha Latha (Project Coordinator) ICEH: Dr Clare Gilbert Dr GVS Murthy	LVPEI/ Lions Clubs International Foundation, USA/ Dept. of Bio technology, Centre of Excellence grant	Completed at Thoodukurthy, Mahaboobnagar district Started in Mudhole in Adilabad district (in July) and is ongoing. Subjects examined (as on 31 <sup>st</sup> March): 3092
Rapid Assessment of Visual Impairment (RAVI) project in Adilabad district, AP, India February 2013 - Ongoing	Dr Srinivas Marmamula	Christoffel Blindenmission (CBM) Germany	Undertaken in Adilabad district Total enumerated: 3200 Total examined: 3020 (94%) (as on 31 <sup>st</sup> March)
Barriers to uptake of referral services within L V Prasad's ICARE pyramid: A study at Navabharat Eye Centre, Paloncha, Khammam District, AP March, 2014 - Ongoing	Dr Rohit Khann Dr Giridhar Ms Asha Latha	LVPEI	Ongoing at Paloncha, Khammam district. No. of subjects interviewed as on 31 <sup>st</sup> March: 186
<b>INITIATIVES FOR CHILDREN</b>			
Children's Eye Health Initiative July 2007 - Ongoing	Ms Korani Jyothi Mr Jachin D Williams Ms S. Sheela Devi	Nimmagadda Foundation/LVPEI	Schools covered: 227, Teachers trained: 200 Children Screened: 31837 Referred for detailed eye examination: 2187 Outpatients screened: 49106 Surgeries performed: 4171 Spectacles prescribed & dispensed: 187 <b>0-5 years children's screening</b> Screening programs: 87 Anganwadi teachers trained: 84 Anganwadi schoolchildren screened: 2170 Identified with eye problems: 54
Sight for Kids (1 year)	Mr Jachin D Williams Mr M. Veeru Mr N. Surender Reddy Mr M. Shankar	Lions Clubs International Foundation, USA	Schools Covered: 221, Teachers trained: 28 Children screened: 27691 Spectacles prescribed and dispensed: 313 Referred for treatment: 97
<b>EMPOWERING RURAL COMMUNITIES</b>			
Essilor – LVPEI Mobile Refraction Screening Program March 2013 - Ongoing	Mr Jachin D Williams Mr Vasu Babu Mr Papaiah	Essilor, India	Population screened: 10,446 Spectacles prescribed & dispensed: 2141 Examined at secondary centre: 1984
Community Linked Integrated Project (CLIP) June 2011 - Ongoing	Dr Suresh Kuruganti Mr Jachin D Williams Mr Franklin Daniel, OEU Ms Retty George, OEU	LVPEI/ Operation Eye Sight Universal, India	Villages covered: 31 Population screened: 3055 Spectacles Prescribed & dispensed: 1765 Operated for cataract & other causes: 174 Vision Health Committees formed: 15
Photovoice - activity to encourage participative action to address social and environmental issues for community development January 2012 - March 2014	Dr Padmaja Kumari Rani Mr Jachin D Williams Ms Korani Jyothi	LVPEI/Univesity of California, Berkeley School of Optometry	Completed in Thoodukurthy, Mahaboobnagar district No. of staff trained: 14 No. of group members trained: 45 No. of photovoice sessions: 12
Sunetra Programme (Hospital Based Community Eye care Programme) July 2013 - Ongoing	Dr Rahul Dongardive Mr Jachin David Williams Ms Retty George, OEU Mr Franklin Daniel, OEU	LVPEI	Ongoing in Gudavalli, Guntur district, Andhra Pradesh and Bellary, Karnataka. Villages covered: 62 Population covered: 181,942 Eye Problems identified: 14,098 Examined at Secondary centre: 2028 Surgeries Performed: 612
<b>DIABETIC RETINOPATHY</b>			
Capacity building program to address diabetes and diabetic retinopathy in Prakasam district September 2008 - Ongoing	Dr Padmaja Kumari Rani Ms S. Sheela Devi	World Diabetes Foundation, Denmark	Known diabetics, received diabetes care: 8496, Eye screening for diabetics: 11,935 Diabetics received eye treatment: 1925
Alcon-LVPEI diabetic retinopathy screening at primary eye care in rural India December 2012 - Ongoing	Dr Padmaja Kumari Rani Ms S. Sheela Devi	Optometry Giving Sight, UK	Vision Health Guardians: 25 Diabetics screened through fundus camera: 7136, Diabetic Retinopathy cases identified (fundus images): 895 Diabetic Retinopathy screening programs organised: 263
Integration of general health and eye screening at vision centre March 2013 - Ongoing	Dr Padmaja Kumari Rani Ms S. Sheela Devi	Vision CRC, Australia	Vision centres: 17 People screened for diabetes: 623 People screened for hypertension: 6056

# National Collaborating Centres



# At the base of the pyramid

## Shaik Khajavalli regains his sight

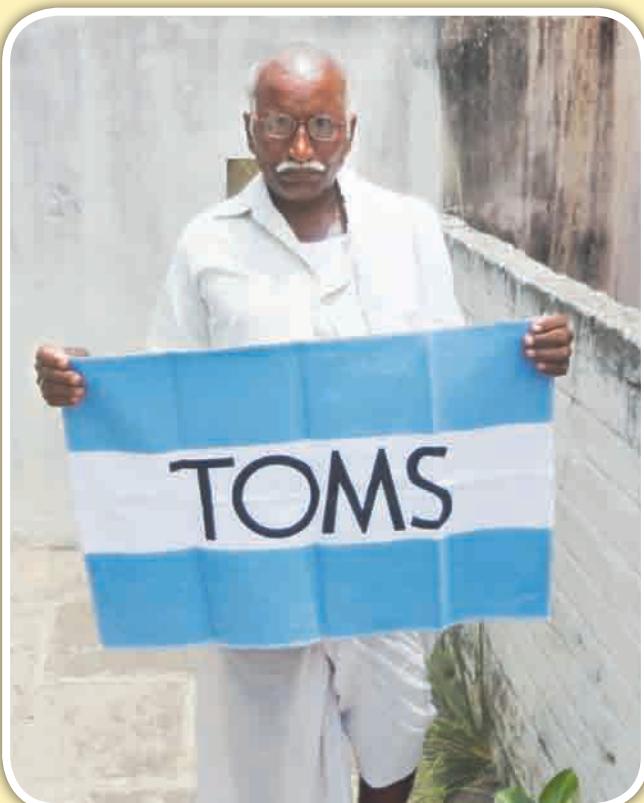
Shaik Khajavalli, 70, lives off the alms of passersby at the Donakonda railway station. He had total cataract in both his eyes and the going had been hard on him. During an LVPEI community screening program at Donakonda village near the railway station, the team identified and counseled him about his eye problem. Though hesitant to begin with, he turned up at the secondary centre at Markapuram on 16 April 2014.

Dr Shreyas examined him at the secondary centre and diagnosed total cataract in both the eyes. He was advised surgery but was unwilling as he did not have any family members to take care of him post surgery. He was ready to leave the hospital without surgery. As he ambled to the main door, taking his own time to find his way, the administrator Mr Vijay caught up with him and again explained the need for him to address his problem. After the counseling, he agreed and underwent surgery in the right eye on 17 April 2014. Post surgery and improvement in his vision, he is very happy with the outcome and thankful to the doctors and staff of LVPEI. Now he is able to walk and carry out all his activities independently.



## TOMS program beneficiary thanks LVPEI

The TOMS program is a one-for-one service grant facilitated through the SEVA Foundation, USA, that provides support for additional services for surgical care, glasses and medical treatment to all those in need. These quality services are provided free of cost. This is a story of one of the beneficiaries of the TOMS program.



Vallabhaneni Subbarao, 64, from Vali Veru Village, Chunduru Mandal, Guntur district is a retired illiterate agricultural labourer. He had been unable to see the road clearly and had difficulty walking and bringing water from the bore well, which is about 20 meters away from his house. He had been suffering from poor vision for the past 7 years. He did not have the money to go to a hospital and get spectacles. He had lost his wife and his children were settled in Guntur. Unfortunately they were not taking care of him. Owing to his poor vision, he was completely dependent on his neighbours for food and to bring him water from the nearby borewell. But now having been given spectacles on 11 March 2014 under the TOMS program, he is able to see clearly and is fetching his water independently and walking on the road without any difficulty. He is also performing his daily chores without any assistance. He and his neighbours are very happy and are thankful to LVPEI and the TOMS project for identifying his problem and providing spectacles free of cost.

# Education

The year 2013-14 has been a year of great achievements and innovations for the Education Centre.

To improve the quality and reach of our education programs across the country and make them world class it has been decided to establish an Academy of Eye Care Education with all Education centers at different campuses coming under its fold. The Academy of Eye Care Education will be the apex body for education and training of all cadres of Eye Care professionals.

## The Academy of Eye Care Education encompasses:

- 1) Mark Nathaniel Thadikonda and Vijayamma Nannepaga Centre for Eye Care Education, Hyderabad
- 2) Ramachandra Pararajasegaram Community Eye Health Education Centre, GPR ICARE, Hyderabad
- 3) Bausch & Lomb School of Optometry, GPR Campus, Hyderabad
- 4) Pathak Centre for Eye Care Education, Bhubaneswar campus, Bhubaneswar
- 5) Pathak Centre for Eye Care Education, GMR Varalakshmi campus, Visakhapatnam

The testimony to quality of our educational programs is that we have signed several MOUs with international organizations like World Health Organization (WHO), The Royal Australian and New Zealand College of Ophthalmologists (RANZCO), European School for Advanced Studies in Ophthalmology (ESASO), The Queen Elizabeth Diamond Jubilee Trust (QEDJ) for training of Ophthalmologist from both the developed and developing countries.

We are also happy to inform that LVPEI's Bausch & Lomb School of Optometry (BLSO) was adjudged as 'Best Optometry Institute' in India at the Vision Plus awards ceremony by Four Plus Media and another feather in our cap has been the Vision Technician training program of BLSO being judged to be in compliance with the established standards of the International Joint Commission on Allied Health Personnel in Ophthalmology.

The longest successfully running contact lens program (ICLEP) which is held in collaboration with Bausch + Lomb celebrated its Golden Jubilee this year. Over the years, several eye care practitioners have been trained and certified under this program and are very successful today.

Other notable achievements during the year were Dr Gullapalli N Rao, Founder-Chair, Distinguished Chair of Eye Health, LVPEI, being unanimously elected as the President of the Academia Ophthalmological Internationalis (AOI) for a four year term. The Academia is a 73-member body, which represents eminent academicians and professors in ophthalmology from all the premier universities of the world. Dr Rao is the first non-university member ever to be elected President of this body. He is also the first from outside the US, Europe and Japan.

Dr Prashant Garg, Director Education has been appointed as the Co-Chair for the Curricula Subcommittee on Allied Eye Care Training of the International Council of Ophthalmology (ICO).



# GRADUATION DAY



moments of the graduates during their training. A farewell dinner was organized the same evening accompanied by loads of music and dance.

## Ophthalmology Fellows and DNB Residents

The graduation of 15 Long Term Ophthalmology Fellows, 4 DNB Residents and 11 Short Term Ophthalmology Fellows this session on June 29, 2013 was a celebratory affair. The morning session was dedicated to distribution of certificates complimented by video sessions sharing nostalgic



## Ophthalmology Fellows

The graduation of 15 Long Term Ophthalmology fellows was celebrated on December 27, 2013. The morning session had distribution of certificates complimented by video sessions sharing nostalgic moments of the graduates during their training at LVPEI. A farewell dinner party was organized the same evening accompanied by dance and music.

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## Comprehensive Optometry Fellows

The graduation ceremony of the 2012–13 batch of comprehensive optometry fellows was on 31<sup>st</sup> August 2013. The fellows had rotated through all the optometry and ophthalmology departments during their 13-month tenure at the Hyderabad campus.



## Community Eye Health Education



The graduation ceremony of Ramachandra Pararajasegaram Community Eye Health Education Centre was on 17 December 2013.

Apart from Dr. Ramachandra Pararajasegaram who delivered the keynote address highlighting the importance of community eye health professionals, the program included messages by Mr. Kasinath Bhoosnurmuth on the collaboration between LVPEI and Operation Eyesight Universal - India, and Dr. Isabelle Jalbert on the collaboration between LVPEI and the University of New South Wales.



23 students graduated on this occasion - 3 in Diploma in Community Eye Health, 11 in Diploma in Eye Health Management and 9 in Program Management and Evaluation.

## Mark Nathaniel Thadikonda & Vijayamma Nannepaga Centre for Eye Care Education

### India's First Ever Pure Refractive Surgery Meet

Refractive Surgery 360°, a two day event focusing solely on refractive surgery was held at HICC in Hyderabad, 17-18 August 2013. The unifying theme was to understand the science behind the art of refractive surgery and the direction it seems to be heading in. The meeting focused on



laser corneal surgery, machine technology, corneal topography, biomechanics, refractive correction of keratoconus, lens based refractive surgery and phakic IOLs. It had about 400 delegates, 33 speakers, 7 instruction courses, 26 case discussions and - on the sidelights - a much appreciated musical night.

### ICLEP Gold



The 50<sup>th</sup> Indian Contact Lens Education Program (ICLEP) was held from 7- 9 March 2014 at the Kallam Anji Reddy Campus of the Institute. Held in collaboration with Bausch + Lomb twice a year, this year's program was called ICLEP Gold as it marked the Golden Jubilee of the longest successfully running contact lens program.

The program had both international and national faculty, offering an amazing learning opportunity for both students and practitioners. Integral to the program were focused instruction courses and hands-on time with exposure to specialty lenses.

The learning experience was also enhanced with live demonstration of toric, RGP and specialty lenses for keratoconus along with multiple clinical scenarios and role-playing.

## Genetic Educators Workshop

A Genetic Educators workshop was conducted on 13 July 2013 at the Kallam Anji Reddy campus with eminent invited speakers from UPMC (University of Pittsburgh Medical Centre). Ms Jacqueline Hoover spoke on 'Genetic counseling and the importance of genetics in ophthalmology' and Dr. Ken Nischal spoke on 'Ocular surface issues in children'. The workshop was aimed at educating optometrists about genetic education for patients and also for educating patients about genetic diseases.

## EYE-PEP 2013



Eye-PEP (post-graduate education program) is an educational initiative by LVPEI, specifically aimed at final year residents in Ophthalmology. The 6-day program held 1-6 October 2013, had 240 delegates and included topics covering the spectrum of basic and clinical ophthalmology taught by experienced faculty who are masters in their field.

The curriculum was designed to help empower participants with the necessary skills, not only to get the best out of the post graduate training program but also provide guidance on how to become a complete and competent ophthalmologist.

The emphasis of the program was on comprehensive eye examination, appropriate use of investigations, analytical approach to diagnosis and evidence-based management. The program included didactic lectures on important topics followed by multiple case presentations.

The participants had the opportunity to have a personal interaction with the 'Eye-PEP icon' for 2013 Dr G Natchiar, Emeritus Director, Human Resource Development, Aravind Eye Care System, Madurai. The second woman ophthalmologist in India, Dr Natchiar has worn many hats with equal flair and distinction – Eye surgeon, Professor of ophthalmology and neuro-ophthalmology, Director of HRD, Vice-chairman, teacher and mentor par excellence, and above all, a great humanist much loved by her staff and students. She interacted with young post graduate students and spoke on 'Enjoying Neuro-Ophthalmology' which was well received by the audience.

The highlights of the program included grand rounds competition, quiz competition, breakfast with experts, instruction courses on diagnostic techniques and interpretation.



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## Glaucoma CME



As a follow-up to the Glaucoma Week Celebrations, a CME on 'Glaucoma: Basic & Masters Course' was held on March 16, 2014. The program was conceptualized for general ophthalmologists, practicing glaucoma specialists and postgraduates. Besides strengthening the basic concepts, the program focused on current trends in the diagnosis and management of glaucoma, treatment failures and management of complications. It was an interesting mix of didactic and interactive sessions, with a focus on audience interaction and participation. The program was networked on live video-link with all other centers. It was attended by approximately 200 delegates across the network.

## Retina and Uvea Preceptorship Program

A three-day Retina/Uvea Preceptorship program was conducted from 16-18 January 2014 in collaboration with Allergan India Pvt Ltd. A group of 7 Ophthalmologists from Malaysia attended this program. The program included Didactics, Ozurdex Wet lab training, Hands-on experience with Retinal diagnostic instrument and Live Surgery demonstrations.



## Ocular Surface Workshop on SLET and KPro

An Ocular Surface Workshop on SLET and KPro spanning over 5 days and including surgeries and clinics was organized from January 28 - February 1, 2014. The program pooled in Dr James Chodosh from Massachusetts Eye and Ear Infirmary, Boston, as guest faculty. The workshop was very well appreciated by the participants and alumni for its unique structure and learning.



## Annual Conference from University of Rochester

The annual conference at the University of Rochester was transmitted live to LVPEI on 21<sup>st</sup> and 22<sup>nd</sup> March 2014, with the two days dedicated to Retina and Glaucoma sub-specialty lectures.

## Workshop for OT Nurses and OT Technicians

A workshop was organized by LVPEI in partnership with Operation Eyesight Universal (OEU) for LVP-Secondary centres and OEU partner hospitals 13-14 July 2013 at KAR campus.

Of the 50 participants who attended, 26 were from OEU partner hospitals, while 24 were from LVP- Secondary centres. The workshop was appreciated by the participants for its hands on approach and excellent videos.

## Pathak Centre for Eye Care Education, Bhubaneswar

### CME on Paediatric Ophthalmology and Strabismus



LVPEI Bhubaneswar organized a CME on 'Paediatric Ophthalmology and Strabismus' on 30 June 2013 as part of the 5<sup>th</sup> anniversary celebrations of the Miriam Hyman Children's Eye Care Centre and the 7<sup>th</sup> anniversary of the Bhubaneswar campus.

A half day interactive session was also organized on Retinopathy of Prematurity (ROP) on the same day. This was chaired by Dr. Anand Vinekar, Head, Department of Paediatric Retina, Narayana Nethralaya, Bengaluru. The session was attended by 70 delegates including Pediatricians and Ophthalmologists of Odisha and nearby states.

## Postgraduate Refresher Course

LVPEI Bhubaneswar organized a Postgraduate Refresher course from 4-6 July 2012. This was attended by postgraduate students in ophthalmology from eastern India. The program on 6<sup>th</sup> July was a joint event related to the Pediatric Ophthalmology and Strabismus course for phthalmologists, postgraduate students and pediatricians.

## Pathak Centre for Eye Care Education, Visakhapatnam

### Looking Beyond the Eye-II

The interactive case discussion based CME 'Looking Beyond The Eye - II' held on July 7, 2013 was an opportunity to discuss on a common platform with various super-specialists the diagnostic and management issues that pertain to ocular diseases that have a systemic component. The meeting was a great success and was well appreciated by the participants. The CME had 75 delegates from across all campuses engaging in lively sessions with plenty of discussion for each case.



The Hostel and Guest House of the Pathak Education Centre were inaugurated by Mrs N. Madhavi on 7 July 2013, on the occasion of the 7<sup>th</sup> anniversary of the GMR Varalakshmi campus.



Mr. Naresh inaugurated the Auditorium, Library, Class room and Wet lab for the Pathak Education Centre.

## BAUSCH & LOMB SCHOOL OF OPTOMETRY

### BLSO Adjudged Best Optometry Institute in India

LVPEI's Bausch & Lomb School of Optometry (BLSO) was adjudged as the 'Best Optometry Institute' in India at the Vision Plus awards ceremony by Four Plus Media.



January 2014. Bausch & Lomb School of Optometry (BLSO) was short-listed in the 'Best Optometry Institute' category. The winners were announced during the VP awards ceremony on 9 March 2014.



### Ophthalmic Assistant Program Secures IJCAHPO Accreditation

LVPEI's Ophthalmic Assistant Program, the vision technician training program conducted by the institute's Bausch & Lomb School of Optometry, has been accredited by the International Joint Commission on Allied Health Personnel in Ophthalmology (IJCAHPO). The IJCAHPO accreditation is valid from June 2013 through May 2018.

## World Optometry Day

Bausch & Lomb School of Optometry (BLSO) celebrated World Optometry Day in style by organizing two events in the last week of March 2014. The first event was a community vision-screening program on 23<sup>rd</sup> March at the GPR campus, Hyderabad. A total of 72 patients underwent comprehensive eye examination, of whom 86% were given prescriptions for spectacles and 16% were diagnosed with cataract and other ocular ailments and referred to the Kallam Anji Reddy campus for further management.



BLSO also hosted the southern region's 'World Optometry Day 2014' celebrations 29-30 March at the GPR campus, Hyderabad. Six schools of Optometry from across South India including BLSO participated in the program. The two-day celebrations included talks from eminent academicians and private practitioners of optometry from within India (Mr. Kunal Shah and Mr. Nagesh Vuppala – private practitioners; Dr. Rishi Bharadwaj, senior academician), representatives of the regulatory bodies of Indian optometry (Ms. Lakshmi Shinde from Optometry Council of India, Dr. Ramesh Venkatasubbu from Association of Schools and Colleges of Optometry and Ms. Sailakshmi from India Vision Institute) and representatives from the senior management of LVPEI (Dr. G N Rao, Dr. Prashant Garg, Prof. Sai Prakash, Dr. Shrikant Bharadwaj and Mr. Vijay Kumar Yelagondula). These talks were intended to provide the required career counseling for the final year students and fellows of optometry. In addition there were several intercollegiate competitions like quiz, rangoli, pot painting and puzzle-solving. The program culminated with scintillating cultural programs from all the participating schools followed by prize distribution.

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## World Sight Day



On the occasion of World Sight Day (WSD), students of the Bausch and Lomb School of Optometry along with faculty participated in the vision screening program organized by ICARE in a slum at Rasoolpura, Hyderabad. 114 people were screened and 23 of them were prescribed glasses.

The students also participated in WSD celebrations organized by the University of Hyderabad (UoH) where they won prizes in the two events: winners in the Optometry Quiz (Bhagyalaxmi, Aparna and Hemanth) and best poster (Nandhini, Gunasree, Sushma, Ashwani, Gayatri, Parimala, Sudeshna).

## Program on Basic Eye Care Education

A three day program on 'Basic Eye Care Education' for Luxottica Pvt Ltd was conducted in the first week of February 2014. The program was very well appreciated by all the participants.

## Jhaveri Microbiology Centre's Workshop on Ocular Microbiology

The Jhaveri Microbiology Centre organized a workshop on 'Ocular Microbiology' on 21 November 2013 which was attended by 21 delegates from all over the country. Well known Ocular Microbiologist from Bascom Palmer Eye Institute, Miami, USA, Dr Darlene Miller, was among the faculty along with Dr Savitri Sharma, Dr Swapna Reddy, Dr Bhupesh Bagga and Dr Annie Mathai from LVPEI.





## Opticians Refresher Program

An Opticians' Refresher Program was held 20-21 December 2013. This was an initiative by LVPEI Opticals, with support from Seva Foundation. Opticians from LVPEI's Rural Vision Health Program and LVPEI's support hospitals participated in the program.

## APOC Instruction Course on ROP

Dr Padmaja K Rani was the chief instructor of an ROP instruction course at the Andhra Pradesh Ophthalmic Conference (APOC) 2013 held at Warangal. The course comprised an interactive discussion with ROP screening guidelines and children's eye care patient educational material being distributed to the participants. Co-instructors included Dr Tandava Krishna, Dr Satish Agraharam and Dr Divya Balakrishnan with Dr Subhadra Jalali being the moderator and panel discussant. The instruction course was titled "Right time + Right Management = Right sight in Retinopathy of Prematurity (ROP)". Dr Padmaja Rani, spoke on "Evidence based protocols for medical management of ROP" while Dr Divya Balakrishnan spoke on "Surgical management of ROP".



## Cornea CME and DSEK Surgery Workshop at Nagpur

Dr Somasheila Murthy and Dr Varsha Rathi gave invited lectures at a CME 'Captivating Cornea' organized by the Department of Ophthalmology, N.K.P Salve Institute of Medical Sciences (NKPSIMS), and Lata Mangeshkar Hospital (LMH). Dr Somasheila Murthy also performed Descemet's Stripping Endothelial Keratoplasty (DSEK) at the live surgery workshop on 19<sup>th</sup> May 2013.

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## Guest Lectures

LVPEI's linkages with institutions and organizations the world over helps in drawing upon an international resource base of senior consultants and experts in every field of eye care. The Global Leaders Lecture Series commenced four years ago to engage with learning and knowledge sharing on a global platform. The series brings the best minds in ophthalmology and vision sciences in interaction with the faculty, fellows and trainees at LVPEI's four campuses (Hyderabad, Bhubaneswar, Visakhapatnam and Vijayawada) through real-time videoconferencing. We were also privileged to host eminent researchers and change-makers from many walks of life who gave lectures and engaged in discussions with our faculty, fellows and a distinguished invited audience. To all these individuals who were so generous with their time and talent, we are very grateful.



**Mr Myshkin Ingawale**, CEO/ Janitor of Biosense Technologies, Mumbai, Maharashtra, delivered a talk on "Three Truths of Innovation: Lessons from the TouchBb and uChek creation journeys" (April 10, 2013).



**Prof Mark Willcox**, President of the International Society for Contact Lens Research and a member of the Medical &

Scientific Advisory Board of Tear Film and Ocular Surface Society delivered on "Corneal Infection: Clinical manifestation and genetics susceptibility" (May 22, 2013).



**Ariella R Dagi**, Lecturer at Massachusetts Institute of Technology's Sloan School of Management delivered a lecture on "Seeing the forest without missing the trees: aspirations towards comprehensive healthcare research" (May 29, 2013).



**Dr. Sunil Kumar Singh**, Precision Eye Centre delivered a talk on "The sceptic & the enthusiast" on (21st June 2013).



**Dr Anand Vinekar**, Head Pediatric Retina, Narayana Netralaya, Bangalore, delivered a lecture on "Spectral Domain Optical Coherence Tomography Imaging in Infants" (July 3, 2013).



**Dr Anil K Mandal,** Consultant ,Glaucoma Services, LVPEI, Hyderabad, gave a heartwarming talk on "150th Anniversary of Swami Vivekananda: Relevance today" (July 10, 2013).



**Dr Ken K Nischal**, Professor of Ophthalmology, University of Pittsburgh and Director of the UPMC Children's Eye Center, Children's Hospital, Pittsburgh and Chief of Pediatric Ophthalmology and Adult Motility made a Case based discussion on "Ocular surface issues in children" (July 10, 2013).



**Dr Jacqueline Hoover**, Genetic Counselor, Center of Children's Hospital, Pittsburgh, UPMC, delivered a talk on "Genetic Counseling and the importance of genetics in Ophthalmology" (July 13, 2013).



**Dr Sonia H Yoo**, Professor of Ophthalmology, Cornea and Refractive Surgery, Bascom Palmer Eye Institute, Miami, delivered a lecture on "Anterior Segment OCT for the Corneal and Refractive Surgeon" (August 14, 2013).



**Dr George Kymionis**, Varinoyannion Eye Institute of Crete, Greece, delivered a guest lecture on August 16, 2013.



**Dr Cameron F Parsa**, Associate Professor of Ophthalmology, Department of Ophthalmology and Visual Sciences, University of Wisconsin School of Medicine and Public Health delivered a lecture on "Thromboembolism and congenital malformations: from Duane syndrome to thalidomide embryopathy" (18 September 2013).



**Dr L S Varadharajan**, Associate Professor – Optometry, Department of Ophthalmology SRM Medical College Hospital and Research Center gave a guest lecture on "Amblyopia: Models and Modern Treatments" (23 September 2013).



**Dr Cameron F Parsa**, Associate Professor of Ophthalmology, Department of Ophthalmology and Visual Sciences, University of Wisconsin School of Medicine and Public Health delivered a lecture on "Cilioretinal vessels and vacant discs: what do they signify?" & "Amaurosis fugax" (24 September 2013).



**Prof Michael Hauser**, Professor of Medicine, Duke University Medical Center, Durham , NC, delivered a lecture on "The molecular basis of Glaucoma" (November 4, 2013).



**Dr V .Raghunathan**, CEO of GMR Varalakshmi Foundation, delivered a lecture on "Locks Mahabharata and Mathematics – An Applied Exercise in Lateral Thinking" (November 6, 2013).



**Dr Dipankar Ghosh**, Assistant Professor, Special Centre for Genomic Medicine, JNU, Delhi, delivered a talk on "Metabolomics for Eye Diseases" (December 3, 2013).



**Dr Vibha Biyani**, ex-registrar – Apollo Hospital, Hyderabad, delivered an enlightening talk on "Effective Living" (December 11, 2013).



**Mr Brian Lee**, CSP, CEO of Custom Learning Systmes Group LTD and North America's leading voice in the healthcare industry delivered a lecture on "20 most common mistakes hospitals make" (January 3, 2014).



**Dr. Haribabu Arthanari**, Lecturer in the Department of Biological Chemistry and Molecular Pharmacology (BCMP) Harvard Medical School, Boston, USA spoke on "Protein-Protein Interactions-The Holy Grail in Therapeutic Intervention" (January 8,2014).



**Dr David C. Gritz**, Associate Professor, Albert Einstein College of Medicine, NY, USA, delivered a lecture on "Herpes Zoster Ophthalmicus" (January 10, 2014).



**Prof James Chodosh**, Associate Director of the Cornea and Refractive Surgery Service, Massachusetts Eye and Ear Infirmary, Boston, MA, US, delivered a lecture on "HSV Keratitis" (January 29, 2014).



**Dr Pablo Artal**, Director of the Center for Research in Optics and Nanophysics at Murcia University, Spain, delivered a lecture on "New concepts of intraocular lenses" (February 04, 2014).



**Ms Maureen Guirdham**, Dean of the School of Business and Management at Westminster University, London, UK, delivered a lecture on "Patient-Doctor, Doctor-Patient Communication" (February 05, 2014).



**Dr Kanwal 'Ken' Nischal**, Professor of Ophthalmology, University of Pittsburgh Medical Center, Pittsburgh, PA, delivered a lecture on "Conundrums in Pediatric Ophthalmology and Strabismus" (February 10, 2014).



**Dr Hannah L. Scanga**, Certified Genetic Counselor and Low Vision Services Coordinator Department of Pediatric Ophthalmology, Strabismus, and Adult Motility Children's Hospital of Pittsburgh of UPMC – Pittsburgh, Pennsylvania, delivered a lecture on "Keys to Unlocking Family Health Histories" (February 10, 2014).



**Ms Megha Saraswat Sharma**, representing The Wellcome Trust /DBT India Alliance (Group), delivered a talk on "Fellowships for Clinicians and Public Health Researchers" (February 26, 2014).



**Mr Satish Seelam B E**, EGE Global Education Pvt. Ltd., delivered a talk on "Optimizing Mental Potential" (March 12, 2014).



**Prof. Vasudevan Lakshminarayanan**, visiting professor of physics and EECS at the University of Michigan, USA, delivered a talk on "International Year of Light and Photonics Initiatives" (March 18, 2014).

## Public Lecture



**Dr S. Shivaji**, Director-Grade-Scientist of CCMB delivered a lecture on "Modern Approaches to Conserving Wildlife" (July 25, 2013).

# Mark Nathaniel Thadikonda & Vijayamma Nannepaga Centre for Eye Care Education, Hyderabad, Trainees (2013 - 2014)

## Ophthalmology

### Cornea & Anterior Segment

Long Term Fellowships (National-24 months;  
International 15 months)

Shiji Ummar, Kerala

Jayesh Vazirani, Rajkot, Gujarat

S Arjun, Hyderabad

Aravind Roy, Odisha

Sujaya Singh, Malaysia

Swapnil Bhalekar, Pune, Maharashtra

Mitesh Jain, Mumbai, Maharashtra

### Short Term Fellowships (3 months)

Kripa Bubna, Mumbai, Maharashtra

Vivek Sharma, Assam Medical College, Assam

Mahesh Odeyar, Kolhapur, Maharashtra

### Observerships

Priya Sharma, Wills Eye Institute in Philadelphia, USA

J K Bansal, Lucknow, Uttar Pradesh

Sonia Sharma, Shroff's Charity Eye Hospital, New Delhi

Nidhi Gupta, Shroff's Charity Eye Hospital, New Delhi

Eliana Segrein, Dr Italian Hospital

Sankit Shah, Gujarat

Sachin Chinta, Atlenian School

Aziza Yasmeen, Hyderabad, Andhra Pradesh

Rakesh Maggon, New Delhi

Zubair Ansari, Lecanto, Florida

Srivalli kaza, Wavikar Eye Institute, Thane, Maharashtra

Poornima Surangi, Davangere, Karnataka

Surabhi Dutt, Shroff Charity Eye Hospital, New Delhi

Devesh Sharma, Shroff Charity Eye Hospital, New Delhi

### Glaucoma

Long Term Fellowships (National-24 months;  
International 15 months)

Avik Kumar Roy, Hoogly, West Bengal

Kumar Ravi, Deoghar, Jharkhand

Neema Daniel, Tanzania, Dar-es-salaam

Premanand C, Chennai, Tamil Nadu

### Short Term Fellowships(3 months)

Elok Rochmawati, Sumatera Eye Hospital, Medan, Indonesia

Shilpa Bhatnagar, Muscat, Oman

Mukesh Kumar, Moradabad, Uttar Pradesh

Arvind Rathod, Adilabad, Andhra Pradesh

### Observerships

Tina Damani, Indore, Madhya Pradesh

shashi Prasad, Pune, Maharashtra

Preeti Matah, Shroff's Charity Eye Hospital, New Delhi

Sarita Deshpande, Oa Brook, USA

Anugya Agrawal, Dr. Shroff's Charity Eye Hospital, New Delhi

Vasudha Damle, Bhopal, Madhya Pradesh

Anupa Mandava, Jamaica Hospital Medical Center/ NYMC Brooklyn & Queens

### Retina and Vitreous

Long Term Fellowships (National-24 months;  
International 15 months)

Sripathi Kamath B, Udupi, Karnataka

Deepa MJ, Udupi, Karnataka

Kopal Mittal, Meerut, Uttar Pradesh

Sameera Nayak, Odisha

Sanjoy Kumar Das, Dhaka, Bangladesh

Olubayo U Kolawole, Osogbo, Nigeria

Devendra V Venkatramani, Pune, Maharashtra

Aditya Sudhalkar, Baroda, Gujarat

### Short Term Fellowships (3 months)

Ajayi Iyiade Adeseye, College of Medicine, Ekiti State University

Rova Virgana, Cicendo Eye Hospital, Indonesia

### Observerships

Emad Elgemai, Egypt

Saad Ahmad, Michigan, USA

Sirisha K, NIMS, Hyderabad

Srinivas CH, NIMS, Hyderabad

Kishore Babu K V, NIMS, Hyderabad

### Pediatric Ophthalmology

Long Term Fellowships (National-24 months;

International 15 months)

Shailaja Tibrewal, Rourkela, Odisha

Vivek Warkad, Nasik, Maharashtra

Shilpa Sonarkhan, Ghaziabad, Uttar Pradesh

Adedayo Omobolanle Adio, Nigeria

Nazmul Haq Kallol, Bangladesh

### Short Term Fellowships (3 months)

Rashmi Apte, Bhopal, Madhya Pradesh

Mahendra Choudhri, Maharashtra

Quazi Iftekhar, Islamia Eye Hospital,

Bangladesh

### Observerships

Krishna Poojita V, Sankara Eye Centre, Coimbatore

Dharmesh Parbhoo, Durban, South Africa

Tanmayi Dhamankar Ghose, Shroff Charity Eye Hospital

Anjali Singh, Sitapur Eye Hospital, Azamgarh,

Uttar Pradesh

### Oculoplasty

Long Term Fellowships (National-24 months;

International 15 months)

Aditi Pujari, Solapur, Maharashtra

Jyoti Batra, New Delhi

### Short Term Fellowships (3 months)

Sydney Ejimadu, University of Port Harcourt Teaching, Nigeria

Melia Choudhury, Dhaka, Bangladesh

Sadia Sultana, Dhaka, Bangladesh

Rekha Sharma, Bangalore, Karnataka

Delfitri Lutfi, Dr. Soetomo General Hospital, Indonesia

### Observerships

Rajendra Chandrakant, Pawar, Mumbai

Mradula, Bangalore, Karnataka

Shubhangi Sathe, DM Wayanad Institute of Medical Sciences, Kerala

### Comprehensive Ophthalmology

Long Term Fellowships (National-24 months;

International 15 months)

Bhupesh Singh, Lucknow, Uttar Pradesh

Supriya Chinta, Hyderabad

Piyush Bansal, Pune, Maharashtra

Batriti Wallang, Shillong, Meghalaya

Rushmika Singla, Patna, Bihar

### DNB

#### Primary (36 months)

Maneck D Nicholson, Mumbai, Maharashtra

Priyanka V Gogte, Hyderabad

#### Secondary (24 months)

Riddhima Deshpande, Bhopal, Madhya Pradesh

Shail A Vasavada, Ahmedabad, Gujarat

Anuj Soni, Mumbai, Maharashtra

Nitin Ganesh, Bhagalpur, Bihar

### Retinopathy of Prematurity

Emad Elgemai, Egypt

Nazmun Nahar, Bangladesh

Kateryna Fedchuk, Kiev, Ukraine

Astasheva Irina, Russian State Medical University, Moscow

Roberta Carelli, University of Salerno, Italy Neha Sudhakar, Suseela Netralaya & Maternity Hospital, Kurnool

### Phacoemulsification Training

Festus Odunayo Abimbola Oshoba, Lagos, Nigeria

Vinita Reddy, Hyderabad, Andhra Pradesh

Sujata Patil, Kolhapur, Maharashtra Anabi Shahi, Hyderabad, Andhra Pradesh Chukwuemeka Nwanze, Massachusetts, United States

Jhansi, Andhra Pradesh

### SICS Training

Sue Ling Wan, Australia Bingya Mishra, Hyderabad, Andhra Pradesh

Rosie Dawkins, Australia Genevieve Oliver, National Eye Centre in Dili, Timor Leste

### ZEISS Training Program

Huda Farooq Tonse, Bangalore, Karnataka

Harsh J Shah, Ahmadabad, Gujarat

Shaurya Sharma, Amritsar, Punjab

Mohd Sunny, Jhansi, Uttar Pradesh

Indranil Saha, Cuttack, Bhubaneswar

M Satish Kumar, Guntur, Andhra Pradesh

Saurabh Jain, Bagalkot, Karnataka

Chintan Dedhia, Bhavnagar, Gujarat

Smita Panda, Cuttack, Odisha

Namrata Majhi, Cuttack, Bhubaneswar

Sunil Dattatray Zanik, Hingoli, Maharashtra

Sutapa Roy, Tumkur, Karnataka

Sravani Chava, Guntur, Andhra Pradesh

M Vivekanananda Reddy, Kakinada, Andhra Pradesh

Sweta Kondapaneni, Kurnool, Andhra Pradesh

Ruchi Vala, Sangareddy, Andhra Pradesh

Chakkwar Vinay Suresh, Pune, Maharashtra

Sasya Ravuri, Rangaraya Medical College, Kakinada, Andhra Pradesh

Ekta Patel, Gujarat

N V Annapurna, S.V.S.Medical College,

Mahaboobnagar, Andhra Pradesh

Nilotpal Saikia, Guwahati Medical College

Bhagaghar, Guwahati

Priyanka Datrik, Karimnagar, Andhra Pradesh

Bharathi K, Mahabubnagar, Andhra Pradesh

Anuja Desai, Vadodara, Gujarat

Sagarika Das, Guwahati, Assam

Daisy Rani Das, Guwahati, Assam

B Anusha, Guntur Medical college, Andhra Pradesh

Aruna Kumari Sajja, Guntur Medical college,

Andhra Pradesh

Pallabi Lodh, Guwahati Medical College & Hospital, Guwahati, Assam

Aysha Nazlin, B R Ambedkar Medical College, Bangalore, Karnataka

G Ravi Chandra, GSL Medical College,

Rajahmundry, Andhra Pradesh

Mukundraj D Jadhav, RIO, GMCH, Guwahati, Assam

Lapam Panda, Bhubaneshwar, Odisha

Anu Tandon, Lucknow, UP

Navya Konindala, Chitoor, Andhra Pradesh

Tulasi Priya, Karimnagar, Andhra Pradesh

Mahesh Mallireddy, Nellore, Andhra Pradesh

Vijaya Lakshmi, Hyderabad, Andhra Pradesh

Srujana Laghimsetty, Bangalore, Karnataka

## Clinical Rotations

Alex Manguikian, University of Rochester, USA  
 O'Rese Knight, Case Western Reserve University, Cleveland, OH, United States  
 Joseph Nezgoda, Case Western Reserve University, Cleveland, OH, United States  
 Amardeep Sigh, Copenhagen Uni Hospital, Denmark  
 Zhang, Xiaolin, University Hospitals, Case Medical Centre, Cleveland, OH  
 Marina Eisenberg, University Hospitals, Department of Ophthalmology, Cleveland  
 William G. Gensheimer, Ophthalmology Resident, Flauim Eye Institute, University of Rochester Medical Center

## Student Rotation

Dinesh G, NUS, Singapore  
 Nitya Devireddy, Hyderabad, Andhra Pradesh  
 Priyanka Kanakamedala, Indiana University School of Medicine in Indianapolis, Indiana

## Optometry

### BS Optometry

Sai Amrutha Valiveti, Nuzvid, Andhra Pradesh  
 Gannavarapu Rajesh, Hyderabad, Andhra Pradesh  
 Rishitha Mantena, West Godavari, Andhra Pradesh  
 John Michael, Kottayam, Kerala  
 Pratyusha R, Hyderabad, Andhra Pradesh  
 Suragani Raja, Kadapa, Andhra Pradesh  
 Mekountchou Koumbo Ingrid Ornella Yaounde, Cameroon  
 Tran Minh Anh, Hanoi City, Vietnam  
 S T Sabiha Tabassum, Anantapur, Andhra Pradesh

### Fellowship in Optometry

Soni Mourya, Lucknow  
 Sadiya Iram, Uttar Pradesh

## Others

G.M. Manaswi Reddy, Hyderabad, Andhra Pradesh  
 Parvathaneni Abhiroop, Hyderabad, Andhra Pradesh  
 K.V.N. Aishwarya Reddy, Hyderabad, Andhra Pradesh  
 Vaibhav Kumar, Hyderabad, Andhra Pradesh  
 Surya Nikhil R, Hyderabad, Andhra Pradesh  
 M Srividya, Hyderabad, Andhra Pradesh  
 Doshi Rahul, Hyderabad, Andhra Pradesh  
 Sanurag Reddy, Hyderabad, Andhra Pradesh  
 Memul Panchal, P D Hinduja Hospital, Mumbai, Maharashtra  
 Hardik Desai, Vadodara, Gujarat  
 Anand sungar, M. M. Joshi Eye Institute, Hubli

### Vision Technician Course

Seema Ashaji Shaikh, Narsinh Nagar, Maharashtra  
 Siddheshwar Vasant Shinde, Shivnagar,

## Rashmi Nautiya, West Bengal

Manisha Bhowmik, Tripura  
 Mahendra Singh, Uttar Pradesh  
 Rachel NA Demanya, Ghana  
 Anthony Kobla Kpetsey, Ghana  
 Pradiptha Bhattacharya, West Bengal  
 Agila Parandhaman, Kanchipuram, Tamil Nadu  
 R Aruna, Naktala, Kolkata  
 Shehla Sulaiman, Mysore, Karnataka  
 Chengkie Rochelly K Sangma, Goanang New Tura, Meghalaya  
 Ekta K Mehta, Malad (W), Mumbai  
 Nirajan Kumar Sah, Mahohari, Nepal  
 Manidipa Basak, Kolkata, West Bengal  
 Kiwan Preet Kaur, Shriganga Nagar, Rajasthan  
 Shakeel Ahmad, Zakir Nagar, New Delhi

## Fellowship in Low Vision (3 Months)

Kehinde-Aiyegoro Abimbola Oluwatosin, Nigeria  
 Kazi Kamaluddin, IEH, Dhaka, Bangladesh  
 Khawla Rashid ALSaidi, Sohar Hospital, Oman  
 Nandakumar TV, Kozhikode, Kerala

## Fellowship in Ocularistry

Mustafa Rashid, Pakistan (3 months)  
 Ankita Kumari Saha, Kishanganj, Bihar (12 months)  
 Kazi Kamal Uddin, Dhaka, Bangladesh

## Observership in Low Vision

Suman Aggarwal, New Delhi  
 Synroplin Syiemlieh, Shillong, Meghalaya  
 Agathanora Suna, Shillong, Meghalaya

## Observership

Ms Synroplin Syiemlieh, Meghalaya  
 Ms Agathanora Suna, Meghalaya

## Student Placements/Preceptorship

Ms Radhika Lal, UNSW, Australia  
 Mr Jason Chiem, UNSW, Australia  
 Ms Flora Ming yi Lo, UNSW, Australia  
 Ms Song Vu Vu, UNSW, Australia

## Ambajogi Road

Khandare Dnyaneshwar Shridharrao, Jalna, Maharashtra  
 Pyla Dhanunjaya Rao, Visakhapatnam, Andhra Pradesh  
 Pucha Lokeswari, Vajrapukotturee, Srikantham  
 Koppada Kanaka Maha Lakshmi, Visakhapatnam  
 Pedagadi Manisha, Visakhapatnam, Andhra Pradesh  
 Gara Kumari, Visakhapatnam, Andhra Pradesh  
 Vadla Bhaskar, Mahabubnagar, Andhra Pradesh  
 Chukka Shekhar, Mahabubnagar, Andhra Pradesh  
 Vinoju Lingeshwari, Mahabubnagar, Andhra Pradesh  
 Nakinamonni Ashwattama, Mahabubnagar, Andhra Pradesh  
 Borra Vedamani, Ranga Reddy, Andhra Pradesh  
 Vaddy Janardhan, Adilabad, Andhra Pradesh

## Ophthalmic Nurses

Celestina Nne Anucha, Uni of Port - Harcourt, Nigeria (short term)  
 G Jayantha, Hyderabad  
 K Jhansi Rani, Hyderabad  
 M Rama, Hyderabad  
 M Rekha, Hyderabad  
 P Deepika, Hyderabad  
 B Rohini, Hyderabad  
 Srishaila, Hyderabad  
 K Bhavani, Hyderabad  
 M Ramya, Hyderabad  
 J Anjamma, Hyderabad  
 Kavya, Hyderabad  
 K Swapna, Hyderabad  
 D Bhavani, Hyderabad  
 Tapaswani Mohapatra, Bhubaneshwar  
 Pushpanjali Behra, Bhubaneshwar  
 Gayatri Satpathy, Bhubaneshwar  
 Bhagya Lakshmi, Bhubaneshwar  
 Bishnu Priya Das, Bhubaneshwar  
 N Vasanthi, Visakhapatnam  
 Bhavana Sri, Vijayawada  
 Mahalaxmi, Vijayawada  
 G Srilatha, Hyderabad  
 A Jyothi, Hyderabad  
 Ratna Sri, Karamchedu  
 Satyavathi, Hyderabad  
 Soujanya, Hyderabad  
 Madhusmita Sahoo, Bhubaneshwar  
 Biswabandita Swain, Bhubaneshwar  
 Chinmayee Ojha, Bhubaneshwar  
 Banabasini Naik, Bhubaneshwar  
 Anupama Swain, Bhubaneshwar  
 Pravathee Sethy, Bhubaneshwar  
 Sumitra Rout, Bhubaneshwar

## Laboratory Technician

Astaram Bade, Kathmandu, Nepal

Neralla Anil Kumar, Adilabad, Andhra Pradesh  
 Wagmare Shesha Rao, Adilabad, Andhra Pradesh  
 Pothuganti Muralidas, Adilabad, Andhra Pradesh  
 Ure Vanitha, Nizamabad, Andhra Pradesh  
 Awadhuta Dattatri, Adilabad, Andhra Pradesh  
 Meena Premkumar, Ranga Reddy, Andhra Pradesh  
 Turaka Vennela, Guntur, Andhra Pradesh  
 Dharamasoth Padma, Khammam, Andhra Pradesh  
 Guguloth Manga, Khammam, Andhra Pradesh  
 Bukiya Umadevi, Khammam, Andhra Pradesh  
 Pasham Sindhura, Khammam, Andhra Pradesh  
 Amit Sharma, Jammu  
 Bongurala Manohar, Adilabad, Andhra Pradesh  
 Turugopu Sowjanya, Nidadavolu, Andhra Pradesh

## Glaucoma

Short Term Fellowships (3 months)  
 Binodini Patra, Warangal, Andhra Pradesh  
 Dakki Sherpa, Kathmandu, Nepal

## Phacoemulsification Training

Shayana Lamin, Shilong, Meghalaya (NPCB)  
 Muchai Gachago, Kenya  
 Abdul Quadir Ansari, Moradabad, UP (NPCB)  
 Yuduan Gao, China  
 Purnachandra Sahu, Odisha

## SICS Training

Yuduan Gao, China

## Internship in Optometry

Navin Kumar, Jharkhand  
 Sanjay Kumar Shah, Nepal  
 Dhirendra Kumar Shah, Nepal  
 Himanshu Kumar, Bihar  
 Abhishek, Utter Pradesh  
 Swet Kiran, Jharkhand

## Pathak Centre for Eye Care Education, Bhubaneswar Trainees (2013 - 2014)

### Cornea & Anterior Segment

Long Term Fellowship (24 months)  
 Yogesh Vadange, Mumbai, Maharashtra

### Retina and Vitreous

Long Term Fellowships (National-24 months;  
 International 15 months)  
 Neha Mohan, New Delhi  
 Short Term Fellowships (3 months)  
 Bassiey Febai, Nigeria  
 V V Rajvanth, Sanathanagar, AP

## Pathak Centre for Eye Care Education, Vishakapatnam, Trainees (2013 - 2014)

### Ophthalmology

#### Cornea & Anterior Segment

Divya C Vira, Mumbai, Maharashtra

#### Retina & Vitreous

Long Term Fellowships (National-24 months;  
International 15 months)

Animesh Jindal, Sangrur, Punjab

#### Comprehensive Ophthalmology

Nitin Mittal, Ludhiana, Punjab

#### Phacoemulsification Training

Avinash Sing Parimar, INHS Kalyani,  
Visakhapatnam

P S P Ravindra, Malaysia

#### SICS Training

Daniel Chau, Boston University, USA

### Others

#### Peripheral Rotation

Sabbella Nayana, GSL Medical College,  
Rajahmundry

Rajvanth V V, Hyderabad, Andhra Pradesh

Malati Lenka, LVPEI, Hyderabad

V Shanthi, Hyderabad, Andhra Pradesh

H Paravathi, Hyderabad, Andhra Pradesh

E Rani, Hyderabad, Andhra Pradesh

P Himabindu, Hyderabad, Andhra Pradesh

#### Optometry Internship

Trina Chowdhury, Ranchi, Jharkhand

Niranjan Kumar Sharan, Saptari, Nepal

Ashesh Acharya, Sunsari, Nepal

Birendra Mahat, Lumbini Zone, Nepal

Mohammed Musheeruddin, Nizamabad,

Andhra Pradesh

Merly Martin, Jaipur, Rajasthan

Ashish Shrivastava, Madhya Pradesh

#### Vision Technician Rotation

P.Manisha, Visakhapatnam, Andhra Pradesh

K.Kanaka mahalakshmi, Visakhapatnam,  
Andhra Pradesh

G.Kumari, Visakhapatnam, Andhra Pradesh

P.Lokeshwari, Vargapukotturu mandal,

Srikakulam

M.Bhagyasri, Visakhapatnam, Andhra Pradesh

P.Dhanunjaya Rao, Visakhapatnam, Andhra

Pradesh

Sameera Katayani, Vargapukotturu mandal,

Srikakulam

B Manohar, Adilabad, Andhra Pradesh

K Kanakamahalkshmi, Visakhapatnam, Andhra

Pradesh

P Lokeshwari, Visakhapatnam, Andhra Pradesh

P Dhanunjayarao, Visakhapatnam, Andhra

Pradesh

## Ramayamma International Eye Bank, Trainees (2013 - 2014)

#### Eye Bank Technician (Duration: 3 months)

Vikram Singh, Eye Bank Society of Rajasthan, Jaipur, Rajasthan

Vinay Kumar Sharma, Eye Bank Society of Rajasthan, Jaipur, Rajasthan

T. Lalhriattira, Mizoram Eye Bank, Mizoram

M. Naga Prasad, Ramayamma International Eye Bank, LVPEI, Hyderabad

Ajay Kumar Palsikar, M K International Eye Bank, Indore, Madhya Pradesh

Kamdev Jaiswal, MGM Eye Institute, Raipur, Chattisgarh

Prabhavish Bin, Siliguri Lions Eye Bank, Siliguri, Darjeeling

Kale Jaipal, Dr. K V Reddy Memorial Lions Eye Hospital, Bodhan, Andhra Pradesh

Shivam Mittal, M K International Eye Bank, Indore, Madhya Pradesh

Ramchandra Gurjar, Eye Bank Society of Rajasthan, Jaipur, Rajasthan

Manoj Singh Yadav, Natasha Eye Care & Research Centre, Pune, Maharashtra

Abymon Jacob, Eye Bank Association Kerala, Angamaly, Kerala

Laishram Nandakumar Singh, Shija Eye Bank, Imphal, Manipur

Kuldeep Singh, Eye Bank Society of Rajasthan, Jaipur, Rajasthan

Vinod Sharma, Dr. Rajendra Prasad Govt. Medical College, Kangra, Himachal Pradesh

Anand A Gaikwad, Rotary Club of Borivali Charitable Trust Eye Bank, Mumbai

#### Eye Donation Counsellor (Duration: 10 days)

Navajit Deb, Lions International Eye Bank, Bangalore

Kiran I.S., Lions International Eye Bank, Bangalore

T. Satish, Ramayamma International Eye Bank, LVPEI, Hyderabad

Sai Srikanth, Ramayamma International Eye Bank, LVPEI, Hyderabad

Mithu Sarkar, Siliguri Lions Eye Bank, Siliguri, Darjeeling

K. V. Sudhakara Reddy, Lions International Eye Bank, Bangalore

Akshatha, Lions International Eye Bank, Bangalore

Samita Aryal Ghimire, Nepal Eye Bank, Kathmandu, Nepal

Ram Pyari Karki, Nepal Eye Bank, Kathmandu, Nepal

Pekala Bhavani, Mohsin Eye Bank, Visakhapatnam, Andhra Pradesh

Shail Kumar, National Eye Bank AIIMS, New Delhi

Shailendra Kumar Tripathi, Gurunanak Eye Centre, New Delhi

Tizita Firesenbet Woldgiorgis, Eye Bank of Ethiopia, Ethiopia

S. N. Girish, Lions International Eye Bank, Bangalore

Suraj Gautam, Nepal Eye Bank, Kathmandu, Nepal

Shova Karki, Nepal Eye Bank, Kathmandu, Nepal

Sundar Mahat, Nepal Eye Bank, Kathmandu, Nepal

S. Lakshmi Kumari, Mohsin Eye Bank, Visakhapatnam, Andhra Pradesh

Sanjiv Saighal, Dr. Shroff's Charity Eye Hospital, New Delhi

Roshan Singh, All India Institute of Medical Sciences (AIIMS), New Delhi

Shubhi Sood, SightLife Office, New Delhi

#### Eye Bank Manager / Observers (Duration: 1 week)

Akhil Jain, Ratan Jyothi Netralaya, Gwalior, Madhya Pradesh

Md. Khalid, Ratan Jyothi Netralaya, Gwalior, Madhya Pradesh

L. Amalaraj D'Souza, Prabha Eye Clinic & Research Centre, Bangalore

## Ramachandra Pararajasegaram Community Eye Health Education Centre, Trainees (2013 - 2014)

#### Observation

(1 April , 2013 – 30 June, 2013)

Kedar Bhavsahab Eknath, D S Karad Eye Centre, Latur, Maharashtra

#### Workshop on Capacity Building of Community Eye Health Coordinators (6-8 May, 2013)

Gibi Joseph, Assumption Hospital, Kerala

Bhanumurthy Katakam, Tezpur Eye Hospital, Tezpur, Assam

Ratna Goel, C L Gupta Eye Institute, Moradabad, U.P

Gaurav Kumar Saxena, C L Gupta Eye Institute, Moradabad, U.P

Parsi Naidu Parisarla, Arogyavaram Eye Hospital, Sompeta, Srikakulam Dist

Mohd. Abdul Rahath, Sharat Laser Eye Hospital, Hanamkonda, Warangal dist

Tamboli Asif M P, Udyagiri Lions Eye Hospital, Udgir, Latur Maharashtra

Srinivas Mamidipally, St. Gregories Balagram Eye Hospital, Yacharam, R R Dist

Probin Chamuah, Chandraprabha Eye Hospital, Jorhat, Assam

Sanjeeb Paul, Siliguri Greater Lions Eye Hospital

Jiji Varghese, St. Gregories Balagram Eye Hospital, Yacharam, R R Dist

Mohini Jeevanrao Salunke, D S Karad Eye Institute, Latur,

#### Maharashtra

Ashish S Ramdhane, D S Karad Eye Institute, Latur, Maharashtra

Gaikwad Maruti K, Udyagiri Lions Eye Hospital, Udgir, Latur, Maharashtra

Syed Samiul Hassan, Operation Eyesight Universal, Hyderabad

Rahul N Dongardive, Bhosle Gopal Rao Patel Eye Centre, Mudhole, Adilabad Dist

Amol Dilip Sonowane, Seshanna Chennawar Eye Centre, Adilabad

Jaide Sayareddy, Seshanna Chennawar Eye Centre, Adilabad

Rajesh Voosi, Swarna Bharat Eye Centre, Venkatachalam, Nellore dist

Vikay Koduru, Sudhakar & Sreekanth Ravi Eye Centre, Markapuram, Prakasam dist

Gopal Pulipati, Sudhakar & Sreekanth Ravi Eye Centre, Kandukuru, Prakasam dist

Ushakiran Bhatta, Nava Bharat Eye Centre, Paloncha, Khamma dist

V Sreenivasa, Y Mahabaleswarappa Memorial Eye Centre, Bellary

Y Mahabaleswarappa Memorial Eye Centre, Bellary, Karnataka (3 months) (8 May, 2013 – 1 August, 2013)

Shoba Kondepogu, Ophthalmic Nursing, Satyavani Nagar, Bellary

Annapurna G, Ophthalmic Nursing, Hunina Hadagali, Bellary

Dadamma T, Ophthalmic Nursing, Chitradurba, Bellary

**Navabharat Eye Centre, Paloncha, Khammam Dist (2 Weeks)**  
**(20 May, 2013 – 1 June, 2013)**

N Varaprasad, Optical Fitter – Trainee, *Kothagudem*  
Rakesh Kumar Yadla, Stores – Assistant – Trainee, *Paloncha* (11 June, 2013 – 31 December, 2013)

**Swarna Bharat Eye Centre, Venkatachalam, Nellore Dist (19-29 June, 2013)**

Rajesh Voosi, Coordinator, *Venkatachalam*  
Padma Yagani, Field Service Organizers, *Nellore*  
Venkateshwar Rao A, Filed Service Organizer, *Nellore*  
Jayalaxmi Kannadi, Filed Service Organizer, *Nellore*  
Venkataiah Yallasiri, Filed Service Organizer, *Nellore*  
Subramanyam Pallan, Filed Service Organizer, *Nellore*  
Chengaiah Mylari, Filed Service Organizer, *Kota*  
Saradha Batta, Filed Service Organizer, *Nellore*  
Priyanka Arara, Filed Service Organizer, *Nellore*

**Sudhakar & Sreekanth Eye Centre, Kadukuru, Prakasam district, Andhra Pradesh**

Gopal Pulipati, Junior Administrator, *Kadukuru*  
Rajeswari Pilli, Filed Service Organizer, *Kothapatnam*  
Mudavalji Jangili, Filed Service Organizer, *Kadukuru*  
Kotewaramma Vuit, Filed Service Organizer, *Kothapatnam*  
Theresa Bathula, Filed Service Organizer, *Kothapatnam*  
Nagamani P, Filed Service Organizer, *Kothapatnam*

**Dr. Kommareddy Raja Ram Mohan Rao Eye Centre, Gudavalli Village, Cherukupalli Mandal, Guntur Dist, Andhra Pradesh**

Ramesh Daggumati, Junior Administrator, *Tanguturu*  
Sarala D, Filed Service Organizer, *Gullapalli*  
Sandhya Rani Kaggia, Filed Service Organizer, *Guntur*  
Ravi Babu Peravali, Filed Service Organizer, *Guntur*  
Venkateswara Reddy A, Filed Service Organizer, *Cherukupally*  
Subhashini T, Filed Service Organizer, *Vemuru*

**Workshop for OT Nurses and OT Technicians on 13 & 14 July, 2013**

Bhosle Gopal Rao Patel Eye Centre, *Mudhole, Adilabad dist*  
Shankar Korva, Operation Theater Technician, *Mudhole*  
Karuna Kothmire, Operation Theater Nurse, *Mudhole*

**Kuchakulla Ramachandra Reddy Eye Centre, Thoodukurthy, Mahaboobnagar**

Anjaneyulu S, Operation Theater Technician, *Thoodukurthy*

**Venkata Lakshmi Eye Centre, Karamchedu Prakasam Dist, Andhra Pradesh**

Suresh B, Operation Theater Technician, *Karamchedu*  
Usha K, Operation Theater Nurse, *Karamchedu*

**Seshanna Chennawar Eye Centre, Adilabad, Andhra Pradesh**

Praveen Adepu, Operation Technician, *Adilabad*  
Aruna G, Operation Theater Nurse, *Adilabad*

**Siloam Eye Centre, Madanapally, Chittor Dist, Andhra Pradesh**

Bharathi S, Operation Technician In charge, *Madanapally*  
D Munilakshmi, Operation Technician, *Madanapally*

**Swarna Bharat Eye Centre, Venkatachalam, Nellore Dist**

Ratna Sri P, Operation Technician Sister, *Nellore*  
Raghava Raidu P, Operation Technician, *Pemmareddy Palem*

**Sudhakar & Sreekanth Eye Centre, Markapuram, Prakasam district, Andhra Pradesh**

Brahma Naik Bilvath, Operation Technician, *Markapuram*  
Santha Kumari S, Operation Theater Nurse, *Markapuram*

**Sudhakar & Sreekanth Eye Centre, Kadukuru, Prakasam district, Andhra Pradesh**

Ch. Ramakrishna, Operation Technician, *Kadukuru*  
Anitha Tatipally, Operation Theater Nurse, *Kadukuru*

**Navabharat Eye Centre, Paloncha, Khammam Dist**

Ravi Kumar M, Operation Technician, *Khammam*  
Kalyani Ch, Operation Theater Nurse, *Paloncha*  
Kommareddy Raja Ram Mohan Rao Eye Centre, *Gudavalli Village, Cherukupalli mandal, Guntur dist, Andhra Pradesh*  
Dilip Kumar M, Operation Technician, *Cherukupally*  
Sailaja K, Operation Theater Nurse, *Amruthaluru*

**Y. Mahabaleshwarappa Memorial Eye Centre, Bellary, Karnataka**

Shoba Kondepogu, Ophthalmic Nursing, *Satyavani Nagar, Bellary*  
Annapurna G, Ophthalmic Nursing, *Hunina Hadagali, Bellary*  
Dadamma T, Ophthalmic Nursing, *Chitradurba, Bellary*

**C L Gupta Eye Institute, Moradabad, U.P**

Pushpender Kumar, Operation Theater Supervisor, *Moradabad*  
Satveer Singh, Operation Technician, *Moradabad*  
Devendra Kumar, AV Technician as CAVU, *Moradabad* 1-31 Mar 14

**D S Karad Eye Centre, Latur, Maharashtra**

Lata Manik Gawali, Operation Theater Nurse, *Yakatpur*  
Anusaya Pandu Kadam, Operation Theater Nurse, *Fattepur*

**Arogavaram Eye Hospital, Sompeta, Srikakulam Dist, Andhra Pradesh**

Michael David, Operation Theater – Technician, *Sompeta*  
Neena David, Operation Theater – Nurse, *Sompeta*  
P Ganesh, Operation Theater – Technician, *Sompeta*

**Sewa Sadan Eye Hospital, Bhopal, Madhya Pradesh**

Chandru Udasi, Operation Theater – Technician, *Bhopal*  
Revashankar Banke, Operation Theater – Technician, *Laxman Nagar*

**St. Gregorios Balagram Eye Hospital, Nirmalgi, Yacharam, Ranga Reddy Dist**

Nagesh Devarakonda, Operation Technician – Technician, *Chintapatla*  
Ramulu Raghulu, Operation Technician – Technician, *Chintapatla*

**J L R M Eye Hospital, Kanpur**

Deepankar Yadav, Operation Technician – Technician, *Kanpur*  
Ramesh Kumar, Operation Technician – Technician, *Nawabgunj*

**Udaygiri Lions Eye Hospital, Udgir, Maharashtra**

Nishingandha Dhumale V, Operation Theater – Nurse, Civil Hospital, *Udgir*  
Karishma N Wajiee, Operation Theater – Nurse, *Udgir*

**Siliguri Greater Lions Eye Hospital, Siliguri, West Bengal**

Dilip Roy, Autoclave Operator – Technician, *Hudirapally*  
Pampi Biswas, Operation Theater – Nurse, *Rajgunj*

**Khairabad Eye Hospital, Kanpur**

Vilish Tripathi, Optometrist, *Kanpur*  
Jyoti Prabha, Optometrist, *Ganga Rampur*

**Chandra Prabha Eye Hospital, K K Handique Path, Jorhat, Assam**

Krishnamoni Nath, Vision Technician, *Malow-Ali*  
Sandra Khongwir, Operation Theater – Nurse, *Malow-Ali*

**Velemegna Hospital, Bidar, Maharashtra**

Mohan P, Operation Theater – Incharge, *Bidar*  
Prakash J, Operation Theater – Technician, *Mangalpet*

**Sharat Laser Eye Hospital, Hanamakonda, Warangal, Andhra Pradesh**

Raddhika Manupati, Operation Theater – Assistant, *Hanamakonda*  
Rajeswari Garikapati, Operation Theater – Assistant, *Hanamakonda*

**Takhur Sitaram Seve Kendra, Malda**

Ila Ganguly, Operation Theater – Nurse, *Malda*  
Mousumi Das, Operation Theater – Nurse, *Malda*

**Sewa Sadan Eye Hospital, Bhopal, Madhya Pradesh**

Chandru Udasi, Operation Technician, *Bhopal*

## Community Eye Health and Community Based Rehabilitation (3 June, 2013 – 31 July, 2013)

**Bhosle Gopal Rao Patel Eye Centre, Mudhol, Adilabad Dist**

Shyam Shelke, Filed Service Organizer, *Mudhole*  
Baburao Sunkamble, Filed Service Organizer, *Mudhole*  
Rahul G, Filed Service Organizer, *Mudhole*  
Karuna Gaddam, Filed Service Organizer, *Mudhole*  
Prabhakar B, Filed Service Organizer, *Mudhole*  
Prakash J, Filed Service Organizer, *Mudhole*  
Bhojanna M, Filed Service Organizer, *Mudhole*

**Kuchakulla Ramachandra Reddy Eye Centre, Thoodukurthy, Mahaboobnagar Dist**

Navya Arpula, Filed Service Organizer, *Mudhole*

**Seshanna Chennawar Eye Centre, Adilabad, Andhra Pradesh**

Shivaji Kendre, Filed Service Organizer, *Adilabad*  
Vilas Lokhonde, Filed Service Organizer, *Adilabad*

Sudhakar & Sreekanth Eye Centre, Kandukuru, Prakasam district, Andhra Pradesh  
Suvarna Manikyam Kuraganti, Filed Service Organizer, Adilabad Eye Hospital, Siankaing, Mandalay Regional, (22-26, July 2013)  
Aye Aye Thwin, Training on Ophthalmology (Community Eye Health), Myanmar

Post-graduate Diploma in Eye Health Management (1 year) (1 August, 2013-31 July 2014)  
Mrudul P Phadke, Nagpur Maharashtra  
Dileep Kumar, Guntur, Andhra Pradesh  
Kuruguntla Nagaraju, Karamchedu, Prakasam dist  
T Suresh Kumar Rao, Bhubaneswar  
Bibhusita Samal, L V Prasad Eye Institute, Bhubaneswar  
Kothapally Raju, Kuchakulla Ramachandra Reddy Eye Centre, Thoodukurthy, Nagarkurnool  
Vikram Vishwambhar Kendre, D S Karad Eye Institute, Latur, Maharashtra

MCEH OPTM7005 Eye Health Economics Sustainability (12 August, 2013 - 13 October, 2013)  
Sahr Alguumizi, Saudi Arabia  
Kam Chun Ho, Hong Kong  
Stephanie Looi, Australia  
Robyn Price, Australia

MCEH OPTM 7006 Eye Care Programme Management (12 August, 2013 - 13 October, 2013)  
Stian Chan, Norway  
Yi-Hsuan Kuo, Taiwan  
Robyn Price, Australia

C L Gupta Eye Institute, Moradabad, U.P (1 October, 2013 - 31 March, 2014)  
Sagar, Optical Technician – Trainee, Moradabad

Chandra Prabha Eye Hospital, KK Handique Path, Jorhat, Assam  
Swadhin Tamuli, Microbiology Technician, 3 months  
(1 November, 2013 - 31 January, 2014)

Nepal Red Cross Community Eye Care Centre, Nepal Gunj, Nepal (Observer)  
Satish Dahal, Senior Ophthalmologist, 1 week 6 - 12 December, 2013  
Ghan Bahadur Thaps, Senior Ophthalmic Officer, 1 Week 6 - 12 December, 2013

Certificate Course in Program Management and Evaluation (2 weeks) (1-15 December, 2013)  
Sridhar Reddy Reguri, Sharath Laser Eye Hospital, Warangal, AP  
Ashok Mahadev Dhanger, Community Eye Care Foundation, Pune  
Rupesh Kumar Singh, Nava Bharat Samaj Kalyan Samitte, Uttar Pradesh  
Veerendra Patil, Dr. Salins eye hospital Velemegna Goodnews Society, Bidar, Karnataka  
Jadu Das, Sri Sankaradva Nethralaya, Guwahati, Assam  
Nivedita Singh Chauhan, Dr. Jawaharlal Rohaigi Eye Hospital, Kanpur, Uttar Pradesh  
Ashif Tamboli, Udaygiri Lions Eye Hospital, Udgir, Maharashtra  
Sudhir Shrestha, Tilganga Institute of Ophthalmology, Hetauda, Nepal

Diploma in Community Eye Health 2014 (January – June 2014)

Muhammad Hafiz Fizwan Bin Abdullah  
Ministry of Health, Malaysia  
Gokarna Prasad Bhatta, Geta Eye Hospital, Nepal  
Shyam Shrestha, Dr. Ram Prasad Pokhrel Eye Hospital, Nepal  
Susan Nakarmi, Lumbini Eye Institute, Nepal  
G Jyothsna Devi, Community Health Nutritional Officer, Narsampet, Warangal, AP  
Mullapdudi Venkata Rayudu Eye Centre, Tanuku, West Godavari Dist, A.P. (1-13 January, 2013)  
B R Surya Narayana, Administrative fellow, 2 Weeks  
Y. Mahabaleshwarappa Memorial Eye Centre, Bellary, Karnataka (10 February, 2014 -10 August, 2014)  
M Ramanjaneyulu, Optical Technician – Trainee, Bellary  
L V Prasad Eye Institute, Patia, Bhubaneswar, Odisha  
(3 February, 2014 - 31 July, 2014)  
Kulwant Baa, Community Coordinator – Trainee, 6 Months

## Patient Counsellor Refresher Program (14 & 15 March, 2014)

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Sharath Laser Eye Hospital, Warangal  
Vijitha, Patient Care, Warangal  
A Shirisha, Patient Care, Warangal  
Thakur Sitaram Seva Kendra, Malda  
Somnath Singha, Patient Care, Malda  
Basudeb Malakar, Patient Care, Malda  
Arogyavaram Eye Hospital, Sompeta  
A. Bhavani, Patient Care, Sompeta, Bidar  
St. Gregorios Balagram Eye Hospital, Yacharam, Ranga Reddy Dist, Andhra Pradesh  
Jiji, Administrators, Yacharam  
D S Karad Eye Institute, Latur, Maharashtra  
Kedar B. E, Administrator, Latur  
C L Gupta Eye Institute, Moradabad, Uttar Pradesh  
Atul, Administrator, Moradabad  
ICARE, Noida  
Faraz Mirza, Administrator, Noida  
Bhosle Gopal Rao Patel Eye Centre, Mudhol, Adilabad Dist  
D Sandeep Rao, Junior Administrator, Mudhole  
Kuchakulla Ramachandra Reddy Eye Centre, Thoodukurthy, Mahaboobnagar Dist  
Devichandar Chowdry, Junior Administrator, Nagarkurnool  
Venkata Lakshmi Eye Centre, Karamchedu, Prakasam Dist, Andhra Pradesh  
V Vasu Babu, Asst. Administrator, Karamchedu  
Shaikshaheda, Junior Administrator, Karamchedu  
Seshanna Chennawar Eye Centre, Adilabad, Andhra Pradesh  
S Naresh Rao, Assistant Administrator, Adilabad  
T Ranjit Kumar, Junior Administrator, Adilabad  
Swarna Bharat Eye Centre, Venkatachalam, Nellore Dist  
D Ramesh, Junior Administrator, Ongole  
Sudhakar & Sreekanth Eye Centre, Markapuram, Prakasam district, Andhra Pradesh  
U Vijay Kumar, Junior Administrator, Medak

Sudhakar & Sreekanth Eye Centre, Kandukuru, Prakasam district, Andhra Pradesh  
A Venkat Rao, Junior Administrator, Hyderabad  
Navabharat Eye Centre, Paloncha, Khammam Dist  
Patlolla Balreddy, Assistant Administrator, Medak  
Dr. Kommarreddy Raja Ram Mohan Rao Eye Centre, Gudavalli Village, Cherukupalli Mandal, Guntur Dist, Andhra Pradesh  
Sivanaresh R, Junior Administrator, Krishna  
Y. Mahabaleshwarappa Memorial Eye Centre, Bellary, Karnataka  
Venkata Sagar, Assistant Administrator, Bellary  
Gullapalli Prathibha Rao International Centre for Advancement of Rural Eye Care  
B V Raghavulu, Administrator, Hyderabad  
Korani Jyothi, Asst. Public Health Specialists, Hyderabad  
Master in community Eye Health Online Students  
Stian Chan, Oslo (Norway), Introduction to CEH (17 March, 2014 - 17 May, 2014)  
Tzu-Yang Liu, Taichung (Taiwan), Introduction to CEH (17 March, 2014 - 17 May, 2014)  
Mohammed Almas Mari Saudi Arabia, Introduction to CEH (17 March, 2014 - 17 May, 2014)  
Mi Choi, Sydney (Australia), Introduction to CEH (17 March, 2014 - 17 May, 2014)  
Norlaili Arif, Kingsford (Australia), Introduction to CEH (17 March, 2014 - 17 May, 2014)  
Stian Chan, Oslo (Norway), Epidemiology of Blinding Eye Diseases (24 March, 2014 - 24 May, 2014)  
Robyn Price, Innisfail (Australia), Epidemiology of Blinding Eye Diseases (24 March, 2014 - 24 May, 2014)  
Elizabeth Wong, Sydney (Australia), Epidemiology of Blinding Eye Diseases (24 March, 2014 - 24 May, 2014)  
Ka Ho Chan, Hong Kong, Epidemiology of Blinding Eye Diseases (24 March, 2014 - 24 May, 2014)

## My LVPEI Experience

I applied to L V Prasad Eye Institute, India, having heard about the institute from Prof Bruce Spivey and Prof Marilyn Miller who had come to Nigeria. It was not an easy decision, but I had seen some of our Nigerian patients returning with excellent vision after cataract surgery, and I wanted to master the art and be a handy resource at home, so I soon settled down to life in India along with my family.

It was a wonderful experience in all aspects at LVPEI. As part of the program, I was taught to have a high sense of responsibility in handling patients and to discharge my duties with utmost care and precision. There is no room for error in the care of patients and every effort is strenuously directed to avoiding this. The one thing that stood out was the diligence and hardworking nature of the Indian people. No wonder, people come from far and near to access the quality health care.



At the same time, the staff members are able to write papers and publish them in peer reviewed international journals. I have been privileged to work with some of the world's best ophthalmic staff and listen to lectures on a daily basis to world experts who visit from time to time. Indeed I am glad I came to LVPEI. It has changed my perspective and has tremendously impacted my professional life.

**Dr Adedayo Omobolanle Adio**

Consultant Ophthalmologist and Senior Lecturer

University of Port Harcourt Teaching Hospital, Rivers State, Nigeria

(Trained as Long-term fellow, Pediatric Ophthalmology, Strabismus and Neuroophthalmology, 2013)

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## Trainee's Perseverance to Initiate Research

When Dr Prashant Garg and our cornea fellow Dr Archana Singh wanted to see how astigmatism in patients after cataract surgery contributed to their near vision (pseudo accommodation), I had my reservations, but Archana persisted. So we set out with our first study by engaging Veerendranath, Consultant Optometrist. This study turned out to be a major success and Archana was awarded a travel grant to attend and present her work at the annual Association for Research in Vision and Ophthalmology (ARVO) meeting in Florida, USA. Subsequently, this paper was published in the journal *Optometry and Vision Science*, the premier journal of the American Academy of Optometry. Even after Archana left LVPEI on completing her fellowship, my lab pursued with this research and we published two more papers on the same. We have also secured some more grant money towards this research. We hope to design a cost effective and accessible strategy for optimizing near vision for elderly patients.



**Dr. Shrikant R Bharadwaj**

Scientist Visual Optics & Psychophysics Laboratory  
Associate Director of Optometry

# Eye Research

Professor Brien Holden Eye Research Centre

The various components of the centre are:

- Champalimaud Translational Centre for Eye Research
- Kallam Anji Reddy Molecular Genetics Laboratory
- Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory
- Jhaveri Microbiology Centre & Saroja A Rao Immunology Laboratory
- Biochemistry Laboratory
- Ophthalmic Pathology Laboratory
- Clinical Research
- Vision Science Laboratories
- Allen Foster Community Eye Health Research Centre
- Srujana Innovation Centre

Almost 25 years ago, research at LVPEI started with a major support from Professor Brien Holden of the University of New South Wales, Sydney, Australia, to the Hyderabad Eye Research Foundation (HERF), which is the research arm of this Institute. The Brien Holden Eye Research Centre or BHERC has now bloomed into six arms - namely basic research (including genomics, proteomics, biochemistry, cell and stem cell biology, microbiology), translational research (stem cell therapy, clinical research and trials), vision physics (vision psychophysics, adaptive optics and instrumentation), low vision research (devices, vision enhancement methods, quality of life analysis), public health research (epidemiology, health economics), and innovation (with a dedicated centre called Srujana). Research at HERF is conducted by 18 basic researchers in collaboration with over 40 clinical colleagues, and is spread over the centres at Hyderabad, Bhubaneswar, Visakhapatnam and Vijayawada.



## Developments During the Year

The Department of Biotechnology, India, which had recognized us so far on a 'Programme Support' mode, has been satisfied with our progress and has upgraded us to a 'Centre of Excellence in Translational Research on Eye Diseases', and this support will be extended until end-2018. Under this umbrella, our colleagues have been involved in work in the areas of genetic epidemiology, retinopathy of prematurity, retinal disorders, and stem cell research and therapy, including the development and use of patient-specific induced pluripotent cells. During the year, we have added four more research scientists, involved in basic and translational research, both at the Hyderabad and Bhubaneswar campuses, and two more research scientists in the area of vision psychophysics and vision enhancement. With these additions, HERF becomes the lone eye research institute in the country to initiate and actively pursue basic and translational research in this area.

Our multidisciplinary clinical research is of international standards and is sponsored by Indian funding agencies and multinational companies from USA and France.

Our work in the area of public health is proceeding smoothly through the Gullapalli Pratibha Rao International Centre for the Advancement of Rural Eye care (GPR ICARE). Developments here are listed separately in a subsequent section.

As we plan for the next 25 years, research at the Institute aims to be "relevant, rigorous and cutting edge", and hopes to become one of the most productive eye research groups in the world. Towards this aim, six initiatives are on the way. These are: a new Academy for Eye Care Education, Child Sight Institute, Institute for Eye Care for the Elderly, Centre for Ocular Regeneration (CORE), Institute for Eye Cancer, and a Centre of Excellence in Eye Banking. Each one of these requires and involves a built-in programme of research.

Of particular importance and excitement is the start of SRUJANA (a Sanskrit term meaning creativity), our centre for innovation. This has come about through a bilateral programme between HERF and groups at the Massachusetts Institute of Technology (MIT), Cambridge, MA, USA. Groups of college students are invited to the Institute and start innovating on products that can be made in order to answer some of the felt needs as well as novel ones that can be used effectively. These ideas have converged into a centre of innovation, termed Srujana, a centre that is already up and running.

## Support and Recognition

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HERF, being recognized as a Scientific & Industrial Research Organization (SIRO) by the Government of India, applies for and receives many competitive research grants from Indian agencies as well as foreign ones. We have a total of 30 such grants being operated across our campuses, totaling an amount of Rs. 6.715 crores for the financial year 2013-2014 (details given elsewhere). Noteworthy among these are the grants we have received from the Wellcome Trust, UK, the Champalimaud Foundation of Lisbon, Portugal and the National Institutes of Health, USA.

Collaborative research is also being done with colleagues in Australia, Brazil, Japan, Netherlands, Portugal, Sweden, Tunisia and USA. HERF is one of the four pillars of the multinational research and development group called Vision Cooperative Research Centre (operating from Sydney, Australia), and conducts research on its behalf on a series of clinical studies, such as antibacterial contact lenses and corneal onlays.

## Clinical Research

LVPEI's multidisciplinary clinical research is of international standards and is sponsored by Indian funding agencies and multinational companies from across the world. The group conducts not only intramural clinical research, but also participates in multicentre clinical trials. Each clinical research project and trial goes through a rigorous examination by an independent Institutional Review Board (IRB), for its scientific and ethical aspects and only those that are approved are taken up. A list of clinical research projects currently being conducted at HERF is given later in the section.

## Champalimaud Translational Centre

The Champalimaud Translational Centre for Eye Research was set up at LVPEI in January 2008. The Champalimaud Foundation, based in Lisbon, Portugal, was set up on the bequest of the late Portuguese entrepreneur and philanthropist, António de Sommer Champalimaud. The Foundation has a long-term commitment to support medical research, in particular neurology, oncology and the vision sciences. The Champalimaud Foundation and

L V Prasad Eye Institute have agreed on the development of a vast program for translational research, through the establishment of the Champalimaud Translational Centre for Eye Research or C-TRACER.

#### *Research at C-TRACER focuses on the following areas:*

- Advanced molecular and functional genomics;
- Research and therapy through the utilization of stem cells in vision-related illnesses;
- Translational research utilizing existing and novel clinical methodologies for furthering the knowledge of vision in ways that can be readily applied to patients;
- Exchange programs involving scientists chosen by LVPEI and the Champalimaud Foundation;
- Introduction of capacity building programs for developing Lusophone countries such as Mozambique, Angola, Timor and others; and
- The organization of the Antonio Champalimaud Symposium on the first Sunday of February every year where leaders in ophthalmology from across the world, as well as distinguished scientists from India, are invited to lecture

### The Seventh Annual Champalimaud Research Symposium

The Seventh Annual Champalimaud research symposium on 2<sup>nd</sup>February 2014 featured a day-long scientific session with talks from in-house faculty and those invited from India and across the globe. The symposium was organized into seven streams reflecting the range of research activities pursued here at LVPEI. These included: Stem-cell biology, Genomics, Infections, Visual Psychophysics, Low Vision and Rehabilitation, Public health and Clinical research. The seventh annual Champalimaud speaker was Prof. Jayakrishna Ambati from the University of Kentucky College of Medicine. His talk was titled 'New insights into geographic atrophy'. Other invited speakers included Prof. Pablo Artal from the University of Murcia, Spain, Prof.

James Funderburgh from the University of Pittsburgh, USA, Dr. James Chodosh from the Massachusetts Eye and Ear Infirmary, USA, Prof. Vijayalakshmi Ravindranath from the Indian Institute of Science, Bangalore and Dr. Alladi Suvarna from the Nizam's Institute of Medical Sciences, Hyderabad. The symposium was also attended by Madame Leonor Beleza, President of the Champalimaud Foundation, Mr. Joao Botelho, Board member of the Champalimaud Foundation along with the faculty and fellows of LVPEI.



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# Hyderabad Eye Research Foundation

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Ophthalmologist, L V Prasad Eye Institute  
Hyderabad

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L V Prasad Eye Institute  
  
Dr Subhabrata Chakrabarti  
Scientist, L V Prasad Eye Institute  
Hyderabad

Dr Usha Raman  
Associate Professor and Head  
University of Hyderabad  
Hyderabad

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Hyderabad

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Kolkata

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SIMS Hospital  
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New Delhi

Dr Satish Kumar  
Centre for Cellular & Molecular Biology  
Hyderabad

Indumathi Mariappan  
Research Scientist, L V Prasad Eye Institute  
Hyderabad

Mahtab S Bamji  
Hon. Scientist, Dangoria Charitable Trust  
Hyderabad

# Other Developments

## Workshop on Multisensory Functions after Cataract Surgery

A workshop on multi-sensory functions after cataract surgery in children was conducted on the 24<sup>th</sup> October 2013. The program was supported by DFG (German Research Foundation) and HERF (Hyderabad Eye Research Foundation). Dr Brigitte Röder and her team from the University of Hamburg, Germany, discussed the results of collaborative research conducted thus far between LVPEI and the University of Hamburg over the last couple of years.



## First Ever Cheaper, Easier, Regenerative Treatment for Corneal Blindness

'Simplifying corneal surface regeneration using a biodegradable synthetic membrane and limbal tissue explants', a collaborative effort between LVPEI and the University of Sheffield, funded by the Wellcome Trust, was published in the journal 'Biomaterials' via an electronic version on April 15, 2013. The authors are Pallavi Deshpande, Charanya Ramachandran, Farshid Sefat, Indumathi Mariappan, Claire Johnson, Robert McKean, Melanie Hannah, Virender S Sangwan, Frederik Claeyssens, Anthony J Ryan and Sheila MacNeil. The publication announces a breakthrough cheaper technique to restore vision for blindness due to chemical burns.

## Jhaveri Microbiology Centre Organizes Workshop on Ocular Microbiology



The Jhaveri Microbiology Centre organized a workshop on 'Ocular Microbiology' on 21 November 2013 that was attended by 21 delegates from all over the country. Well known Ocular Microbiologist from Bascom Palmer Eye Institute, Miami, USA, Dr Darlene Miller, was among the faculty along with Dr Savitri Sharma, Dr Swapna Reddy, Dr Bhupesh Bagga and Dr Annie Mathai.

Various methods used for processing of corneal scrapings, vitreous/anterior chamber fluid and other ocular samples were demonstrated and correlation of clinical features, microscopic findings and culture was discussed. Latest techniques of bacterial identification, common

fungi causing ocular infections and molecular methods that are currently employed for the diagnosis of ocular infections including LAMP test were also discussed as part of the workshop.

## Induction of Research Fellows

The induction ceremony for the 2014 batch of research fellows was organized on 12 February 2014. The batch has 10 Project fellows, 3 Junior research fellows and 3 Post doctoral fellows. The program comprised introduction of the fellows to the clinical and research staff, a brief introduction on LVPEI's Mission and Vision by Dr Rao, messages from Alumni, an interactive breakfast session followed by a day-long orientation course on various aspects and services/ facilities offered at LVPEI. Another highlight of the ceremony was the launching of AUGMET-the research alumni association with 7 LVPEI alumni gracing the occasion. The ceremony ended with a quiz on LVPEI and a short cultural program by the research fellows.

# Research Projects

## Kallam Anji Reddy Molecular Genetics Laboratory

- Genomics of progression in age-related eye diseases: The Andhra Pradesh Eye Disease Study -III  
Investigators: Subhabrata Chakrabarti, Rohit Khanna, Ratnakar Tripathi, Srinivas Marmamula, Ashalatha, Seema Banerjee, Inderjeet Kaur, Gullapalli N Rao  
Support: Department of Biotechnology, India (Centre of Excellence grant)
- Identification of new genes in primary congenital glaucoma by exome sequencing  
Investigators: Subhabrata Chakrabarti, Meha Kabra, Anil K Mandal, Sirisha Senthil, Inderjeet Kaur, Michael Hauser, Rand Allingham  
Support: Indo-Australia Biotechnology Fund, Department of Biotechnology, India; National Eye Institute, NIH, USA
- Functional genomics of primary open angle glaucoma  
Investigators: Subhabrata Chakrabarti, Meha Kabra, Farheen Amman, Anil K Mandal, Sirisha Senthil, Harsha BL Rao, Garudadri Chandra Sekhar, Muralidhara Ramappa, Virender S Sangwan, Rohit C Khanna, Inderjeet Kaur  
Support: Department of Biotechnology, India
- Role of micro RNA (miRNA) in response to prostaglandin therapy in glaucoma  
Investigators: Subhabrata Chakrabarti, Ratnakar Tripathi, Harsha

BL Rao, Garudadri Chandra Sekhar, Uday Kumar Adeppali, Inderjeet Kaur, Rohit C Khanna  
Support: Department of Biotechnology, India

- Genetic and phenotypic comparison of primary congenital glaucoma in India and Brazil  
Investigators: Subhabrata Chakrabarti, Anil K Mandal, Ivan M Tavares<sup>1</sup>, Jose P C Vasconcellos<sup>2</sup>, Monica Mello<sup>2</sup>  
Support: Department of Science and Technology, India (Indo-Brazil collaborative program)
- Central India Eye and Medical Diseases Study  
Investigators: Subhabrata Chakrabarti, Jonas Jost<sup>3</sup>, Vinay Nangia<sup>4</sup>, Kollu N Rao, Meha Kabra, Inderjeet Kaur  
Support: University of Heidelberg, Germany
- Genetic comparison of primary congenital glaucoma in India and Tunisia – understanding the possible founder effects  
Investigators: Subhabrata Chakrabarti, Anil K Mandal, Guemira Fethi<sup>5</sup>, E A Mhd Ali<sup>6</sup>, Douik Hayet<sup>6</sup>, G Abderraouf<sup>7</sup>, Harzallah Latifa<sup>7</sup>, Jihene Bouassida<sup>7</sup>  
Support: Department of Science and Technology, India (Indo-Tunisia collaborative program)

<sup>1</sup>Vision Institute, Federal University of Sao Paolo, Brazil • <sup>2</sup> Campinas State University, Sao Paolo, Brazil • <sup>3</sup> University of Heidelberg, Manheim, Germany • <sup>4</sup> Suraj Eye Institute, Nagpur • <sup>5</sup> Institut Salah Azaiz, Tunis, Tunisia • <sup>6</sup> Service d'Ophthalmologie, Habib Thameur Hospital, Tunis, Tunisia • <sup>7</sup> Service de Biologie Clinique, Institut Salah Azaiz, Tunis, Tunisia

- Genetic susceptibility to contact lens-related adverse events  
Investigators: Subhabrata Chakrabarti, Nagaraju Konda<sup>3</sup>, Nerida Cole<sup>3</sup>, Inderjeet Kaur, Fiona Stapelton<sup>3</sup>, Mark Willcox<sup>3</sup>  
Support: School of Optometry and Vision Sciences, UNSW, Australia
- Genomics and proteomics of meibomian gland dysfunction  
Investigators: Subhabrata Chakrabarti, Ling Lee, Pravin Vadavalli, Qian Garrett, Eric Papas  
Support: Brien Holden Vision Institute, Sydney
- Molecular mechanism of pathogenesis of glaucoma caused by mutations in optineurin  
Investigators: D Balasubramanian, Ghanshyam Swarup<sup>2</sup>, Subhabrata Chakrabarti  
Support: Department of Biotechnology, India
- Identification of biomarkers for risk prediction and disease progression in Retinopathy of prematurity (ROP):

### a potentially blinding neonatal disorder

Investigators: Inderjeet Kaur, Sonika Rathi, Subhadra Jalali, T Ramakrishna Murthy<sup>2</sup>, Ramesha Kekunaya, Sonika Rathi, Shahana, Hameed, Subhabrata Chakrabarti, Ch Mohan Rao<sup>2</sup>  
Support: Department of Biotechnology, India

- Identification of genomic regions for the detection and prediction of high risk tumors in uveal melanoma  
Investigators: Inderjeet Kaur, Debdipta Das<sup>1</sup>, Santosh Honavar, Mhd Javed Ali, Subhabrata Chakrabarti, Partha P Majumder<sup>1</sup>  
Support: National Institute of Biomedical Genomics, Kalyani, India
- Genomics of familial exudative vitreoretinopathy  
Investigators: Inderjeet Kaur, Ganeswar Rao Musada, Hameed, Subhadra Jalali, Anupama Reddy, Pramod Reddy, Subhabrata Chakrabarti  
Support: Department of Biotechnology, India

<sup>1</sup>National Institute of Biomedical Genomics, Kalyani, West Bengal • <sup>2</sup>University of New South Wales, Australia • <sup>3</sup>Centre for Cellular and Molecular Biology

- Genetics of Lebers Congenital Amaurosis (LCA)  
Investigators: Chitra Kannabiran, Rachna Shukla, Lakshmi Palavalli, Subhadra Jalali  
Support: Champalimaud Foundation, Portugal, Department of Biotechnology, Govt of India

<sup>1</sup>Molecular Biophysics Unit, Indian Institute of Science, Bangalore • <sup>2</sup>Novartis Discoveries Pvt Ltd, Hyderabad 500073 • <sup>3</sup>University of Miami Miller School of Medicine, Miami, FL, USA

- Identification of genes causing autosomal recessive retinitis pigmentosa  
Investigators: Chitra Kannabiran, Subhadra Jalali  
Support: Champalimaud Foundation, Portugal, Department of Biotechnology, Govt of India.
- Molecular genetics of Stevens Johnson Syndrome  
Investigators: Chitra Kannabiran, Almas Shamaila, Virender Sangwan, Sayan Basu, Varsha Rathi, Mayumi Ueta and co-workers (Kyoto Prefectural University, Japan)  
Support: Dept of Science and Technology under the India -Japan Collaborative S&T program; Hyderabad Eye Research Foundation.
- Zebrafish models of retinal degeneration  
Investigators: Chitra Kannabiran, Almas Shamaila  
Support: Submitted to CSIR

Garima Agarwal, N. Srinivasan, Sushil Chandani, VenuTalla  
Support: Department of Biotechnology, India

- Structural integrity of the greek key supersecondary topology in the  $\beta$ -crystallins is vital for central lens transparency.  
Investigators: Venkata Pulla Rao Vendra, Garima Agarwal, Sushil Chandani, Venu Talla, Narayanaswamy Srinivasan and Dorairajan Balasubramanian  
Support: Department of Biotechnology, India

## Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory

- Development of a synthetic bio-degradable cell carrier membrane for the transplantation of cultured cells or freshly excised autologous tissue (limbal segments) for diseases of the cornea  
Investigators: Virender S Sangwan, D Balasubramanian, Sheila Macneil<sup>1</sup>, Indumathi Mariappan, Charanya Ramachandran  
Support: Wellcome Trust, United Kingdom
- Generation of disease specific induced pluripotent stem cells from dermal fibroblasts of patients with retinal dystrophy

## Biochemistry Laboratory

- Analysis of the molecular properties of mutant human  $\beta$ -crystallins associated with congenital cataract.  
Investigators: D. Balasubramanian, Venkata Pullarao Vendra,

- Investigators:** Indumathi Mariappan, Chitra Kannabiran, Subhadra Jalali, Milind Naik  
**Support:** Department of Biotechnology, India
- Derivation of retinal neurons from ciliary pigmented epithelium of the human eye  
**Investigators:** Indumathi Mariappan
  - Generating corneal endothelium from the trabecular meshwork stem cells  
**Investigators:** Charanya Ramachandran, D Balasubramanian, Virender S. Sangwan

<sup>1</sup>University of Sheffield, UK • <sup>2</sup>Biosckin-Rua Eng, Portugal • <sup>3</sup>University of Porto, Portugal

## Vision Science Laboratories

- The accommodative performance of the unioocular visual system  
**Investigators:** Shrikant R Bharadwaj, Geeta Sravani  
**Support:** Fast-Track Grant, Department of Science & Technology, Government of India
- Uncorrected astigmatism as a low-cost Strategy for improving unaided near vision after cataract surgery  
**Investigators:** Shrikant R Bharadwaj, Veerendranath Pesala, Prashant Garg  
**Support:** Ramalingaswami Fellowship, Department of Biotechnology, India, Hyderabad Eye Research Foundation
- Impact of refractive surgery for myopia on sensory visual performance.  
**Investigators:** Shrikant Bharadwaj, Samrat Sarkar and Pravin

- Support:** Department of Science and Technology, India
- Optimum concentration of mitomycin C to prevent fibrosis in Dacryocystorhinostomy  
**Investigators:** Charanya Ramachandran, Javed Ali, Vinay Kumar
  - Preservation and use of adult stem cells and the use of biomaterial scaffolds for clinical applications  
**Investigators:** Virender Sangwan, José Domingos dos Santos<sup>2</sup>, D Balasubramanian, Indumathi Mariappan, Lívia Santos<sup>2</sup>, Ascensão Lopes<sup>3</sup>, Ana Colette Mauricio<sup>1</sup>  
**Support:** Department of Science & Technology, India.

Krishna Vaddavalli  
**Support:** Zeiss Meditec

- Benefits of corneal transplantation in unilateral vision impairment  
**Investigators:** Shrikant Bharadwaj, Praveen Kumar Bandela and Prashant Garg  
**Support:** Hyderabad Eye Research Foundation
- Impact of higher order aberrations on stereo acuity in keratoconic eyes  
**Investigators:** Shrikant Bharadwaj, Nilagiri Vinay Kumar and Parthasarathi Kalaiselvan  
**Support:** Ramalingaswami Fellowship, Department of Biotechnology

## Ocular Microbiology Service, LVPEI Bhubaneswar & Jhaveri Microbiology Centre, LVPEI-KAR Campus, Hyderabad

- Investigation of epidemic kerato conjunctivitis in Odisha and Andhra Pradesh:  
Epidemiological profile, clinical spectrum and molecular characterization of causative agents  
**Investigators:** Savitri Sharma, Sujata Das, Srikant K Sahu, <sup>2</sup>Somasheila Murthy, <sup>3</sup>BNR Subudhi

<sup>2</sup>Jhaveri Microbiology Centre, LVPEI-KAR campus, Hyderabad • <sup>3</sup>MKG Medical College, Berhampur, Odisha

- Diagnostic potential of loop mediated isothermal amplification (LAMP) versus real-time PCR for ocular tuberculosis  
**Investigators:** Soumyava Basu  
**Support:** Dept. of Science and Technology, India
- Effect of Ultraviolet-A/Riboflavin Corneal Collagen Cross-linking on the Virulence Factor of Fungi.  
**Investigators:** Sujata Das, Savitri Sharma, Srikant K Sahu  
**Support:** Department of Biotechnology, India

<sup>2</sup>Institute of Life Sciences, Bhubaneswar

## Ophthalmic Biophysics and Mechanobiology Laboratory

- Finite element modeling of the cornea and penetrating keratoplasty  
**Investigators:** Ashutosh Richhariya, Geunyoung Yoon<sup>1</sup>, R. Peruchhio  
**Support:** Hyderabad Eye Research Foundation
- Automated algorithm for blood vessel count and area measurement in 2-D choroidal scan images  
**Investigators:** Ashutosh Richhariya, Sumohana Chanappaya<sup>2</sup>, Jay Chhablani  
**Support:** Hyderabad Eye Research Foundation
- Infra-red Imaging System for Dry Eye and Ocular Surface examination  
**Investigators:** Ashutosh Richhariya, Sumohana Chanappaya<sup>2</sup>, Siva Vanjari, Mukesh Taneja  
**Support:** Hyderabad Eye Research Foundation
- Three dimensional imaging and reconstruction of facial and orbital region  
**Investigators:** Ashutosh Richhariya, Soumya Jana<sup>2</sup>, Milind Naik  
**Support:** Hyderabad Eye Research Foundation
- Restoring Accommodation/Accommodating Gel Project  
**Investigators:** Virender S Sangwan, Mukesh Taneja, Pravin K Vaddavalli, Ashik Mohamed, Veerendranath Pesala, Arthur Ho, Jean-Marie Parel

**Support:** Vision Cooperative Research Centre, Sydney, Australia

- Fiber Cell Junctions in Normal and Cataractous Lenses  
**Investigators:** Ashik Mohamed, D Balasubramanian, M Joseph Costello  
**Support:** National Institutes of Health (NIH)/ National Eye Institute
- The effect of age on human natural lens function and properties  
**Investigators:** Ashik Mohamed, Virender S Sangwan, Robert C Augusteyn  
**Support:** Hyderabad Eye Research Foundation
- Optics of the Growing Crystalline Lens  
**Investigators:** Virender S Sangwan, Mukesh Taneja, Ashik Mohamed, Arthur Ho, Jean-Marie Parel, Fabrice Manns  
**Support:** NIH/ National Eye Institute
- Towards a true restoration of accommodation  
**Investigators:** Virender S Sangwan, Mukesh Taneja, Ashik Mohamed, Jean-Marie Parel, Susana Marcos  
**Support:** Consejo Superior de Investigaciones Científicas (CSIC), Spain

## Vision Rehabilitation Laboratory

- Evaluation of image enhancement as a vision rehabilitation tool  
**Investigators:** PremNandini Satgunam, Cyril Sara Babukutty  
**Support:** Hyderabad Eye Research Foundation, DST-Fast Track grant

- Validation of mechanized tangent screen kinetic perimeter for mapping visual fields  
Investigators: PremNandhini Satgunam, Ashutosh Richhariya  
Support: Hyderabad Eye Research Foundation
- Development of Pediatric Perimeter  
Investigators: PremNandhini Satgunam, Kishore Kumar, Cyril Sara Babukutty  
Support: Innovation Center, Hyderabad Eye Research Foundation
- Development of Hindi optotype charts  
Investigators: Lea Hyvarinen, PremNandhini Satgunam, Varadarajan, Kishore Kumar, Cyril Sara Babukutty  
Support: Good-Lite Co., Hyderabad Eye Research Foundation
- Critical brain changes – development and plasticity of multisensory functions to study the principles of age dependent learning plasticity in humans  
Investigators: Ramesh Kekunnaya, Bhamy H. Shenoy, Pia Ley, Davide Bottari, Brigitte Röder  
Support: European Research Council (ERC) Grant

## Patient Reported Outcomes Research

1. Glaucoma  
Investigators: Vijaya K. Gothwal, Shailaja P. Reddy, Seelam Bharani, Deepak K. Bagga, Rebecca Sumalini, Chandra S. Garudadri, Harsha L. Rao, Sirisha Senthil, Vanita Pathak-Ray, Anil K. Mandal  
Support: Hyderabad Eye Research Foundation
2. Keratoconus  
Investigators: Vijaya K. Gothwal, Shailaja P. Reddy, Asma Fathima, Seelam Bharani, Rebecca Sumalini, Deepak K. Bagga, Preeji M. Sudharman  
Support: Hyderabad Eye Research Foundation
3. Effectiveness of low vision rehabilitation (LVR) in children in India  
Investigators: Vijaya K Gothwal, Rebecca Sumalini, Seelam Bharani  
Support: Hyderabad Eye Research Foundation
4. Effectiveness of low vision rehabilitation (LVR) in adults in India  
Investigators: Vijaya K Gothwal, Seelam Bharani, Rebecca Sumalini, Deepak K Bagga  
Support: Hyderabad Eye Research Foundation
5. Health-related quality of life of adults with strabismus with or without amblyopia in India  
Investigators: Vijaya K Gothwal, Seelam Bharani, Ramesh Kekunnaya, Niranjan Pehera, Virender Sachdeva, Asa Narasaiah, Rekha Guntur  
Support: Hyderabad Eye Research Foundation
6. Health-related quality of life of children with intermittent exotropia and their parents  
Investigators: Vijaya K Gothwal, Seelam Bharani, Ramesh Kekunnaya, Niranjan Pehera, Virender Sachdeva, Asa Narasaiah, Rekha Guntur  
Support: Hyderabad Eye Research Foundation
7. Diabetic Retinopathy  
Investigators: Vijaya K Gothwal, Seelam Bharani, Divya Balakrishnan, Annie Mathai, Ajit Babu Majji, Jay Chabblani, Padmaja Kumari Rani, Mudit Tyagi  
Support: Hyderabad Eye Research Foundation
8. Visual Functioning outcomes following Cataract Surgery: An Item Bank approach  
Investigators: Vijaya K Gothwal, Seelam Bharani, Sirisha Senthil, Somasheila Murthy, Anil K Mandal, Virender Sangwan, Mukesh Taneja, Bhupesh Bagga, Jagadesh Reddy  
Support: Hyderabad Eye Research Foundation
9. Health-related quality of life in children with eye diseases: Assessing the psychometric properties of PedsQL inventory and KIDSCREEN-52  
Investigators: Vijaya K Gothwal, Shailaja P Reddy, Seelam Bharani, Deepak K Bagga, Rebecca Sumalini, Subhadra Jalali, Ramesh Kekakunay, Anil K Mandal, Santosh Honavar  
Support: Hyderabad Eye Research Foundation
10. Stress, anxiety, quality of life and coping strategies of parents of children with disabilities  
Investigators: Vijaya K Gothwal, Shailaja P Reddy, Seelam Bharani, Rebecca Sumalini, Sri Konkapaka  
Support: Hyderabad Eye Research Foundation
11. Measuring participation and contextual factors in children with vision impairment  
Investigators: Deepak K Bagga, Vijaya K Gothwal, Jill Keeffe<sup>1</sup>, Serge Resnikoff<sup>2</sup>  
Support: Vision CRC, Sydney, Australia.

<sup>1</sup>Centre for Eye Research Australia, Melbourne, Australia • <sup>2</sup> University of New South Wales, Sydney, Australia

## Research scholars

### BASIC RESEARCH

- Kallam Anji Reddy Molecular Genetics Laboratory  
Rachna Shukla, M Ganeswara Rao, Sonika Rathi, Meha Kabra, Almas Shamaila, S. Shahna, Syed Hameed, M V Sushma
- Sudhakar & Sreekanth Ravi Stem Cell Biology Laboratory  
Shubha Tiwari, Savitri Maddileti, Praveen Joseph, Vinay Kumar, Bhuvaneswari G. Abhinav Reddy, Nanda Sivasankar
- Research Biochemistry Laboratory  
Venkata Pulla Rao, Srinivasu K
- Jhaveri Microbiology Centre, KAR campus  
Praveen Kumar Balne, Ranjith K, Kanchana N C
- IVPEI, Bhubaneswar, Ocular Microbiology  
Sarita Kar
- Post-doctoral Research Associates  
Sachin Shukla, Ratnakar Tripati, Nagaveni Shivshetty

### CLINICAL RESEARCH

- Kallam Anji Reddy Campus  
Director Clinical Research: Dr. Virender Singh Sangwan  
Manager Operations: Sridevi Rayasam  
Study Optometrists: Ms Bidula Das  
Study Coordinators: Kiran Kunaparaju, Sateesh Kumar Kondla, Ms. Archana Digumarti, Ms. Savitha Narayan, Luke Swaroop  
Data Entry Operators: Rupasree Edelly, E. Shoba Laxmi.  
**Bhubaneswar Campus**  
Study Optometrists: Krushna Gopal Panda, Debasis Mohapatra  
Clinical Research Coordinators: Bibhudatta Mohanty (Excel Life Sciences), Preeti Semwal  
Support Staff: Susant Kumar Sahoo



## Basic Research Projects

Name of the Project	Principal Investigator	Supported By	Duration
Centre of Excellence (CoE)	Prof D Balasubramanian Dr Subhabrata Chakrabarti Dr Chitra Kannabiran Dr Inderjeet Kaur Dr Indumathi Mariappan	Department of Biotechnology, India	2013 - 2018
Identification of biomarkers for risk prediction and disease progression in Retinopathy of Prematurity: A potentially blinding neonatal disorder	Dr Inderjeet Kaur	Department of Biotechnology, India	2012 - 2015
To develop a rapid detection system for identifying pathogens in the eye	Dr Prashant Garg	Wellcome Trust	2013 - 2016
Exome sequencing in primary congenital glaucoma	Dr Subhabrata Chakrabarti Dr Michael Hauser Dr Rand Allingham	National Eye Institute, NIH	2014 onwards
Establishing a "risk assessment chip" for the eye disease age-related macular degeneration	Dr Subhabrata Chakrabarti	Department of Biotechnology, India	2007 onwards
C-Tracer 1- Phase 2			
Genetic and phenotypic comparison of primary congenital glaucoma in India and Brazil	Dr Subhabrata Chakrabarti	Department of Science and Technology, India	2008 onwards
Genetic epidemiology of Central India Eye and Medical Study	Dr Subhabrata Chakrabarti	Heidelberg University	2011-2016
Genetic comparison of primary congenital glaucoma in India and Tunisia - Understanding the possible founder effects	Dr Subhabrata Chakrabarti	Department of Science and Technology	2009 onwards
Molecular mechanism of pathogenesis of glaucoma caused by mutation in optineurin	Dr Subhabrata Chakrabarti Dr Ghanshyam Swarup	Department of Biotechnology, India	2010-2014
Role of miRNA in response to therapy in glaucoma	Dr Subhabrata Chakrabarti Dr Yashoda Ghanekar	Department of Biotechnology, India	2014 onwards
Control of Focusing and eye alignment during Human visual development	Dr Shrikant Bharadwaj	Department of Science and Technology, India	2012 - 2015
Biomarkers of Diabetic Retinopathy Progression-C-Tracer 1+ C-Tracer 2	Dr Rajeev Reddy	Champalimaud Foundation	2014 - 2016
Genetic Studies on Stevens Johnson Syndrome	Dr Chitra Kannabiran	ICMR	2012 - 2015
Regenerative Prostheses as Alternative to Donor Corneas for Transplantation to Treat Blindness	Dr Virender S Sangwan	Department of Biotechnology, India	2013 - 2016
Generating corneal endothelium from the trabecular meshwork stem cells	Dr Charanya Ramachandran Prof D Balasubramanian Dr Virender S. Sangwan	Department of Science and Technology	2013 - 2016
To study the role of myofibroblast/ stem cells in corneal wound healing response: identifying and characterizing growth factor-receptor systems and herbal/stem cells treatments during development, homeostasis, and corneal wound healing	Dr Vivek Singh	Department of Science and Technology	2014 - 2017
Image enhancement technology for children with vision impairment an evaluation	Dr Premnandhini Satgunam	Department of Science and Technology	2014 - 2017
Role of antimicrobial peptides in pseudomonas keratitis- A translational approach from bench to patients	Dr Sanhita Roy	Department of Science and Technology	2014 - 2017
Development of a synthetic biodegradable cell carrier membrane for the transplantation of cultured cells or freshly excised autologous tissue (limbal segments or oral mucosa) for diseases of the cornea	Prof D Balasubramanian Dr Virender S Sangwan	Wellcome Trust	2010 onwards
Utilizing the eye's optics to improve and predict vision of elderly humans	Dr Shrikant Bharadwaj	Department of Biotechnology, India	2014 - 2017
Effect of Ultraviolet-A/Riboflavin Collagen Cross-linking on the Virulence Factor of Fungi.	Dr Sujata Das / Dr Savitri Sharma/ Dr Srikant K Sahu	Department of Biotechnology, India	2014 onwards

Immunopathogenesis of Ocular tuberculosis	Dr Soumyava Basu Dr Satish Devdas Dr Savitri Sharma	Department of Biotechnology, India	2014 onwards
Diagnostic potential of loop mediated isothermal amplification (LAMP) versus real-time PCR for ocular tuberculosis	Dr Soumyava Basu	Department of Science and Technology	2012 onwards

## Clinical Research

### KAR Campus

S. No	Name of the Project	Principal Investigator	Supported by	Duration
1	The Asia Cornea Society Infectious Keratitis Study (ACSIKS)	Dr. Prashant Garg	Asia Cornea Foundation	Nov 2011 to Feb 2015
2	A Phase III, Multinational, Multicenter, Randomized, Double-Masked, Study Assessing the Safety and Efficacy of Intravitreal Injections of DE-109 for the Treatment of active, Non-Infectious Uveitis of the Posterior Segment of the eye	Dr. Somasheila Murthy	Santen Incorporated	Dec 2011 onwards
3	Extended Wear Efficacy Study	Dr. Varsha Rathi	Brien Holden Vision Institute	Jul 2012 to Jun 2014
4	LUMINOUS	Dr. Raja Narayanan	Outcome EuropeSarl	Dec 2012 to Dec 2017
5	Nanotome, feasibility clinical evaluation of a method of removing anterior stromal corneal scars and correcting irregular astigmatism	Dr Pravin Krishna Vaddavalli	Gebauer	Medizintechnik GmbH
6	A Multicenter, Randomized Study of the Efficacy and Safety of NVC – 422 Ophthalmic Solution for the Treatment of Adenoviral Conjunctivitis	Dr. Prashant Garg	NovaBay Pharmaceuticals, Inc	Jun 2012 to Jan 2014
7	Clinical efficacy of intravitreal administration of Bevacizumab combined with navigated laser treatment in patients with clinically significant macular edema	Dr. Jay Kumar Chhablani	OD – OS GmbH	May 2012 onwards
8	Biomarkers of Diabetic Retinopathy Progression	Dr. Rajeev Kumar Reddy Pappuru	AIBILI	Mar 2013 onwards
9	A study of unilateral Retinoblastoma with and without histopathological high-risk features and the role of adjuvant chemotherapy	Dr. Swathi Kaliki	Children's Oncology Group	Sep 2008 onwards
10	Clinical study to evaluate the possible association between low vitamin A and D levels and Vogt-Koyanagi-Harada Syndrome	Dr. Somasheila Murthy	Albert Einstein College of Medicine	Dec 2012 onwards
11	A randomized, double masked, controlled study of the efficacy, safety, and tolerability of repeated Intravitreal administration of Bevacizumab versus Ranibizumab in subjects with macular edema secondary to Branch Retinal Vein Occlusion	Dr. Raja Narayanan	Novartis	Dec 2011 onwards
12	UNCOVER	Dr. Mudit Tyagi	Novartis	Dec 2013 to Mar 2014
13	Reference image and intraoperative video collection from subjects undergoing standard cataract surgery to investigate the success rate of matching and tracking of ZEISS cataract suite in a software algorithm lab test	Dr. Pravin Krishna Vaddavalli	Carl Zeiss Meditec AG	Jan 2014 onwards

## GMRV Campus

1	Randomized control trial comparing topical tacrolimus ointment with topical cyclosporine drops for moderate and severe vernal keratoconjunctivitis	Dr Merle Fernandes Dr I S Murthy	Nil	Enrolment complete
2	A proof of concept , randomized, Multicenter, double masked study to evaluate the clinical efficacy and safety of FST-100 ophthalmic suspension in the treatment of Acute Adenoviral Conjunctivitis	Dr I S Murthy Dr Merle Fernandes	Foresight Biotherapeutics/ Ora, Inc, USA.	Study completed - May 2014
3	Combined Occlusion and Atropine Therapy for refractory/ residual amblyopia	Dr Virender Sachdeva Mrs Rekha Gunturu Dr Abhishek Bawdekar Dr Ramesh Kekunnaya	Nil	Ongoing
4	Hyperhomocysteinemia survival analysis	Dr Virender Sachdeva Dr Avinash Pathangey Dr Ramesh Kekunnaya Dr Ramesh Kekunnaya Dr Merle Fernandes Dr Virender Sachdeva	Nil	Ongoing
5	Incidence of visual axis opacification in children 6-10 years undergoing cataract extraction (lens aspiration with PCIOL) with or without PPC+AV or Yag capsulotomy	Dr Jay Chhablani Dr Virender Sachdeva Dr Ramesh Kekunnaya Dr Preeti Patil Chhablani	Nil	Ongoing
6	Choroidal thickness in children with Amblyopia	Dr Jayesh Vazirani Dr Virender Sangwan Dr Arjun Srirampur Dr Srikant Sahu Dr Siva Kumar Wurity Dr Abhishek Ranjan	Nil	Ongoing
7	Epidemiology and clinical features of limbal stem cell deficiency		Nil	Ongoing

## Bhubaneswar Campus

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1	Biomarkers of Diabetic Retinopathy Progression	Dr Rajeev Reddy Dr Tapas Ranjan Padhy	Champalimaud Foundation (Grant)	Ongoing
2	A Phase III, Multinational, Multicenter, Randomized, Double-Masked, Study Assessing the Safety and Efficacy of Intravitreal Injections of DE-109 (three doses) for the Treatment of active, Non-Infectious Uveitis of the eye	Dr Soumyava Basu	Santen Incorporated	Ongoing
3	LUMINOUS: Study to observe the effectiveness and safety of LUCENTIS® through individualized patient treatment and associated outcomes	Dr Taraprasad Das	Novartis	Ongoing
4	A Multicentre, Randomized, Double-Masked, 3 Parallel Arms, Placebo Controlled Study to Assess the efficacy and Safety of NOVA22007 1MG/ML (Ciclosporin / Cyclosporine) Eye drops, Emulsion Administered in Paediatric patients with active severe Vernal Keratoconjunctivitis with Severe Keratitis.	Dr Srikant Kumar Sahu	Novagali Pharma	Upcoming
5	Prospective, double-blind, placebo controlled, randomized, parallel-group, multi center study with an open-label extensionperiod to investigate the efficacy and safety of two different doses of NT 201 in Botulinum toxin treatment-naïve subjects with blepharospasm	Dr Suryasnata Rath	Merz Pharmaceuticals GmbH	Upcoming
6	A randomized double-masked, phase III study assessing ranibizumab Intravitreal injections versus sham control in patients with visual impairment due to macular edema(ME) secondary to central retinal vein occlusion(CRVO) [Camellia]	Dr Tapas Ranjan Padhi	Novartis	Upcoming
7	A Phase III, Multi-National, Multi-Centre, Randomized, Masked, Controlled, Safety and Efficacy Study of a Fluocinolone Acetonide Intravitreal (FAI) Insert in Subjects with Chronic Non-Infectious Uveitis Affecting the Posterior Segment of the Eye.	Dr Tapas Ranjan Padhi	pSivida Corp	Upcoming

# Publications

## April 2013 - March 2014

1. Addepalli UK, Jonnadula GB, Garudadri CS, Rao HL, Rani PK, Chakrabarti S, Papas EB, Sankaridurg P, Khanna RC, LV Prasad Eye Institute Glaucoma Epidemiology and Molecular Genetic Study (LVPEI- GLEAMS). Report 1: Study Design and Research Methodology. *Ophthalmic Epidemiol.* 2013;20:188-95. PubMed PMID: 23713919.
2. Addepalli UK, Jonnadula GB, Garudadri CS, Rao HL, Senthil S, Papas EB, Sankaridurg P, Khanna RC. Agreement of glaucoma specialists and experienced optometrists in gonioscopy and optic disc evaluation. *Journal of Optometry.* 2013;6:212-18
3. Aggarwal E, Mulay K, Honavar SG. Orbital extra-medullary granulocytic sarcoma: clinicopathologic correlation with immunohistochemical features. *Surv Ophthalmol.* 2014;59:232-235. PubMed PMID: 24556444.
4. Aggermann T, Brunner S, Krebs I, Haas P, Womastek I, Brannath W, Binder S; ROVO Study Group. A prospective, randomised, multicenter trial for surgical treatment of central retinal vein occlusion: results of the Radial Optic Neurotomy for Central Vein Occlusion (ROVO) study group. *Graefes Arch Clin Exp Ophthalmol.* 2013;251:1065-72 PubMed PMID: 22960949
5. Ahmed Y, Scott IU, Pathengay A, Bawdekar A, Flynn HW Jr. Povidone-iodine for endophthalmitis prophylaxis. *Am J Ophthalmol.* 2014;157:503-4. PubMed PMID: 24528933.
6. Ali MJ. Lacrimal surgery: Glorious past, exciting present era and the audacity of hope for a brilliant future. *Saudi J Ophthalmol.* 2014;28:1-2. PubMed PMID: 24526850.
7. Ali MJ, Gupta H, Naik MN, Honavar SG. Endoscopic guided single self-linking silicone stent in pediatric external dacryocystorhinostomy. *Minim Invasive Ther Allied Technol.* 2013;22:266-70. PubMed PMID: 23418934.
8. Ali MJ, Honavar SG, Naik MN, Vemuganti GK. Orbital hemangiopericytoma in teens: A rare case. *Indian J Ophthalmol.* 2013 Apr 10. [Epub ahead of print] PubMed PMID: 23571239.
9. Ali MJ, Honavar SG, Reddy VA. Distant metastatic retinoblastoma without central nervous system involvement. *Indian J Ophthalmol.* 2013;61:357-9. PubMed PMID: 23548316;
10. Ali MJ, Joshi SD, Naik MN, Honavar SG. Clinical Profile and Management Outcome of Acute Dacryocystitis: Two Decades of Experience in a Tertiary Eye Care Center. *Semin Ophthalmol.* 2013 Oct 30. [Epub ahead of print] PubMed PMID: 24171807.
11. Ali MJ, Kamal S, Vemuganti GK, Naik MN. Glial Heterotopia or Ectopic Brain Masquerading as a Dacryocystocele. *Ophthal Plast Reconstr Surg.* 2014 Jan 31. [Epub ahead of print] PubMed PMID: 24492734.
12. Ali MJ, Mariappan I, Maddileti S, Ali MH, Naik MN. Mitomycin C in dacryocystorhinostomy: the search for the right concentration and duration--a fundamental study on human nasal mucosa fibroblasts. *Ophthal Plast Reconstr Surg.* 2013 ;29:469-74. PubMed PMID: 24217477
13. Ali MJ, Motukupally SR, Joshi SD, Naik MN. The microbiological profile of lacrimal abscess: two decades of experience from a tertiary eye care center. *J Ophthalmic Inflamm Infect.* 2013;3:57. PubMed PMID: 23889760
14. Ali MJ, Mulay K, Pujari A, Naik MN. Derangements of Lacrimal Drainage-associated Lymphoid Tissue (LDALT) in Human Chronic Dacryocystitis. *Ocul Immunol Inflamm.* 2013;21:417-23. PubMed PMID: 23924208.
15. Ali MJ, Naik M, Honavar SG. Balloon dacryoplasty: ushering the new and routine era in minimally invasive lacrimal surgeries. *Int Ophthalmol.* 2013;33:203-10. PubMed PMID: 23073715
16. Almeida A, Kaliki S, Shields CL. Autofluorescence of intraocular tumours. *Curr Opin Ophthalmol.* 2013;24:222-32. PubMed PMID: 23429597.
17. Arepalli S, Kaliki S, Shields CL, Emrich J, Komarnicky L, Shields JA. Plaque Radiotherapy in the Management of Scleral-Invasive Conjunctival Squamous Cell Carcinoma: An Analysis of 15 Eyes. *JAMA Ophthalmol.* 2014 Feb 20. [Epub ahead of print] PubMed PMID: 24557333.
18. Arepalli S, Shields CL, Kaliki S, Emrich J, Komarnicky L, Shields JA. Diffuse choroidal hemangioma management with plaque radiotherapy in 5 cases. *Ophthalmology.* 2013;120:2358-59. PubMed PMID: 24182566.
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## Text Book Chapters

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- Reddy JC, Juthani V, Fowler PG, Rapuano CJ: Corneal topography and tomography. In Tasman W, Jaeger EA (eds): Duane's Foundations of Clinical Ophthalmology. Philadelphia: Lippincott Williams & Wilkins, 2013.
- Reddy JC, Rapuano CJ: Diseases of the Cornea. In Nelson LB, Olitsky SE (eds.): Harley's Pediatric Ophthalmology, 6th edition. Philadelphia: Lippincott Williams & Wilkins, 2013.
- Muralidhar Ramappa**  
Astigmatism Correction In Children With Cataracts. Lippincott Williams & Wilkins,  
Multifocal Intraocular Lenses In Children. Lippincott Williams & Wilkins,  
IOL fixation in absence of capsular support in children. Lippincott Williams & Wilkins,  
Persistent Fetal vasculature (PFV): Clinical manifestation, surgical challenges and outcomes: Jaypee Brothers  
Congenital Rubella syndrome (CRS): Jaypee Brothers  
Cataract Surgery in Eyes Treated for Retinoblastoma: Jaypee Brothers
- Pravin K Vaddavalli. The LASIK handbook: A case based approach. 2nd ed. 2013. Robert Feder. Lippincott Williams & Wilkins
- Das T, Vedantham V, Hussain A, Kanungo S, Ram LSM. B scan ultrasonography in Nema HV, Nema N (eds) Diagnostic procedures in Ophthalmology. 2014 Jaypee, New Delhi pp. 195-210.

# Presentations

## Uday Kumar Addepalli

### International

- Association for Research in Vision and Ophthalmology (ARVO) 2013 Annual Meeting: Seattle, Washington, 5 - 9 May, 2013; *Two engagements:* 1) *Poster presentation:* Validation of Referral Pattern and Diagnosis of Eye Diseases by Vision Technicians (VT) against an ophthalmologist at Vision Centres (VC) in India: 2) *Poster presentation:* Screening of Potentially Blinding Eye Diseases by Vision Technicians at rural Vision Centres in Southern India & their Referral Agreement with an Ophthalmologist. Co-authors: Vasantha Suram, Rohit C Khanna, Krishnaiah Sannapaneni, Vilas Kovai.

### National

- Bansara Institute of Ophthalmic Sciences: Shillong, Meghalaya, 22 March 2014. *Invited speaker.*

## Mohammad Javed Ali

### International

- Al-Nahda: Muscat 2014; *Live Surgical Demonstrations:* Endoscopic Septoplasty and Powered DCR
- OSB: Dhaka, 2103; *2 Engagements; Presentation:* Canalicular stenosis and its management; *Presentation:* What's happening in Lacrimal disorders
- ISO: Guangzhou, 2013; *3 Engagements - Presentation:* Developmental disorders of the Proximal lacrimal system; *Presentation:* 'Complex CNLDO and dayroendoscopy'; *Presentation:* Adult Balloon Dacryoplasty
- EOC: Dubai, 2013; *2 Engagements; Presentation:* Ultrasonic Endoscopic DCR; *Presentation:* Dacryology: Glimpse of the Future
- CME: Muscat, 2013; *Presentation:* What's new in Dacryology

### National

- AIOS 2014: Agra; *7 Engagements; Instruction course:* DCR and its approaches; *Instruction course:* 'Breakfast with Expert – Endoscopic DCR'; *Presentation:* Evaluation of an Ostium; *Presentation:* Safety of Piezoelectric DCR; *Presentation:* Primary Endoscopic DCR; *Presentation:* Spectrum of CNLDO; *Presentation:* Dacryoendoscopic guided NLD recanalization
- VOSCON: Varanasi 2013; *2 Engagements; Instruction course:* Endoscopic Revision of a failed External DCR; *Presentation:* Nuances of Endonasal DCR
- IENT: Bangalore, 2013; *2 Engagements; Instruction course:* Primary Endonasal Dacryocystorhinostomy; *Oration lecture:* Nuances of Endoscopic DCR
- NTR-UHS CME, GMC: Hyderabad, 2013; *Presentation:* Recent Advances in Dacryology
- AOFCM: Hyderabad, 2013; *2 Engagements; Presentation:* External versus endoscopic DCR; *Presentation:* Newer trends in Lacrimal Surgery
- OPAI: Bangalore, 2013; *2 Engagements; Presentation:* Ultrasonic Endoscopic DCR; *Presentation:* Towards resolving the Mitomycin C Dilemma
- APOS: Warangal, 2013; *5 Engagements - Presentation:* Interpretation of CT Scans Orbita; *Presentation:* Dacryoendoscopy - Therapeutic applications; *Presentation:* Ultrasonic DCR; *Presentation:* Paradigms shifts in lacrimal anatomy; *Presentation:* Pathology - A Surgeon's perspective
- MAA FESS Conference: Hyderabad, 2014; *Presentation:* Nuances of Endoscopic lacrimal approaches
- CMRI CME: Kolkata, 2014; *Presentation:* Recent Advances in lacrimal disorders
- AOI: Hyderabad, 2014; *Presentation:* 'Research Advances in Dacryology'

## D Balasubramanian

### International

- Asia ARVO 2013: New Delhi, 28 October 2013. *Two engagements:* 1) *Welcome address* on behalf of Indian Eye Research Group (IERG) 2) *Invited talk* on the role of the Greek Key motif in endogenous  $\beta$ - and  $\gamma$ -crystallins in eye lens clarity.
- All-African workshop on stem cell biology and therapy: Nairobi, Kenya, 9-12 November 2013. *Organizer* of workshop along with the African, Brazilian, Chinese and Indian Science Academies.
- International Conference on the Lens: Kona Hawaii, USA, 19-24 January 2014. *Member, Organizing Group and Invited lecture* on 21

January 2014.

- BioAsia 2014: HICC, Hyderabad, 17 February 2014. *Talk.*

### National

- Golden Jubilee of BITS Alumni Association (BITSAA): Hyderabad, 3 January 2014. *Chair and Invited lecture.*
- M S Swaminathan Research Foundation: Chennai, 18 February 2014. *Member, Review and Management Group.*
- Vigyan Prasar, DST: New Delhi, 21 February 2014. *Invited lecture.*
- Conference on Stem Cells, KIMS: Hyderabad, 23 February 2014. *Chief Guest and Inaugural lecture.*
- National Science Day, Madurai Kamaraj University: Madurai, 28 February 2014. *Lecture.*
- Visva Bharati University, Santiniketan: West Bengal, 15 March 2014. *Invited lecture.*
- National Institute for Biomedical Genetics: Kalyani, West Bengal, 17 March 2014. *Invited lecture.*

## Praveen K Balne

### National

- MICROCON 2013 (37th National Congress of Indian Association of Medical Microbiologists): HICC, Hyderabad, 22-24 November, 2013. *Oral presentation:* Comparison of closed tube loop mediated isothermal amplification assay using hydroxynaphthol blue (HNB-LAMP) with uniplex PCR and real-time PCR for the diagnosis of intra-ocular tuberculosis.

## Umesh Chandra Behara

### National

- 22nd annual meet, VRSI: Lavasa, Pune, December 2013. *Poster presentation:* Pulsating long posterior ciliary artery and the mysterious temporal macular dimple.

## Shrikant Bharadwaj

### International

- Glasgow Caledonian University, Glasgow, UK, April 2013. *Presentation:* Uncorrected astigmatism as an alternate strategy for optimizing near vision after cataract surgery.
- ARVO: Ft. Lauderdale, USA, May 2013. *Presentation:* Optimizing binocular vision of pseudophakes with uncorrected astigmatism.
- ASIA-ARVO New Delhi, 2013. *Five engagements,* 1) Neural plasticity mini-symposium: *Invited talk:* Recalibration of focusing responses during human visual development. 2) *Poster presentation:* Predicting the impact of uncorrected astigmatism on the image quality of pseudophakic eyes, 3) *Poster presentation:* Racial differences in the defocus calibration of eccentric infrared photo refraction, 4) *Poster presentation:* Changes in the image quality of human eyes following refractive surgery, 5) *Poster presentation:* Accommodative performance of the unioocular visual system.
- LVPEI-University of Hamburg workshop on neural plasticity: 24 October, 2013. *Presentation:* Uncorrected astigmatism as an alternate strategy for optimizing near vision after cataract surgery.

## Subhabrata Chakrabarti

### International

- Annual Meeting of ARVO: Seattle, USA, May 2013. *Presentation:* Runs of homozygosity across the whole genome suggests two novel genes in primary congenital glaucoma.
- University of Massachusetts Medical School: Worcester, USA, May 2013. *Presentation:* Identification of missing genetic determinants in primary congenital glaucoma.
- 5th World Glaucoma Congress: Vancouver, Canada, 2013. *Three engagements:* 1) Clinician Scientist symposium, *Co-Chair.* 2) *Invited talk:* Insights from basic sciences in the clinics for fixing glaucoma worldwide, 3) *Invited talk:* Further updates on the genomics of primary congenital glaucoma.
- Indo Australia Workshop: Hyderabad, India, 2013. *Two engagements:* 1) *Organizer*, Multi-drug resistance Pseudomonas and ocular infections, 2) *Invited talk:* Genomics of host susceptibility.
- ASIA ARVO 2013: *Organizing Secretary.*
- Asia ARVO 2013: New Delhi, 28-31 October, 2013. *Four engagements:* 1) *Chair* Scientific productivity and misconduct symposium. 2) *Co-chair* Asia Pacific Society for Eye Genetics (APSEG) symposium 3) *Invited talk:* Measures of scientific productivity and scientific misconduct, 4) *Invited talk:* Molecular genetics of primary congenital glaucoma,

- Information and Planning Exchange (IPE) meeting (2013), Organized by the World Glaucoma Association: Fort Lauderdale, FL, USA.

#### National

- CARVES Meeting and Workshop: Mumbai, India. *Invited talk*. Genetic epidemiology of age-related macular degeneration
- Indo-UK conference and workshop on ophthalmic genetics and genetic counseling: Bangalore, India, 15-16 February 2014. *Invited talk*: The genetic paradigm of AMD and glaucoma.
- ADNAT conference: Trivandrum, India, 23-25 February 2014. *Invited talk*: Genomics of a blinding disorder in children.

#### Jay Kumar Chhablani

##### International

- 37th annual Macula Society Annual meeting: Key Largo, FL, U.S.A., February 2014. *Paper presentation*: Outcomes of Treatment of Pediatric CNV with Intravitreal Anti-angiogenic Agents: The Results of The KKESH International Collaborative Retina Study Group.
- SPIE Medical Imaging 2014: San Diego, CA, USA, February 2014. *Paper presentation*: An Automated Algorithm for the Identification of Choriocapillaris in 2D-OCT Images.
- 2013 International Conference on 3D Imaging (IC3D 2013): Liège, Belgium. *Paper presentation*: 3D visualization and mapping of choroid thickness based on optical coherence tomography: a step-bystep geometric approach.
- American Academy of Ophthalmology (AAO) Annual Meeting: Chicago, 2013. *Four engagements*: 1) *Video presentation*: Autofluorescence Basics and Applications, 2) *Video presentation*: Ultrasound B-Scan: Different Cases, Ultrasonic Characteristics, and their Interpretation, 3) *Video presentation*: Bimanual Vitrectomy for Diabetic Combined Retinal Detachment, 4) *Poster presentation*: Clinical Profile and Long-term Outcome of Scleral Buckle Infection: Retrospective Study.
- 13th Congress of the European Society of Retina Specialists: Hamburg, Germany, September 2013. *Two engagements*: 1) *Paper presentation*: Comparison of the visible effect on the fundus in peripheral laser photoocoagulation between conventional pattern laser and Navilas, 2) *Paper presentation*: Fluorescein angiography versus superimposed OCT guided macula laser photoocoagulation,
- 31st Annual American Society of Retina Specialist meeting: Toronto, August 2013. *Eleven engagements*: 1) *Paper on Demand*: Comparison of Panretinal Photocoagulation Using Navigated Laser and Conventional Pattern Laser in Diabetic Retinopathy, 2) *Paper presentation*: Combination of Anti-angiogenic Therapy and Navigated Laser for the Treatment of Diabetic Macular Edema (DME): 12-Month Results, 3) *Instruction course*: Surgical Management of Complicated Retinal Detachments, 4) *Poster presentation*: Diagnosis of subretinal neovascularization (SRNV) secondary to Idiopathic juxtapatelloveal retinal telangiectasia (IJRT) type 2A, 5) *Poster presentation*: Single navigated laser photoocoagulation spot treatment for central serous chorioretinopathy, 6) *Poster presentation*: Traumatic pediatric vitreous hemorrhage: Clinical features and outcomes, 7) *Poster presentation*: Segmental reproducibility of retinal blood flow velocity measurements using retinal function imagery, 8) *Poster presentation*: Is there a change in the microbiological profile of scleral buckle infection? 9) *Poster presentation*: Endophthalmitis following Keratoprosthesis: Incidence, microbiological characteristics and Outcomes, 10) *Video presentation*: Surgical management of complicated retinal Detachments, 11) *Video presentation*: Bimanual Vitrectomy for Diabetic combined retinal detachment.
- NAVILAS users meet: Toronto, Canada, 2013. Navigated laser in Central Serous Chorioretinopathy – LVPEI experience.
- ARVO 2013: Seattle, USA. *Three engagements*: 1) *Poster presentation*: Navigated Laser Photoocoagulation to Reduce Frequency of Bevacizumab Injections (ivB) for Diabetic Macular Edema: 1-Year Results, 2) *Poster presentation*: Choroidal Thickness Change Following Intravitreal Bevacizumab Therapy for Wet Age-related Macular Degeneration: Six Months Results, 3) *Poster presentation*: Fluorescein Angiography versus Superimposed OCTguided Macular Laser Photocoagulation.

#### National

- 65th Annual Conference of Delhi Ophthalmological Society: March 2014. *Four engagements*: 1) *Invited Speaker*: Anti-VEGF protocols in AMD treatment, 2) *Free paper*: Outcomes of Intravitreal dexamethasone implant in real life situations, 3) *Video*: Fundus autofluorescence: Basic and Applications, 4) *Video*: Management of retinal detachment with intraocular foreign body: Bimanual

technique.

- 72nd conference of All India Ophthalmological society: Agra, UP, February 2014. *Nine engagements*: 1) *Poster presentation*: Choroidal thickness measurements in indian subjects with diabetes mellitus, 2) *Paper presentation*: Comparison of panretinal photocoagulation using navigated and pattern laser in diabetic retinopathy, 3) *Paper presentation*: Spontaneous pediatric vitreous hemorrhage: clinical features and outcomes, 4) *Paper presentation*: Natural history of retinochoroidal coloboma, 5) *Poster presentation*: Vitelliform lesions of the macula, 6) *Poster presentation*: Diagnosis of choroidal neovascularization secondary to high myopia, 7) *Video presentation*: Bimanual vitrectomy for diabetic combined retinal Detachment, 8) *Video presentation*: Brilliant blue in macular surgery, 9) *Video presentation*: Scleral re-fixated intraocular lens: a minimally invasive approach for intraocular lens rescue..
- Kasturba Medical College, 50th year Alumni meeting: Mangalore, 2013. *Three engagements*: 1) *Invited Faculty*: What's new in Retina, 2) *Invited Faculty*: Diabetic retinopathy management, 3) *Invited Faculty*: Basics of retinal detachment.
- 22nd Annual Conference of Vitreoretinal Society of India: Lavasa (Pune), December 2013. *Six engagements*: 1) *Moderator* for Poster presentation session, 2) *Paper presentation*: En face OCT imaging in idiopathic juxtapatelloveal retinal telangiectasia type 2a, 3) *Paper presentation*: Diagnosis of choroidal neovascularization secondary to high myopia – FA Vs SD-OCT, 4) *Paper presentation*: Comparison of panretinal photocoagulation using navigated laser and conventional pattern laser in diabetic retinopathy, 5) *Poster presentation*: Seeing Beyond The Stars - Role Of Fundus Auto fluorescence Imaging In Eyes With Asteroid Hyalosis, 6) *Video presentation*: Subretinal air: a complication during retinal detachment repair.
- 44th Annual Conference 2013 of Ophthalmological Society of West Bengal: Kolkata 2013. *Two engagements*: 1) *Invited Faculty lecture*: What's new in Retina, 2) *Invited Faculty lecture*: Choroidal imaging.
- Andhra Pradesh State Ophthalmic Conference: Warangal, October 2013. *Three engagements*: 1) *Instruction course*: FFA and OCT correlation, 2) *Video presentation*: Brilliant blue in macular surgery, 3) *Video presentation*: Bimanual Vitrectomy for Diabetic Combined Retinal Detachment.
- Indian AMD – Retina Congress: Bengaluru, 2013. Hemiretinal Venous Occlusion – An interesting case.
- Sankara Nethralaya Alumni Meet: Chennai, 2013. Subretinal air – intraoperative complications.
- RetNet meeting 2013: Chennai. Inadvertent Macular Rotation during retinal detachment repair.
- Retina CME: Hyderabad, June 2013. *Guest speaker*. NAVILAS and anti-VEGF agents in Diabetic Macular Edema.

#### Preeti Patil Chhablani

##### International

- American Association of Pediatric Ophthalmology and Strabismus ( AAPOS ) Meeting – 2014: Palm Springs, California. *Poster presentation*: Surgery for Monocular Elevation Deficit (MED)-outcomes in a series of 31 cases.

#### National

- Annual conference of All India Ophthalmological society: Agra, 14 February. *Invited speaker*: Instruction Course, Disc Edema – Interesting cases and discussion
- Chhattisgarh State Ophthalmic Society (CSOS) annual meeting: Bhilai, Chhattisgarh, 14-15 December 2013. *Two engagements*: 1) *Invited talk*: Visual assessment in children 2) *Invited talk*: Amblyopia

#### Beula Christy

##### National

- 7th Annual Champalimaud Research Symposium: L V Prasad Eye Institute, Hyderabad, India, 2 February 2014. *Invited Speaker*: Effectiveness of low vision rehabilitation service delivery methods.
- 30th Low Vision Awareness Program: LVPEI, Hyderabad, 20 September 2013. *Course Co-ordinator and In-House faculty*: Vision Rehabilitation Services.
- Eye-PEP 2013: L V Prasad Eye Institute, Hyderabad, India, 30 September- 6 October 2013. *Invited Speaker*: When all else fails; Vision Rehabilitation

#### Sujata Das

##### International

- AAO: New Orleans, USA, November 2013. *Two engagements*:

- 1) Therapeutic Corneal Plantation (IC226: Diagnosis and Management of Corneal Perforation), 2) Graft Infiltrate After Therapeutic Keratoplasty: Recurrence or New Infection – OMIG.
- National**
- AIOS: Agra. February 2014. *Two engagements:* 1) *B. K. Narayan Rao Award Oration:* Parasitic Keratitis: Laboratory and Clinical Studies with Novel Findings, 2) Vision 2020: A debate on equity or high tech ophthalmology, which is more important for elimination of avoidable blindness: Vision centres are better than camps for providing access.

#### Taraprasad Das

##### International

- ARVO: Seattle, USA, 4-9 May 2013. Safety, sterility and stability of direct-from-vial multiple dosing Intravitreal injection of bevacizumab. Volety S, Ahsan SM, Thakur AK, Sharma S, Basu S, Padhi TR, Rao M.
- Asia ARVO: Delhi, 28-31 October, 2013. *Two engagements:* 1) Top 10 findings of DRCR.net Protocol I, 2) Current treatment protocol of diabetic macular edema.
- 8th Asia Pacific Vitreoretinal Congress: Nagoya, Japan, 6-8 December 2013. *Two engagements:* 1) New retinal laser technology and economics, 2) A randomised double masked controlled study of efficacy and safety of intravitreal ranibizumab versus bevacizumab in subjects with macular edema secondary to branch retinal vein occlusion - The BRANVO study.

##### National

- Retina 2013: Vijayawada. 1 September, 2013. *Two engagements:* 1) New Retina Lasers. Technology and Economy, 2) Technology of Endophthalmitis Microbiology.

#### Merle Fernandes

##### International

- ESCRS 2013: Amsterdam, Netherlands. *Three engagements:* 1) *Chief Instructor:* Pediatric PK: To do or not to do, 2) *Co-Instructor:* Fungal Keratitis: Typical management, typical treatment, 3) *Co-Instructor:* Therapeutic Keratoplasty.
- WCPOS 2013: Amsterdam, Netherlands. *Invited Speaker:* Exotic Infections in Children
- ASIA ARVO 2013: New Delhi. *Two engagements:* 1) *Invited Speaker:* Surface Ablation, Epikeratoplasty, 2) *Chief Instructor:* Pediatric PK: To do or not to do,
- West Java Ophthalmic Association CME: Bandung, Indonesia, March 2014. *Three Engagements:* 1) *Chief Instructor:* HSV Keratitis: Current Understanding, Allergic Conjunctivitis, 2) *Invited Speaker:* Multifocal IOL, Scleral Fixated IOL, Current management of HSV Keratitis, Common Corneal Pathologies in Children, Keratoconjunctivitis: Varied spectrum, Why is Ocular Immunology Important, Surface Ablation, 3) *Moderator:* Cataract Surgery Symposium.

##### National

- Refractive Surgery 360: Hyderabad, August 2013. *Two engagements:* 1) *Invited Speaker:* Choosing the Right Patient for Refractive Surgery and Close Encounters of the Third Kind, 2) *Moderator:* Case Discussion.
- CME on Pediatric Ophthalmology and Strabismus: Little Flower Eye Hospital, Angamaly, Kerala, September 2013. *Two engagements:* 1) *Invited Speaker:* Management of Congenital Corneal Opacities, 2) Current Trends in Ocular Surface Disorders in Children.
- APOS 2013: Warangal. *Six engagements:* 1) *Dr Surya Prasada Rao Oration:* Pediatric PK in Developing Countries: To do or not To do, 2) *Chief Instructor:* Phakic IOLs, HSV Pathogenesis & manifestations, HSV Surgical management, 3) *Co-Instructor:* Pediatric Secondary IOL Implantation, Allograft Rejection: Clinical features and management, PTK: Indications and evaluation, 4) *Chair:* Amniotic Membrane Transplantation, Ocular Surface Transplantation Symposium, 5) *Invited Speaker:* Multifocal IOLs, Dr Sharat Babu's Symposium on Refractive Cataract Surgery, 6) *Invited Speaker:* Management of Keratoglobus.
- Drishti 2013, Kerala State Ophthalmic Society Meeting: Calicut, November 2013. *Invited Speaker:* "Congenital corneal opacities: When and how to intervene; Corneal Ectasia; Lamellar Keratoplasty: Layer by Layer; Limbal Stem Cell Transplantation; Microbial Keratitis: Challenging Cases; Pediatric Penetrating Keratoplasty: Difficulties and Challenges."
- CME, Visakha Ophthalmic Association: Visakhapatnam, December 2013. *Invited Speaker:* Aspheric IOLs.

#### Prashant Garg

##### International

- ICO Education for Educators Symposium: Copenhagen, 7 June 2013; *Guest speaker:* Adult learning and teaching principles
- Asia Pacific Academy of Cataract and Refractive Surgery (APACRS): Singapore, 11-14 July 2013; *Invited speaker*
- Advisory board meeting of Alcon "Horizon": Malaysia, 31 August-1 September 2013.
- Annual meeting of the Royal Australian and New Zealand College of Ophthalmologists: Hobart, Australia, 2-6 November 2013. *Invited speaker:* Challenges and progress in ophthalmic education in India
- Annual meeting of the American Academy of Ophthalmology: New Orleans, USA, 14-18 November 2013; *7 Engagements:* Board meeting of the IJCAHPO on 14 November; Chair of Ocular Microbiology Immunology Group (OMIG) Symposium on 15 November; Chair of the board meeting of OMIG on 15 November; AAO council meeting on 17 November; Chaired OMIG symposium on 18 November 18; *Invited speaker* for World Ophthalmology Leaders Forum in Education – 'Expanding Ophthalmic Classrooms: Innovations in Education'; *Chief instructor* - 'Atypical Keratitis'

##### National

- Mumbai Cornea Club: Mumbai, 11 May 2013; *2 Engagements:* *Invited speaker:* Know your antimicrobials; Role of C3R in management of microbial keratitis
- Refractive Surgery 360: LVPEI Hyderabad, 16-18 August 2013; *Organizer and speaker*
- Raipur Ophthalmic Society: MGM Eye Hospital, Raipur, 14-15 September 2013; *Invited speaker*
- Indo-Australia Workshop on Pseudomonas: LVPEI Hyderabad, 4-5 December 2013; *Organizer and speaker*

#### Usha Gopinathan

##### International

- International Forum on Quality & Safety in Health: London, UK, 16-20 April 2013; Improve Quality, Reduce Costs, Save Lives. Excel.

##### National

- Vision 2020: The Right to Sight - India Annual Conference: Sewa Sadan Eye Hospital, Bhopal, 5-6 April 2013; *Invited Faculty Talk:* Quality Excellence in Operation Theatre: Post Operative Infections Concern Areas
- Association for Research in Vision and Ophthalmology (Asia ARVO): New Delhi, 31 October 2013; *Invited Faculty Talk:* Donor Tissue Septicemia Study @ L V Prasad Eye Institute

#### Vijaya K Gothwal

##### International

- Asia-ARVO 2013: New Delhi, 28-31 October 2013. Symposium on 'Retinal Degenerations, Low Vision and Prosthetics: Where do we stand and where are we going?', *Invited speaker:* Low Vision Rehabilitation in Retinal Degenerations
- 7th Annual Champalimaud Research Symposium: L V Prasad Eye Institute, Hyderabad, India, 2 February 2014. *Invited Speaker:* Patient-reported outcomes in Ophthalmology: The LVPEI Experience.

##### National

- 30th Low Vision Awareness Program: LVPEI, Hyderabad, 20 September 2013. *Course Co-ordinator and In-House faculty:* Clinical Challenges.
- Eye-PEP 2013: L V Prasad Eye Institute, Hyderabad, India, 30 September- 6 October 2013. *Invited Speaker:* What is low vision and how do we deal with it?

#### Rajat Jain

##### National

- Annual conference of Intraocular Implant and Refractive Society of India: New Delhi, 7-8 September 2013. *Two engagements:* 1) Post Cataract Surgery Descemet Membrane Detachment, 2) Outcomes of Repeat Descemetopexy in Post Cataract Surgery Descemet Membrane Detachment.

#### Subhadra Jalali

##### International

- 8th Asia Pacific Vitreoretina Society Congress: Nagoya, Japan, 6-8 December 2013. *Two engagements:* 1) CRVO during laser for ROP secondary to Protein C deficiency and its response to Bevacizumab injection. Phalak D, Rani PK, Balakrishnan D, 2) Outcomes of silicone oil tamponade after partial vitrectomy in acute ROP retinal detachments. Haque MK, Balakrishnan, Rani PK.
- 9th International symposium of Ophthalmology: Guangzhou,

China 9-11 November 2013. *Three engagements:* 1) *Invited speaker:* Symposium on Paediatric Retina. Topic: Non-ROP neonatal retinal diseases, 2) Role of systemic steroids in the management of Idiopathic Polypoidal choroidal vasculopathy (IPCV) - a comparative study.Sudhalkar A, Balakrishnan D, Narayanan R, 3) Clinical profile and surgical outcomes of persistent fetal vasculature in a decade. Balakrishnan D.

- Asia ARVO: New Delhi, 27-31 October 2013. *Five Engagements:* 1) Outcomes of the rarely used silicone oil tamponade in acute ROP related retinal detachments in the ITROP study. Kallol MNH, Balakrishnan D, Rani PK, 2) *Co-Chairperson:* Symposium on Retinal degenerations, 3) *Invited speaker:* Clinical, diagnostics and management of retinal degenerations in India and elsewhere, 4) *Invited speaker:* Symposium on ROP. Topic: Planning efficient program for ROP, 5) Analysis of NDP, FZD4 and TSPAN 12 genes in Indian FEVR patients. Musada G, Chakrabarti S, Kaur I.

#### National

- NEOCON 2013: Hyderabad, 12-14 December 2013. *Three engagements:* 1) *Invited panel discussion:* CPAP ventilation of newborns- ROP perspective, 2) *Invited speaker:* Preconference Hands-On Workshop by Pragna hospital, on Premature baby. Topic: Newborn Vision and ROP perspective, 3) *Invited speaker:* Symposium of Visual development. Topic: Vision of Newborns.
- SIGN conference: Bangalore, 26-27 October 2013. *Two engagements:* 1) *Invited speaker:* Stargardts' Heredomacular dystrophy, 2) *Invited speaker:* Interpretation and variations in Flash Electrotoretinography.
- National ROP summit: Queen Elizabeth Diamond Jubilee trust and RP centre, New Delhi, 4-5 October 2013. *Invited speaker:* Setting up ROP program at National level.
- APOS 2013: Warangal, 27-29 September 2013. *Invited panel discussant:* Instruction course on ROP.
- ROP Workshop for Planning for Kolkata and West Bengal by Orbis International: Kolkata, 19- 20 September 2013. *Two engagements:* 1) *Invited Faculty and Keynote Speaker:* Lessons learnt from 15 years of Journey from Journals to the cribs. The Indian Twin Cities ROP experience, 2) *Invited Faculty:* Panel discussion on planning ROP services and training in Kolkata.
- AIOS-Postgraduate Refresher course at KIMS: Hyderabad, 11 August 2013. *Invited speaker:* Paediatric Retinal diseases.
- AIOS-Postgraduate Refresher Course: LVPEI Bhubaneswar, 30 June 2013. *Invited speaker:* Anti-VEGF for ROP.
- ROP workshop by JPM Rotary Eye Hospital: Cuttack, Odisha, 16 June 2013. *Invited speaker:* Current Management strategies in Retinopathy of Prematurity.
- District Eye hospital, Eluru: April 2013. *Invited speaker:* Importance of ROP screening and launching ROP and NES Program under NRHM.
- Ophthalmic Anesthesia conference: Indian society of anesthesiologists, Hyderabad, 7 April 2013. *Invited speaker:* Neonatal vision and issues in anesthesia from Ophthalmologists perspective.

#### Chitra Kannabiran

##### International

- Asia-ARVO: New Delhi, 28-31 October 2013, *Chair and Invited speaker.*
- Shiley Eye Center, UCSD: San Diego, USA, 17 January 2014. *Invited seminar*
- International conference on the Lens: Kona Hawaii, USA, 19-24 January 2014. *Invited talk.*

##### National

- AIOC: Agra, 6-9 February 2014. *Speaker in instruction course:* Ophthalmic genetics.

#### Inderjeet Kaur

##### International

- 4th Asia ARVO meeting 2013: New Delhi, 28-31 October 2013. *Three engagements:* 1) *Invited talk:* Genetic susceptibility to ARMD, 2) *Invited talk:* Role of Immune System in the Pathogenesis of Retinopathy of Prematurity, .3) *Chair for a Symposium.*
- Annual Meeting of ARVO: Seattle, USA, May 2013. *Poster presentation:* Genetic screening of TSPAN12, NDP and FZD4 genes in Indian patients with retinopathy of prematurity.

##### National

- 6th International Conference-GMDMM13-VMRC: Hyderabad, 2013. *Invited talk:* Biomarkers for Retinopathy of Prematurity.

#### Ramesh Kekunnaya

##### International

- Rainbow Children's Hospital: Case Western Reserve University, Cleveland, Ohio, 3 April, 2013. Invited Lectureship: Strabismus Management in Myopes.
- AAPOS, Professional Education Committee meeting: Westin Copley Hotel, Boston, MA, 6 April, 2013,
- WSPOS, Committee meeting: Westin Copley Hotel, Boston, MA, 6 April, 2013,
- AAPOS 2013, Annual Meeting: Boston, MA, 3-7 April, 2013. Four engagements :1) Senior Instructor: Workshop on management of non cataractous lenticular disorders in children2) Instructor: Workshop on Simulated Strabismus Surgery3) Paper presentation: Silicone band loop myopexy: Surgical outcome of this novel Modification4) Poster: SRT for Duane syndrome and Sixth nerve palsy
- Delphi international congenital cataract consensus group meeting: Boston, MA, 7 April, 2013, Panelist.
- IOA West Java Association meeting: Bandung, Indonesia, 12-14 April, 2013. Four engagements:1) Invited talk: Ocular Myasthenia2) Invited talk: Duane syndrome management3) Invited talk: Pediatric Cataract surgery in special situations4) Chairperson: Strabismus symposium
- AAPOS-SNEC Pediatric Ophthalmology Meeting: Singapore, 14-16 July, 2013. Two engagements:1) Invited lecture.2) Debate: Role of Botulinum Toxin in infantile esotropia- NO
- ASIA ARVO 2013: New Delhi, 28 -31 October, 2013. Two engagements: Invited Talk / Chairman: 1) Exo-hypotropia complex in high myopes 2) Whats new and important in Strabismus in 2013 ?
- AAO 2013: New Orleans, USA. Nine engagements:1) Invited talk: What's New and Important in Pediatric Ophthalmology and Strabismus for 2013.2) Invited talk: Strabismus Surgery: A Comprehensive Approach3) Invited talk: Nightmares in Pediatric Cataract Surgery. 4) Poster presentation: Pattern of strabismus in children who undergo cataract surgery5) Poster presentation: Surgical Outcome of Exotropic Duane Retraction Syndrome (DRS). 6) Video presentation: Cataract surgery in Retinoblastoma - Tips and Technique 7) Video presentation: The double trouble in pediatric cataract surgery 8) Video presentation: Congenital Rubella Cataract - A Systematic Management Approach9) Video presentation: Clutch and conquer anterior route lensectomy
- Delphi meeting on international group consensus on Pediatric cataract management: Wills Eye Hospital, Philadelphia, USA, 31 January- 1 February, 2014. Invited member.
- FRCS (Glasgow) Pat 3 examinations: Glasgow, Scotland. 24-27 February, 2014. Organizer.
- 5th Annual scientific meeting of the Malaysian Society of Ophthalmology: Ipoh, Malaysia, 8-9 March, 2014. Four engagements: 1) Invited talk: Pediatric Cataract Surgery in special situations 2) Invited talk: Anterior and posterior capsule management in Pediatric Cataract surgery3) Invited talk: Long term challenges in Pediatric cataract management4) Invited talk: Difficult Strabismus Case

##### National

- Annual ORBIS Partner Meet: ICARE, LVPEI, Hyderabad, 17-18 June, 2013
- Pediatric Ophthalmology CME: LVPEI Bhubaneshwar, 6 July, 2013. Talk: Evaluation of child for eye diseases
- AOCMF Advances Symposium on Orbital Injuries & Reconstruction: Hyderabad, 16-18 August, 2013. Two engagements:1) Invited lecture. Diplopia evaluation and management 2) Invited lecture: Traumatic optic neuropathy and Strabismus
- Pediatric Ophthalmology CME: LF Hopital, Angamaly, Cochin, 1 September, 2013. Three engagements: 1) Invited lecture: Management of paralytic strabismus 2) Invited lecture: New advances in Strabismus 3) Invited lecture: Pediatric cataract management in special situations
- Pediatric Ophthalmology CME: Aurangabad, 21 July, 2013. Three engagements:1) Invited lecture: Congenital Esotropia 2) Invited lecture: Surgical option in Duane syndrome 3) Pediatric Cataract Surgery
- Vista 2013, Gujarat Ophthalmology Society annual meeting: 14-15 September, 2013. 1) Invited lecture: Management of strabismus in myopes 2) Panelist: IJO session, How to write a case report ?
- Academy of Pediatrics (AOP) CME: Ahmedabad, 22 September, 2013. Three engagements: 1) Invited lecture: Screening for

- Childhood eye diseases by a busy Pediatrician 2) Invited lecture: How to rehabilitate a visually impaired child ? 3) Invited lecture: Overview of Pediatric Cataract
- APOC 2013, Annual meeting: Warangal, 27-29 September, 2013: Four engagements: 1) Invited talk / Chairman / Panelist: Decision making in Pattern strabismus 2) Invited talk / Chairman / Panelist: Special tests in Strabismus evaluation3) Invited talk / Chairman / Panelist: Aphakia or pseudophakia in children (less than 1 year) with cataract 4) Case presentation: Clinical challenges
  - EYE PEP, Workshop and lectures in Pediatric Ophthalmology, Strabismus and Neuro ophthalmology: LVPEI, Hyderabad. 1 October, 2013
  - LVPEI Alumni Day: 17 October, 2013, Co-ordinator.
  - LVPEI - UHH Multisensory workshop: Organizer / Lecture.
  - Pediatric cataract surgery: methods and outcomes, LVPEI: Hyderabad , 24 October, 2013,
  - MOSCON 2013: Nagpur, 25-27 October, 2013.Five engagements: Invited Talk / Chiarman / Moderator :1)Live surgery performance 2) Strabismus surgery under topical anesthesia3)Aphakia Vs Pseudophakia in children with cataract4) Biometry in children 5)Ocular myasthenia in children
  - KOS 2013: Hassan, 8-10 November, 2013.Four engagements: Invited Talk / Chairman: 1) Imaging in Neuro ophthalmology2) Evaluation of a case of Nystagmus3) Strabismus evaluation in children4)Pediatric Cataract surgery in difficult situations
  - Focus -2013, SSI Annual meeting:Pune, 7-8 December, 2013. Invited Talk / Moderator: Paradigm shift in the management of esotropia Duane Syndrome
  - PG Update :Sankara Eye Hospital, Bangalore, 3 January, 2014. Two engagements:1) Invited speaker:Childhood esotropia management.2)Invited speaker: Diplopia- the double trouble 'Kazcha' International Pediatric Ophthalmology Symposium: Cochin, Kerala,4-5 January, 2014. Two engagements:1) Invited speaker: Pediatric Cataract:evaluation & management2)Invited speaker: Management of strabismus in myopia
  - Workshop on vision assessment in children with multiple disabilities: LVPEI, Hyderabad, 23 January, 2014. Organizer / Lecture.
  - 7th Annual Champalimaud Research symposium: LVPEI, Hyderabad, 2 February, 2014.Talk: Recovery of sensory functions after congenital visual deprivation
  - AIOS Annual meeting: Agra, UP, 2-6 February, 2014. Six engagements:1) Invited talk: Clinical evaluation of a nystagmus case 2) Invited talk: Pediatric Cataract surgery in coexisting ocular pathology 3) Invited talk: Complex strabismus case presentation 4) Invited talk: Papilledema. 5) Breakfast course: Pediatric Cataract surgery 6) Paper presentation: SRT Vs MR recession in Esotropic Duane Retraction syndrome
  - VasKON'14: Chennai, 22-23 March,2014. Four engagements: 1) Invited talk: To implant or not to IOL in children. 2) Invited talk: Faden - far reaching implications.3) Chairperson: Let there be light, Pediatric Cataract Symposium 4) Panelist: Interesting Strabismus Case presentation

#### Rohit Khanna

##### International

- Association for Research in Vision and Ophthalmology (ARVO) 2013 Annual Meeting: Seattle, Washington,5 - 9 May, 2013; *Poster presentation*: Dietary Glycemic Index and Risk of Age-Related Cataract: Findings from Andhra Pradesh Eye Disease Study. Co-authors: Suneetha Sapur, Sannapaneni Krishnaiah, Gullapalli N Rao

#### Anil K Mandal

##### International

- 5th World Glaucoma Congress: Vancouver, Canada, 17-20 July 2013; *4 Engagements*: Co-Leader - consensus meeting on Surgery of Childhood Glaucoma; *Invited faculty* - instruction course on The Management of Primary Congenital Glaucoma and presented on 'Surgical management of primary congenital glaucoma'; *Video presentation*: Glaucoma in phacomatosis pigmentovascularis; *Video presentation*: Management of congenital glaucoma associated with stickler syndrome
- Annual meeting of American Academy of Ophthalmology (AAO): New Orleans, 16-19 November 2013; *6 Engagements*: *Instruction Course*: The Developmental Glaucomas: Diagnosis and Management in 2013; *Instruction Course*: Complications Following Glaucoma Filtering Surgery: Face them Boldly, Manage them Efficiently;

*Instruction Course*: The Management of Neovascular Glaucoma in 2013; *Poster presentation*: A Twenty-Year Follow-up Study of Primary Developmental Glaucomas: The Experience of a Single Surgeon at a Tertiary Eye Care Center in Southern India; *Poster presentation*: Surgical Outcome of Infantile Glaucoma Presented With Acute Corneal Hydrops; *Invited lecture*: (Tulane University Medical Centre), 25 years of experience in the management of pediatric glaucoma.

- Annual Scientific Meeting of West Java Indonesian Ophthalmologists' Association: Bandung, Indonesia, 7-9 March 2014; *Instruction course*: Comprehensive management on congenital glaucoma

##### National

- Anterior Segment Update 2013 organized by Hyderabad Ophthalmologists' Association: Hyderabad, 8 September 2013; *3 Engagements*: *Invited faculty and Chair* for Scientific Session; Medical therapy of childhood glaucoma, *Video presentation*: Exploration of Schlemm's canal and primary combined Trabeculotomy-trabeculectomy (CTT) for developmental glaucoma: a twenty year experience

#### Indumathi Mariappan

##### International

- Asia ARVO: New Delhi, 27-31 October 2013. Derivation and retinal differentiation of patient-specific induced pluripotent stem cells. Vauhini V, Maddileti S, Kannabiran C, Jalali S, Naik M, Balasubramaniam D.

#### Srinivas Marmamula

##### International

- Asia ARVO: New Delhii, 28-31 October 2013. *Poster presentation*: Reasons for Poor Uptake of Eye Care Services in South India: The Rapid Assessment of Visual Impairment (RAVI) Project, Narsaiah S, Shekhar K, Rohit Khanna, Rao GN.

##### National

- Universal Coverage through Primary Eye Care Meeting: LAICO, Aravind Eye Hospital, Madurai, India, 30 September-2 October 2013. *Presentation*: LVPEI Vision Centre Model.

#### Srikanth Masedupalli

##### International

- Asia ARVO: New Delhi, 29-31 October 2013. *Poster Presentation*: The effect of different grades of Spectacle tinted lenses on stereoaucuity and visual acuity. Co-authors: Vinod Kumar Maddur, Amulya Adike, Shrikant R Bharadwaj.

##### National

- Clinical skills and Dispensing optics workshops conducted by India Vision Institute (IVI):Rohtak, Haryana, Vijayawada and Hyderabad. *Invited talks*.

#### Annie Mathai

##### International

- Indo-China ocular inflammation meeting: Ho-Chi-Minh City, Vietnam, 24-26 October 2013. *Invited Speaker*.

##### National

- VRSI 2013: Lavasa, Pune, 11-13 December 2013. *Invited Speaker*.

#### Ashik Mohamed

##### International

- International Conference on the Lens: Kona, Hawaii, USA, 19-24 January 2014. *Two engagements*: 1) *Platform Session*: Lens and Accommodation. Topic: Biometry and Growth: Through the Human Eye Lens. Coauthors: Heather Durkee, Arthur Ho, Virender S Sangwan, Robert C Augusteyn, 2) *Platform Session*: Lens and Accommodation.Topic: Are monkeys good models for studying ageing of human vision. Robert C Augusteyn, Bianca Maceo, Jean-Marie Parel.
- AAO Annual Meeting 2013: New Orleans, USA, 16-19 November 2013. *Scientific Poster*: Penetrating Keratoplasty and/or Descemet-Stripping Endothelial Keratoplasty in Children with Congenital Hereditary Endothelial Dystrophy: Two Decades of Our Experience. Muralidhar Ramappa, Sunita Chaurasia, Pravin Vaddavalli.
- The 4th Asia-ARVO Meeting: New Delhi, India, 28-31 October 2013. *Poster Session* on Lens, Topic: Fiber Cell Compaction in Adult Human Lenses Begins Near the Remodeling Zone in the Outer Cortex. Kurt O. Gilliland, William C. Fowler, Sönke Johnsen, M J. Costello.
- ARVO 2013 Annual Meeting: Seattle, Washington, USA, 5-9 May 2013. *Two engagements*: 1) Fiber Cell Compaction in Adult Human

Lenses Begins Near the Remodeling Zone in the Outer Cortex. Invest Ophthalmol Vis Sci 2013;54: E-Abstract 5733. M Costello, Kurt Gilliland, William Fowler, Sönke Johnsen, 2) Autophagy mediates mitochondrial degradation in the developing and adult eye lens. Invest Ophthalmol Vis Sci 2013;54: E-Abstract 4043. Marc Kantorow, Daniel Chauss, Ashik Mohamed, Kurt Gilliland, Lisa Brennan, M Costello

### Swapna Reddy Motukupally

National

- 37th National Congress of Indian Association of Medical Microbiologists - MICROCON 2013: Hyderabad on 22-24 November 2013. *Oral presentation:* Outbreak of Postoperative Surgical Site Infection After Cataract Surgery: Microbiological Investigation Into Source Of Infection.
- 10th National Congress of SIHAM: Coimbatore, 10-12 January 2014. *Presentation:* Ocular infections caused by Candida species: type of species, in vitro susceptibility and treatment outcome.

### Ruchi Mittal

National

- APOS: Warangal, September 2013. *Instructor:* Pathology for Ophthalmologists.
- EyePEP: Hyderabad, October 2013. *Four engagements:* 1) *Faculty:* Pathology of Conjunctiva, 2) *Faculty:* Pathology of Orbit, 3) *Faculty:* Pathology of Intraocular Tumors, 4) *Faculty:* Pathology of Eyelid.
- Clinico-pathological Correlation(CPC). Bhubaneswar.October 2013. Rochester Class.
- CPC. Bhubaneswar. Jan 2014. Rochester Class.
- CPC. Bhubaneswar. March 2014. Rochester Class.
- AIOS: Agra, February 2014. *Instructor:* A- Z of Orbital tumours.

### Milind Naik

International

- AO Advances Symposium -in Orbital Trauma and Reconstruction: Colombo, Sri Lanka, 9-10 September 2013

National

- Annual Meeting of Bombay Ophthalmic Association: Mumbai, 3 August 2013
- Annual Meeting of the Oculoplastics Association of India: Bangalore, 6-8 September 2013

### Vanita Pathak-Ray

International

- World Glaucoma Congress: Vancouver, Canada, July 2013; *5 Engagements; Paper/ Poster presentation:* V Pathak-Ray, P Gogte, G C Sekhar - Biometric Parameters in Persistent Irido-corneal Angle Occludability post Laser Peripheral Iridotomy; *Paper/ Poster presentation:* V Pathak Ray, V Rath, S Pottipocharla, UK Addepalli - Comparison of Central Corneal Thickness in Mild, Moderate and Severe Myopes with Ultra Sonography (USG), Orbscan and Anterior Segment Optical Coherence Tomography (ASOCT) in Indian eyes; *Paper/ Poster presentation:* V Pathak-Ray, P Gogte, HBL Rao, G C Sekhar - Dynamic Iris Volume Changes With Anterior Segment Optical Coherence Tomography in Persistent Irido-Corneal Angle Occludability Post Laser Peripheral Iridotomy; *Video presentation:* V Pathak-Ray, S Dikshit - Exchange of Ahmed Glaucoma Valve (AGV) via a Joint Tube in persistent Plate Exposure; *Video presentation:* V Pathak-Ray, R Khanna, N Chaudhuri, G Chandra Sekhar - Resolution of bilateral chronic hypotonous maculopathy following fortuitous management of bleb leak with autologous and heterologous donor tissue

National

- Glaucoma CME: Hyderabad, March 2014; *Invited Talk/ Lecture:* AADI valve insertion - technique and complications
- UoH: Hyderabad, March 2014; *Invited Talk/ Lectures:* Beat Invisible Glaucoma
- Kolkata Academy of Ophthalmology: Kolkata, December 2013; *3 Invited Talks/ Lectures:* Suspicion of Glaucoma needs referral to a Glaucomatologist; Management of Tube exposure; Management with ExPress shunt
- APOC: Warangal, October 2013; *3 Invited Talks/ Lectures:* Newer Glaucoma Surgeries; ExPress Shunt Implantation; Co-existing Aqueous Misdirection and Supra-choroidal drainage
- EyePEP: LVPEI Hyderabad, October 2013; *3 Invited Talks/ Lectures:* Comprehensive Eye Examination - why and how; Optic Disc assessment in Glaucoma; Treatment Algorithms in glaucoma; Newer surgeries in Glaucoma
- Glaucoma Society of India Annual Meeting: Indore, September

2013; *4 Engagements;* Invited Talk/ Lecture: Survey of Glaucoma Practice Patterns in India; *Invited Talk/ Lecture:* Diagnostic Dilemmas - closed angle, glaucomatous disc and normal IOP; *Video presentation:* V Pathak-Ray, S Dikshit - Successful remarriage between FP7 to FP8 plate of Ahmed Glaucoma Valve following joint tube counseling; *Video presentation:* C Premanand, V Pathak-Ray - Technique of rip cord insertion and removal in AADI valve

### Niranjan Pehere

National:

- 72<sup>nd</sup> annual conference of All India Ophthalmological Society: Agra, 6 February, 2014. *Two engagements:* 1) *Free paper:* Visual impairment in Children with Hearing Impairment in Guntur District 2) *Key note address* at Neuro-ophthalmology session: A tool to assess cognitive visual problems in children with cerebral visual impairment
- AIOS-Sun Pharma Post-graduate Education Program: LVPEI, Bhubaneswar, 6 July, 2013. *Three engagements:* 1) Evaluation of a child with strabismus 2) Duane's Retraction Syndrome: What is new in the management? 3) Video Assisted Interactive Teaching: Pediatric cataract surgery
- AIOS-Sun Pharma PG education program: Hyderabad, 11 August , 2013. *Two engagements:* 1) Examination of pupil 2) Localization of lesion in Neuro-ophthalmology
- Post-graduate education program: EYE-PEP, LVPEI, Hyderabad, 2 October, 2013. *Three engagements:* 1) Basics of pediatric cataract surgery 2) Paralytic Strabismus 3) Localization of Lesions

### Charanya Ramachandran

International

- 4<sup>th</sup> Asia ARVO meeting 2013: *Invited talk and oral presentation:* Comparison of limbal epithelial cell growth on synthetic, degradable polymer membranes with and without microfabricated pockets.

National

- 6<sup>th</sup> World Congress on Preventive and Regenerative meeting (WCPRM): Bhubaneswar 2013. *Invited talk:* Making treatment for limbal stem cell deficiency more accessible.
- India Vision Institute online seminar series for Optometrists: January 2014. Stem cells in Ocular Regeneration.
- Champalimaud research symposium: Jan 2014. Synthetic scaffolds for delivering limbal epithelial cells.

### Muralidhar Ramappa

International

- ASCRS: April 2013, San Francisco, USA. *Four engagements:* 1) *Poster:* Congenital corneal keloid in a pediatric age group: A clinical and histopathological correlation after successful Deep Anterior Lamellar Keratoplasty (DALK). Muralidhar Ramappa, Sunita Chaurasia, Rupal H Trivedi, M E Wilson, 2) *Poster:* Re-Interventions For Any IOL Placed In Childhood: Indications, Intraoperative Challenges And Outcomes. Muralidhar Ramappa, Rupal H Trivedi, M E Wilson, .3) *Video:* Holistic approach in the management of Pediatric cataract, 4) *Video:* Deep Anterior Lamellar Keratoplasty in Children.
- AAO 2013: New Orleans, USA, 15-19 November 2013. *Eleven engagements:* 1) *Star rated scientific poster:* Pediatric keratoplasty, 2) *Star rated videos:* Two surgical videos on Pediatric anterior and posterior lamellar surgeries have received highest rating within the subspecialty and selected for a special screening in the "Learning lounge", 3) *Video:* Holistic approach in the management of Pediatric cataract, 4) *Video:* Deep Anterior Lamellar Keratoplasty in Children, 5) *Video:* Descemet's Stripping Endothelial Keratoplasty in Pediatric Age Group, 6) *Instruction course:* Nightmares in Pediatric Cataract Surgery, 7) *Instruction course:* Pediatric Corneal Infections: A Systematic Approach to Diagnosis and Management, 8) *Scientific poster:* Outcomes of Patch Grafts in Patients With Burkholderia cepacia Tunnel Infection Following Cataract Surgery Due to Contaminated Topical Anesthetic Drops, 9) *Scientific poster:* Penetrating Keratoplasty and/or Descemet-Stripping Endothelial Keratoplasty in Children With Congenital Hereditary Endothelial Dystrophy: Two Decades of Our Experience, 10) *Scientific poster:* Trends in In Vitro Antibiotic Susceptibility for Pseudomonas Species Corneal Infection at a Tertiary Eye Care Center in South India, 11) *Scientific poster:* Preoperative, Intraoperative, and Postoperative Outcome of Cataract Surgery in Children With Down Syndrome.

National

- AIOC 2014: Agra, 6-9 February 2014. *Seven engagements:* 1)

**Abstract:** Penetrating Keratoplasty (PK) in cases of Post Herpetic (HSV) vascularized scars: Indications, Surgical Challenges and Outcomes, 2) **Abstract:** Penetrating Keratoplasty (PK) and or Descemets Stripping Endothelial Keratoplasty (DSEK) in children with Congenital Hereditary Endothelial Dystrophy (CHED): Two Decades Of Our Experience, 3) **Abstract:** Clinical Spectrum Of Conjunctival Tuberculosis (TB), 4) **Abstract:** Intraocular exchange due to myopic shift of refraction in pseudophakic eyes of children, 5) **Video abstract:** Deep Anterior Lamellar Keratoplasty in Children, 6) **Video abstract:** Descemet's stripping endothelial keratoplasty in pediatric age group, 7) **Video abstract:** Holistic approach in the management of Pediatric cataract.

#### Aparna Rao

##### International

- ARVO: Seattle, USA, 04-09 May 2013. *Two engagements:* 1) Preference pattern of low vision aids in glaucoma - redefining guidelines. Monira S, Chowdhury M. 2) Comparing functional damage by Multifocal ERG and visual fields in all severities of glaucoma. Mukherjee S, Singh A, Chowdhury M.

##### National

- GSI 2013: September 2013. Medical therapy in glaucoma - which drug to start.
- Glaucoma Basic and Masters Course: March 2014. Visual field basics and interpretation.
- 2nd international conference on Angiogenesis: KIIT, Bhubaneswar, February 2014. Ocular angiogenesis.

#### Gullapalli N Rao

##### International

- Bethune Round Table 2013: Vancouver, Canada, 11 May 2013. *Invited speaker:* Integrating Surgical Care Initiatives with National Health Care priorities.
- Cole Eye Institute: Cleveland, Ohio, USA, 16 – 17, May 2013. *Visiting Professor:* Blindness and Visual Impairment: Can we control it Globally?
- Case Western Research University: Cleveland, Ohio, USA, 16 May 2013. *Visiting Lecturer:* Quality eye Care at the bottom of the pyramid.
- ASIA - ARVO 2013: New Delhi, India, 29 October, 2013. *Invited speaker:* Creating a Research Institute.
- University of Rochester: Rochester, USA, 12 November, 2013. *Invited speaker:* LVPEI Story.
- AAO 2013: New Orleans, USA, 18 November, 2013. *Invited speaker:* What has been achieved: Advocacy, Funding and Investments.
- Partners Healthcare International, Boston, USA, 20 November, 2013. *Invited speaker:* LVPEI Eye Care Model
- Champalimaud Meeting: Brazil, 28 November, 2013. *Invited speaker:* New Frontiers of Research at LVPEI.
- International Congenital Cataract Symposium: New York, USA, 7 March, 2014. *Two engagements:* 1) *Moderator.* Session: Pediatric Cataract Initiative. 2) *Invited speaker:* World Health Organisation VISION 2020: Project and Childhood Blindness,

##### National

- ORBIS Workshop: Hyderabad, India, 17 June, 2013. *Invited speaker:* LVPEI Story
- LVPEI - Visit of Liberia President: Hyderabad, India, 10 September, 2013. *Invited speaker:* Liberia Eye Health Initiative.

#### Suryasnata Rath

##### International

- Nepal Ophthalmic Society Meeting: Pokhara 28-29 September 2013. *Three engagements:* 1) Retinoblastoma - Where do we stand? 2) Eyelid reconstructions, 3) Scarless DCR.

##### National

- Oculoplastic Association of India (OPAI 2013): Bangalore, 6-8 September 2013. *Two Engagements:* 1) Eyelid Reconstructions, 2) Non-Endoscopic Endonasal DCR.
- AIOS 2014: 6- 9 February 2014. *Instruction course:* Non-endoscopic endonasal DCR.

#### Sonika Rathi

##### International

- ARVO: May 2013. Quantitative Analysis of Vitreous Humor Reveals Distinct Protein Profiles in Patients with Retinopathy of Prematurity. Chakrabarti S, Musada GR, Jalali S, Kekunaya R, Kaur I
- Asia ARVO: New Delhi, 28-31 October 2013. Role of complement component and ECM proteins in ROP. Chakrabarti S, Rao MG,

Jalali S, Kekunaya R, Kaur I.

#### Jagdesh C Reddy

##### International

- AAO 2013: New Orleans, USA. *Two engagements:* 1) *Poster:* Scleral Contact Lens in Pellucid Marginal Degeneration. Varsha M Rath, Preeji Mandathara, Srikanth Dumpati, 2) *Video:* Management of epithelial ingrowth after Laser in situ keratomileusis: Case based scenarios, Christopher J Rapuano, Huan Pham, Pravin KVaddavalli.

##### National

- Pediatric Ophthalmology & Strabismus Course: Bhubaneswar, 6 July 2013. Evaluation and management of pediatric corneal diseases.
- Hyderabad Ophthalmologists' Association meeting on Infectious Keratitis: Hyderabad 21 July 2013. *Two engagements:* 1) Role of tissue adhesive, amniotic membrane and superficial keratectomy in infectious keratitis, 2) DALK in infectious keratitis.
- Refractive surgery 360: Hyderabad, India, 17-18 August 2013. *Three engagements:* 1) The Thin Red Line: Diagnostics and imaging, 2) Basic map reading and comparing topography devices :Carlos Arce course on corneal topography, 3) Corneal Topography, Skills transfer course.
- APOC-2013: Warangal India, 27-29 September. *Nine engagements:* 1) *Vengal Rao Free paper Session:* Quality of vision after excimer laser phototherapeutic keratectomy with intraoperative mitomycin-C for Salzmann's nodular degeneration, 2) *Symposium:* Causative organisms and sensitivities, 3) *Invited speaker:* Update on Infective keratitis, 4) *Instruction course:* Excimer laser PTK for anterior corneal diseases, 5) *Instruction course:* Biometry and IOL power calculation. Sharat Babu's Refractive cataract Surgery Symposium, 6) *Swarup's Video Competition Session-II:* Management of epithelial in-growth after laser in-situ keratomileusis: case based scenarios, 7) *Swarup's Video Competition Session-II:* Two incision push-pull capsulorrhesis in children, 8) *Instruction course:* Is there a role of clear lens extraction? 9) *Instruction course:* Laboratory diagnosis of herpes simplex keratitis,
- KOS 2013: Hassan, 8-9 November 2013. *Three engagements:* 1) *Free paper session:* Quality of vision after excimer laser phototherapeutic keratectomy with intraoperative mitomycin-C for Salzmann's nodular degeneration, Christopher J. Rapuano, Parveen K Nagra, Kirsten M. Hammersmith, 2) *Free paper session:* Comparison Of Corneal Thickness Measurements By Dual Scheimpflug Analyzer and Ultrasound Pachymeter, Christopher J. Rapuano, Parveen K Nagra, Kirsten M. Hammersmith, 3) *Video competition session:* Management of epithelial in-growth after laser in-situ keratomileusis: case based scenarios. Christopher J. Rapuano, Pravin K Vaddavalli.

#### Ashutosh Richhariya

##### International

- Asia-ARVO 2013: New Delhi, 31 October, 2013 Advances in Ocular Imaging session, *Invited talk:* Corneal Biomechanics.

##### National

- Pervasive Healthcare: Hyderabad: 23 March 2013. *Panel discussion:* Cyber Physical Systems: Applications and Open Challenges

#### Virender Sachdeva

##### National

- 37<sup>th</sup> Annual meeting of Andhra Pradesh Ophthalmological Society: Warangal, 27-29 September 2013; 5 *Engagements;* *Talk:* 'Interview and Inspection' at Strabismus Symposium; *Talk:* 'Re-operations in Horizontal Strabismus' in Symposium on 'Decision Making in Strabismus'; *Talk:* 'Prediction Error in Strabismus: Can we Reduce it' at Pediatric Cataract Symposium; *Free paper:* Sachdeva V, Mittal V, Gupta V, Bawdekar A, Gunturu R, Kekunnaya R - Combined Atropine and Occlusion Therapy in Refractory and Residual Amblyopia; *Instruction course:* Strabismus Evaluation
- 72<sup>nd</sup> Annual conference of AIOC: Agra, 6-10 February 2014; 5 *Engagements;* *Talk:* Unilateral Disc Edema; *Free paper:* Sachdeva V, Mittal V, Gupta V, Bawdekar A, Gunturu R, Kekunnaya R. Combined Atropine and Occlusion Therpay in Refractory and Residual Amblyopia; *Video presentation:* What do I need to investigate in a case of Pediatric Cataract before I Operate - Virender Sachdeva, Vaibhav Mittal, Merle Fernandes, Ramesh Kekunnaya, Vivekanand U Warkad; *Instruction course:* Cross-roads in pediatric cataract
- 'Looking Beyond the Eye-2' CME on eye and systemic diseases: LVPEI Visakhapatnam, 7 July 2013; Organising Secretary and

Speaker; 7 Talks: Numb and number - Multimodal anaesthesia; Murmur or no murmur- Anaesthesia in CVS case; Too dandy to walk -Anaesthesia in Dandy walker syndrome; Hunchback of Notre Dame - Anaesthesia in severe kyphoscoliosis; The swollen disc - evaluation of Disc Edema; Double vision- Double trouble: recurrent ophthalmoplegia in Idiopathic hypertrophic pachymeningitis; Does it stop with the eye - Nervomyelitis optica

#### Virender S Sangwan

##### International

- International Society for Stem Cell Research (ISSCR): Boston, USA, 11 – 14 June 2013; *Poster presentation:* Outcome of Ipsilateral CLET
- Asia Cornea Society Cornea Day at APACRS: 9 -13 July 2013; *Talk:* Treatment of Bilateral Limbal Stem Cell Deficiency (CLET vs BostoKpro)
- Oman Ophthalmic Society Annual Meeting: Muscat, 11-14 December 2013; *Talk:* surgical management of Limbal stem cell in chronic chemical burns
- West Java IOA Scientific Meeting: Bandung, Indonesia; 7- 9 March 2014; 4 *Talks:* Stem Cell Therapy for Ocular Surface; Boston Kpro: Indications, Outcomes and Surgical technique; Vernal Keratoconjunctivitis: An enigma for clinicians; and Peripheral ulcerative keratitis: Surgical management

##### National

- Delhi Ophthalmologic Society: New Delhi, 12-14 April 2013; *Lecture:* Boston Keratoprosthesis.
- Santen Uveitis (SAKURA) trial update: Ghaziabad, UP; 25 June 2013; *Chair and Lecture Practical Management of Uveitis*
- Engineering the Eye Workshop with MIT-Media Lab and BITS Hyderabad: Hyderabad, 7-14 July 2013; *Organizer and Talk on - Innovation and clinical translation*
- Bombay Ophthalmology Association: Mumbai, 2-3 August 2013; 3 *Talks* - Limbal transplantation, Innovations session: SELT, and Treatment of Bilateral LSCD
- Srujan Innovation Centre: LVPEI, Hyderabad, 25 October 2013; *Organizer and Talk on Innovation at LVP*
- Asia ARVO: New Delhi, 28-31 October 2013; Invited Faculty, 2 *Talks:* Boston KPro- our experience; Biology of ocular surface disease
- ICMR workshop on Clinical translation of Stem cell: 30 October 2013; *Talk:* Limbal Transplantation Safety and Efficacy
- India Inclusion Summit organized by SAP Labs and INK Talks: Bangalore, 30 November 2013; *Talk - Innovation and the visually challenged*
- MIT-IIT-Mumbai Workshop at Wellinger School: Mumbai, 27 January 2013; *Talk - Engineering The Eye*
- All India Ophthalmological Society: Agra, 6-9 February 2014; 4 *Engagements:* *Paper presentation:* Endophthalmitis in Keratoprosthesis : A Report from a Referral Eye Care Centre in South India. Narayanan R, Bhavik Uttam Panchal, Jay Kumar Chhablani, Avinash Pathengay, Sangwan VS; *Video presentation:* Scleral Patch Graft in Nodular Scleritis due to Hansen's Disease : A Rare Presentation, Murthy SI, Rathi Varsha Madanlal, Sangwan VS; *E-poster:* Clinical Spectrum of Conjunctival Tuberculosis. Muralidhar Ramappa, Sunita Chaurasia, Murthy SI, Sangwan VS; *E-poster:* Visual Outcomes at Long-Term followup of Keratoplasty in Xeroderma Pigmentosa. Murthy SI, Rathi Varsha Madanlal, Sangwan VS
- Ranbaxy Science Foundation Symposium on Regenerative Medicine: National Institute of Immunology, New Delhi, 22 March 2014. *Talk:* Limbal Stem Cell Transplantation: Safety & Efficacy

#### PremNandini Satgumam

##### International

- Asia ARVO 2013: New Delhi, 28-31 October 2013. *Poster presentation:* Feasibility of a visual search experiment in a hospital based setting. Babukutty C.S.

##### National

- Sankara Nethralaya: Chennai, 15 June 2013. *Invited talk:* Bitemporal Hemianopia - What we know and don't know.
- Low Vision Awareness Program at LVPEI: Hyderabad, April & September 2013. *Instruction lecture:* Management of Hemianopia.
- University of Hyderabad for World Sight Day: October 2013. *Invited talk:* Vision Rehabilitation.
- Workshop at India Vision Institute: Hyderabad 27-28 February 2014. *Invited talk:* Geriatric Optometry: What the Young Minds Should Know.

#### G Chandra Sekhar

##### International

- Association for Research in Vision and Ophthalmology (ARVO):

Fort Lauderdale, USA, 5-9 May 2013; *Poster presentation:* Ability of spectral domain optical coherence tomography to diagnose preperimetric glaucoma.

- World Glaucoma Congress: Vancouver, Canada, 15-20 July 2013; *Lecture:* Unmet Needs in Glaucoma, Self sustaining models of eye care delivery; Glaucoma Grand Rounds; *Lecture:* Clinical skill vs technology for glaucoma diagnosis in the developing world.
- HORIZON Advisory Board Summit Y2013: Shangri-La's Tanjung Aru Resort, Kota Kinabalu, Sabah, East Malaysia, 30 August-1 September 2013.

##### National

- GLAUCOMSAVVY 2013 CME: Dr Thakorhai V Patel Eye Institute, Vadodara, 7 April 2013; Invited faculty: 3 *Lectures* - Gonioscopy - Learning the nuances, ONH examination: better than the imaging techniques, and HVF-VFI and Basics of visual field progression
- Asia ARVO: New Delhi, 28-31 October 2013; *Lecture - Glaucoma management:* Understanding Glaucoma; The impact of Glaucoma: Understanding the patient's perspective

#### Sirisha Senthil

##### International

- International Congress on Glaucoma Surgery (ICGS) 2014: Singapore, 20-22 February 2014, 2 *Engagements:* *Presentation:* Prevalence and the Incidence of Glaucoma in Boston type I keratoprosthesis; *Video presentation:* Tube Extender for retracted tube in a child with aniridia

##### National

- GLAUCOMSAVVY: Vadodara, 7 April 2013; 3 *Engagements:* *Invited speaker:* Neovascular Glaucoma: Fighting the devil; *Invited speaker:* Uveitic Glaucoma: How do I manage? *Invited speaker:* Tubes in my practice
- Symposium on Glaucoma Management: HOA, 19 April 2013; *Invited speaker:* Is Combined Surgery Indicated In All Patients with Cataract and Glaucoma?
- International Symposium on Intraocular Surgery: Trivandrum, 22-23 June 2013; *Invited speaker:* Is trabeculectomy still the preferred glaucoma surgery? *Invited speaker:* Management of postsurgical secondary glaucomas (post cataract surgery)
- DOS meeting: New Delhi, 1 September 2013; *Invited faculty:* When to do primary implant in glaucoma
- Hyderabad Ophthalmomogical Association meeting: Hyderabad, 8 September 2013; *Invited faculty:* Overview on medical management of glaucoma
- 23rd Annual Conference of Glaucoma Society of India: Indore, 20-22 September 2013; 3 *Engagements:* *Invited faculty :* Pathogenesis of Glaucoma; *Invited faculty:* Classification and early diagnosis of pediatric glaucoma; *Invited faculty:* What next when primary surgery fails
- 37th Annual Meeting of the Andhra Pradesh Ophthalmological Society: Warangal, 27-29 September 2013: 2 *Engagements;* *Video presentation:* ICL explantation with trabeculectomy; *Chiefinstructor:* Symposium on Newer Glaucoma Surgeries
- Eye-PEP 2013: LVPEI Hyderabad, 1-6 October 2013; 2 *Engagements;* *In-house faculty:* Key aspects of Medical Management; Newer surgery in Glaucoma
- All India Ophthalmological Society annual meeting: Agra, 6-9 February 2014; 3 *Engagements:* *Talk:* Women in Ophthalmology: How to balance personal and professional life; *Keynote address* for 2012 State Best paper; *Video presentation:* Processing Donor Sclera in the Eye Bank
- Glaucoma Basic & Masters Course: LVPEI, 16 March 2014; 2 *Engagements;* *In- house faculty* for Steroid induced glaucoma and Neovascular glaucoma; *Video presentation:* Implants in glaucoma

#### Savitri Sharma

##### International

- Cornea Day (jointly organized by Asia Cornea Society, Cornea Society and 26th APACRS Annual meeting): Suncity Convention Centre, Singapore, 11 July 2013. *Invited talk:* New Diagnostics for Corneal Infections.
- OMIG 2013: New Orleans, USA. 15 November 2013., *Presentation:* Correlation of in vitro antifungal susceptibility and treatment outcome in patients with Fusarium keratitis,
- Asia ARVO 2013: New Delhi, 28-31 October 2013. *Three engagements:* 1) *Invited Speaker:* Symposium on Infections and Eye Disease, Topic: Emerging parasitic infections by Acanthamoeba and Microsporidia, 2) *Poster presentation:* Session on Immunology and Microbiology, Topic: Efficacy of liquid culture media in the diagnosis

of microbial keratitis. Yogesh Bhadange, Sujata Das, Srikant K Sahu  
 3) *Co-author in Free paper:* Development and evaluation of loop mediated isothermal amplification assay targeting MPB64 gene for the diagnosis of ocular tuberculosis. Praveen Kumar Balne, Manas Ranjan Barik, Soumyava Basu.

- AAO 2013: New Orleans, USA, 16-19 November 2013. *Two engagements:* 1) *Poster presentation:* Does intracameral cefuroxime reduce postcataract surgery endophthalmitis? 2) *Poster presentation:* Comparison of Voriconazole and Natamycin eye drops in the treatment of Fungal Keratitis.

#### National

- CME on Refractive cataract surgery focus 2013: Accord Metropolitan, Chennai, 2 June 2013. organized by Uma Eye Clinic, Chennai. *Invited talk:* Microbiology of Endophthalmitis
- CME on Ocular Mycosis: the Clinicomicrobiological Perspective: MS Ramaiah Medical College, Bangalore, 21 July 2013. *Invited talk:* Laboratory aspects of Ocular Mycosis.
- Andhra Pradesh Ophthalmology Society (APOS) annual meeting at Kakatiya Medical College, Warangal 27-28 September 2013. *Three engagements:* 1) *Invited talk:* Update on infectious keratitis: Recent changes in susceptibility pattern of microbes, 2) *Invited talk:* Secondary and tertiary level laboratory diagnosis of ocular infections, 3) *Invited talk:* Publishing Research Findings.
- 37th National Congress of Indian Association of Medical Microbiologists - MICROCON 2013: Hyderabad, 22-24 November 2013. *Presentation:* Outbreak of Postoperative Surgical Site Infection After Cataract Surgery: Microbiological Investigation Into Source Of Infection.
- 29th Annual conference of Odisha State Ophthalmological Society: Cuttack, Odisha, 14-15 December 2013. *Invited speaker:* Symposium on Corneal Infections: Microbiology of Corneal Infections at OSOCON 2013,
- 10th National Congress of SIHAM: Coimbatore, 10-12 January 2014. *Three engagements:* 1) *Invited speaker:* Symposium on Planning, Conducting and Publishing Research. Topic: Publishing Research Findings, 2) *Invited faculty:* Workshop on Clinical Fusarium and Fusariosis. Topic: Ocular Fusariosis, 3) *Presidential oration:* Rendezvous with fungi in the eye.

#### Pravin K Vaddavalli

##### International

- Annual meeting of the AAO: New Orleans, USA, 15 – 20 Nov 2013. Refractive surgery sub-specialty day: Invited faculty, Senior

Instructor, Co-instructor, Poster presentation, Video presentation.

- Annual meeting of the American Society of Cataract and Refractive Surgery: San Francisco, California. 19 – 23 April, Paper presentation, Poster presentation, Video

#### National

- All India Ophthalmology Society (AIOS) annual meeting: Agra, 6 – 9 February, 2014. Invited speaker, Co-instructor.
- Cornea CME, CMC Vellore: 18 – 19 January, 2014. Invited speaker.
- Keracon 2013, 1st meeting of the Cornea Society of India: Goa, 13 – 15 December, 2013. invited speaker, Member of Executive Council.
- 32nd Karnataka Ophthalmology Society annual conference: Hassan, 8 – 10 November, 2013. Invited speaker.
- 37th Andhra Pradesh Ophthalmology Society Annual conference: Warangal, 27 – 29 Sep 2013. Invited Speaker, Symposium Chair, Video presentation.
- Corneologue 2013: 31 August – 1 September, 2013, Ahmedabad. Symposium on Cornea, Dr Nagpal's Eye Foundation, Invited Speaker
- Refractive Surgery 360: Hyderabad, 17 – 18 August, 2013. Organizing secretary.
- Annual meeting of the Bombay Ophthalmology Association, Focus 2013: Mumbai, 2 – 4 August, 2013. Invited Speaker.
- Cornea Recontre: Pondicherry, 20 – 21 July 2013, Symposium on Cornea, Aravind Eye Hospitals, Invited Speaker.
- 26th meeting of the Asia Pacific Association of Cataract and Refractive Surgery (APACRS): Singapore, 11 – 14 July 2013, Paper presentation
- International symposium on intraocular surgery: Trivandrum, Kerala, India. June 22 – 23, 2013. Invited speaker.

#### Vijay Kumar Yelagondula

##### International

- Asia ARVO: New Delhi, 29-31 October 2013. *Poster Presentation:* Peripheral Refraction in Indian Eyes. Co-authors: Ms Vasavi Yaramalla and Mr Stevenson Asadi.

#### National

- Myopia – current research trends and treatment strategies workshop conducted by India Vision Institute (IVI): Hyderabad, 24 January 2014. *Invited talk:* Peripheral refractive errors and its role in myopia development .



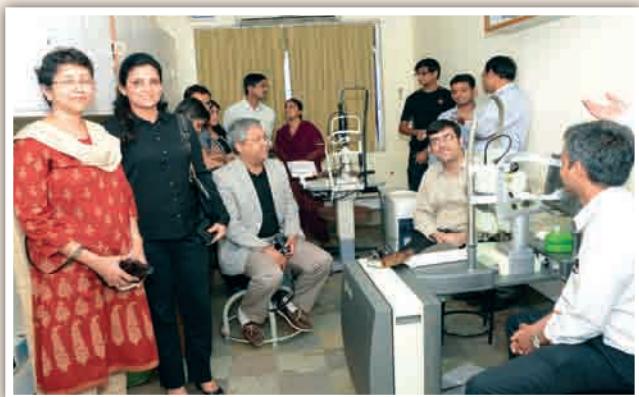
#### 'Taj Walk'

The LVPEI alumni meet on the sidelines of the 72<sup>nd</sup> Annual Conference of All India Ophthalmological Society (AIOS), 6-9 February 2014 at Agra had a group of about 40-45 alumni and faculty bonding over a walk to the historic Taj Mahal followed by a breakfast meeting.

# Alumni News

## Alumni Meeting

At the LVPEI Alumni Program on 16-17 October 2013, alumnus Dr. Sunil Singh welcomed the gathering and Dr. Raj Anand presented the alumni achievements. Dr. Rao lauded the efforts of the alumni in forging a fruitful partnership with the Institute to take its mission forward. Consultants shared updates on new techniques in various sub-specialities and appreciation awards were given to senior alumni.



## Workshop on Ocular Surface Disorders



The workshop on Ocular Surface Disorders by Dr Virender Sangwan and Prof James Chodosh, 28 January -1 February 2014, drew over thirty cornea specialists from India, USA, UK and the Middle East. It combined surgical sessions with examining long term outcomes of two surgical techniques developed exclusively at LVPEI: Simple Limbal Epithelial Transplantation (SLET) and LVP Keratoprosthesis (LVPKPro). The meeting was attended by long term fellows and alumni.



## INK Salon at Foundation Day and Alumni Meeting

The INK Salon interaction on Foundation Day 17 October had Lakshmi Pratury, host and curator, converse with Mrs. Pratibha Rao and Dr. Rao regarding chasing and realizing Dr. Rao's vision of LVPEI.

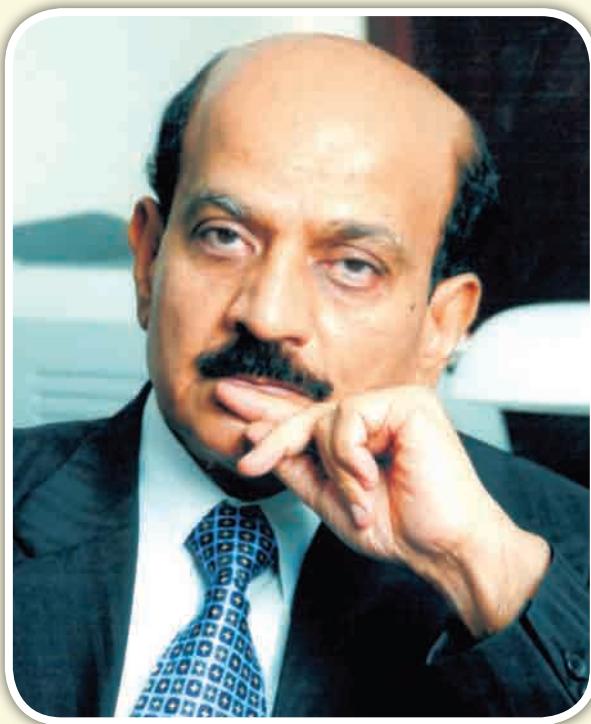
(More details in Kallam Anji Reddy campus news, page 23)

# OUR SUPPORT

*As the institution's list of supporters, contributors and friends continues to grow, we take a look at some of these benefactors who have joined the LVPEI family to help us realize our goals.*

## “In India, frugal innovation is an imperative need”

– B V Mohan Reddy, Chairman & Managing Director, Cyient



Cyient Limited has been instrumental in helping and supporting Srujana, LVPEI's Innovation Centre launched on 25 October 2013 by former President of India Dr A P J Abdul Kalam (for more details refer page 16). The following are extracts from an interesting interaction we had with Mr B V Mohan Reddy regarding the LVPEI-CYIENT collaboration.

### #1 What inspired your philanthropic activity? Was there any particular incident or experience that sparked the call?

I believe that successful and sustainable institutions can be built with Values as the foundation. For my company Cyient (formerly Infotech Enterprises), I adopted the same philosophy of Values FIRST, which is an acronym for Fairness, Integrity, Respect, Sincerity and Transparency. Considering that companies are built on the four pillars of Customers, Employees, Investors and Society, if any one pillar is weak, it will make the organization unstable. Organizations, therefore, have to be equitable to all four stakeholders to be successful and sustainable. Ten years after the organization's inception, I initiated a focused strategy for Corporate Social

Responsibility. As part of this we invest in initiatives such as LVPEI and in 'Adopt a School' program where we touch the lives of 10,000 primary school children in our neighbourhood by providing better schooling. Our Corporate Social Responsibility activities are not purely philanthropic in the sense that they are aimed at building future India.



### #2 What drew you to contribute for the cause of eye care?

Under the leadership and vision of Dr G N Rao, LVPEI has done yeomen services in eye care. They have earned an impeccable reputation on cutting edge research in eye care. LVPEI's laudable goals were the key reason that drew the attention of my company Cyient.

### #3 Why did you choose to partner with LVPEI for Srujana in particular?

Innovation is very dear to my heart and has literally become the DNA of Cyient. We have participated in many innovation programs with our customers to 'Design Tomorrow Together'. The work being done by LVPEI aligns with our business innovation goals. The idea of Srujana being a centre for cost effective

innovation in eye care was very appealing to me. In India, frugal innovation (less for more) is an imperative need as a large part of the Indian population lives below the poverty line.

**#4 Is there any specific area that you wish your funds to be utilized for?**

We would like to see our commitment to eye care being utilized for innovating low cost eye care equipment so that millions of Indians can be benefited.

**#5 How do you wish to guide the activities of Srujana in coming out with products that would help in reducing eye problems?**

Our company Cyient is intensely involved in providing engineering solutions to several Fortune 500 companies in leading edge technologies such as aerospace, rail transportation, chip design and medical electronics. Our associates at Cyient work in current technologies with an innovative mind for finding newer ways to optimize design. We can therefore help Srujana since our business goals are well aligned with their own goals of providing low cost eye care.



**#6 What is your take on CSR activities as such?**

The future of India will depend on bringing about socio economic equality. The bottom of the pyramid needs to be serviced by way of food, shelter, health and hygiene. For initiatives such as Srujana to be successful, we need more corporate organizations to come forward and support them through money, resources, technology and vision as part of their Corporate Social Responsibility.

## M H Dalmia: On a common cause to reduce avoidable blindness

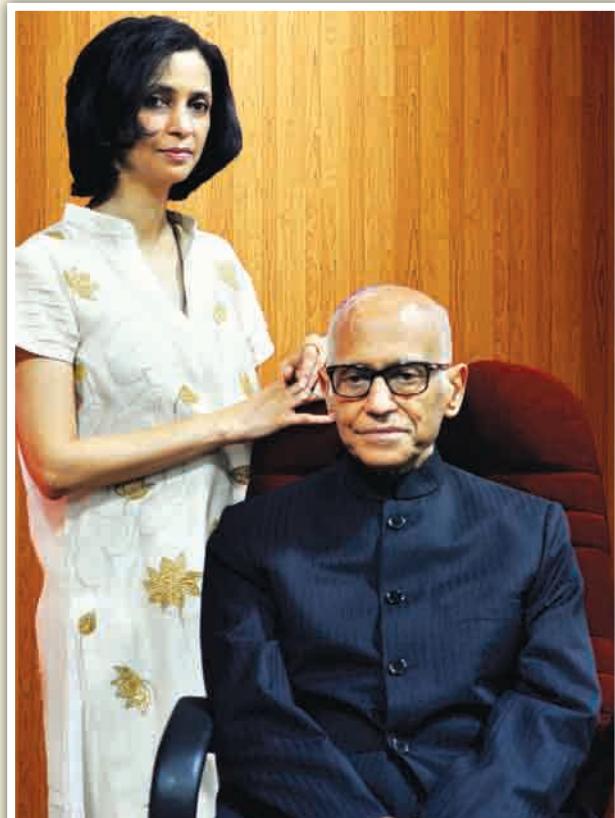
15<sup>th</sup> December 2013 marked the augmentation of LVPEI's services in the state of Odisha with the foundation laying ceremony of the OCL Eye Centre, a secondary centre at Rajgangpur. Chief Minister Shri Naveen Patnaik unveiled the plaque and planted a sapling.

The Rajgangpur centre is supported by a generous donation from OCL India Ltd, the flagship company of the Dalmia Group of companies that operates from eastern India. Behind this effort and closely associated with LVPEI is Mr M H Dalmia, President of OCL India Limited, the son of one of the leading industrialists and philanthropists of India, Sri Jaidayal Dalmia.

A chemical engineer from Jadavpur University, Kolkata, Mridu Hari Dalmia has served as President of Indian Refractories Manufacturers Association, Cement Manufacturers Association, and National Council for Cement and Building Materials. He was also Member of the Managing Committees of FICCI and the Associated Chambers of Commerce and Industry.

Mr M H Dalmia always had an inclination to spend less on oneself and make funds available to those who needed it more. As to the reason for contributing to eye care, he says he had thought of it as he felt blindness was a major obstacle for many. He recalls being moved by a short video made by the Eye Bank Association of India where blind children are shown playing Holi and one of them asks his teacher: "What is colour?"

Mr Dalmia acknowledges that his association with LVPEI dates back to a few years ago when he chanced to visit the Bhubaneswar campus. He learnt more about LVPEI through the website and read about the Institute's activities in Andhra Pradesh. He decided to contribute for the cause of eye care and partner with L V Prasad Eye Institute in its mission to reduce avoidable blindness in the country.



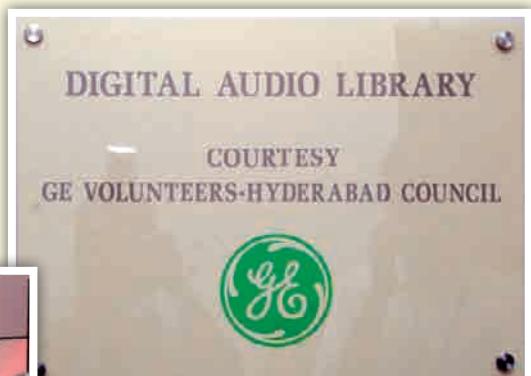
*Shri MH Dalmia with his daughter Ms Kanupriya Dalmia*

# Partnership with Technology World

LVPEI's relationship with the corporate IT firms began in 2010. Several IT majors have been very forthcoming in supporting the activities of the vision rehabilitation services of the Institute as part of their Corporate Social Responsibility.



**GE Volunteers** is a global network comprising employees, retirees, affinity groups, friends and family supported by GE businesses and corporate resources with a global mission to facilitate and support volunteering activities that improve life in the communities.



GE Volunteers Foundation helped set up the digital audio library in Hyderabad in 2010. The first of its kind library where audio cassettes are converted to digital mode, this pioneering effort involves use of the sophisticated Daisy software. GE also provided voice recording of a wide variety of academic and story books that

are recorded and edited in wave format and are then converted to mp3 format for ease of use in all audio players. Books are recorded in various vernacular languages too such as Hindi, Telugu, Tamil etc.

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**Tech Mahindra Limited** is an Indian multinational provider of information technology (IT), networking technology solutions and business support services (BPO) to the telecommunications industry. Tech Mahindra is a part of the Mahindra group conglomerate.

Tech Mahindra have been providing significant support since 2011 November in these projects:

1. Early intervention service for children with visual impairment and multiple disabilities that has benefited about 600-700 multi handicapped children. This first of its kind service includes developmental assessment and evaluation, parental counseling and guidance, and other paramedical services.
2. Computer training for the visually impaired is a program that aims to provide learning opportunities to use computers and includes Spoken English, Soft-skills Orientation and Mobility Training.
3. CBR (Community Based Rehabilitation) for the visually impaired urban slum dwellers of Ranga Reddy and Hyderabad districts provides door-to-door intervention by offering comprehensive rehabilitation care.





Cognizant Foundation (CF) was established to spearhead Corporate Social Responsibility (CSR) initiatives with the objective of improving, guiding and inspiring the lives of underprivileged people with particular focus in the areas of Education and Health care.

Cognizant Foundation gave a one-time grant in 2012 and sponsored the setting up of the digital audio library at the Kode Venkatadri Chowdary campus in Vijayawada. They continue to provide various volunteer services to benefit the predominantly Telugu speaking population of Andhra Pradesh. With the digital audio library, LVPEI provides support mechanism to visually impaired students in accessing reading materials in audio format, thereby meeting the literacy needs of the visually challenged in Krishna district. Eventually, the services will extend to the neighbouring districts of Guntur, Nalgonda, Khammam and West Godavari.



Microsoft India Development Center (MSIDC), located in Hyderabad is Microsoft's largest software development center outside of their headquarters in Redmond, Washington. The MSIDC teams focus on strategic and IP sensitive software product development.

Microsoft India Development Centre has been supporting LVPEI's activities since 2013 starting with a grant support. They continue to fund us by monetary contributions received through their Employee Giving Campaign.

1. Helpline for the visually impaired is a web and telephone based counseling and guidance channel meant to give confidential support and information to users on blindness and low vision related issues.



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2. Mobility and sensory park at the Kode Venkatadri Chowdary Campus in Vijayawada is meant to stimulate sensory experiences for visually impaired children in a 'play way' method. The park imparts universal orientation and mobility techniques apart from sensitizing the public to the needs of the visually impaired.  
3. Computer training for the visually impaired

at the GMR Varalakshmi Campus in Visakhapatnam, which is an upcoming facility.

In addition to these firms, Deloitte and TCS too sponsor various activities such as fun camps and workshops for visually impaired children in order to help them integrate with society. Their employees often volunteer to lend their voices for LVPEI's audio library, and to work as scribes for writing examinations for visually impaired students.



# Your support makes it possible for all to see...

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Association for the Blind, Malaysia  
B P Koirala Institute of Health Sciences, Nepal  
Bartimeus, The Netherlands  
Bausch & Lomb, USA  
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Cambridge University, UK  
Canadian International Development Agency, Canada  
Carl Zeiss, Germany  
Case Western Reserve University, USA. (Prof Sudha Iyengar)  
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Centre for Sight General Hospital, Sri Lanka  
Centre of Excellence in Molecular Biology, Pakistan. (Prof Syed Riazuddin)  
Champalimaud Foundation, Portugal. (Dr Leonor Beleza / Mr Joao Silveira Botelho / Dr Andrew Teskar)  
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Cicendo Eye Hospital, Indonesia  
Combat Blindness Foundation, USA  
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Good – Life Co, USA / Finland (Dr Lea Hyvarinen)  
Harvard University, USA. (Prof Joan Miller)  
Institute Salah Azaiz, Tunisia (Prof Gumiara Fethi)  
International Agency for Prevention of Blindness, UK  
International Association for Contact Lens



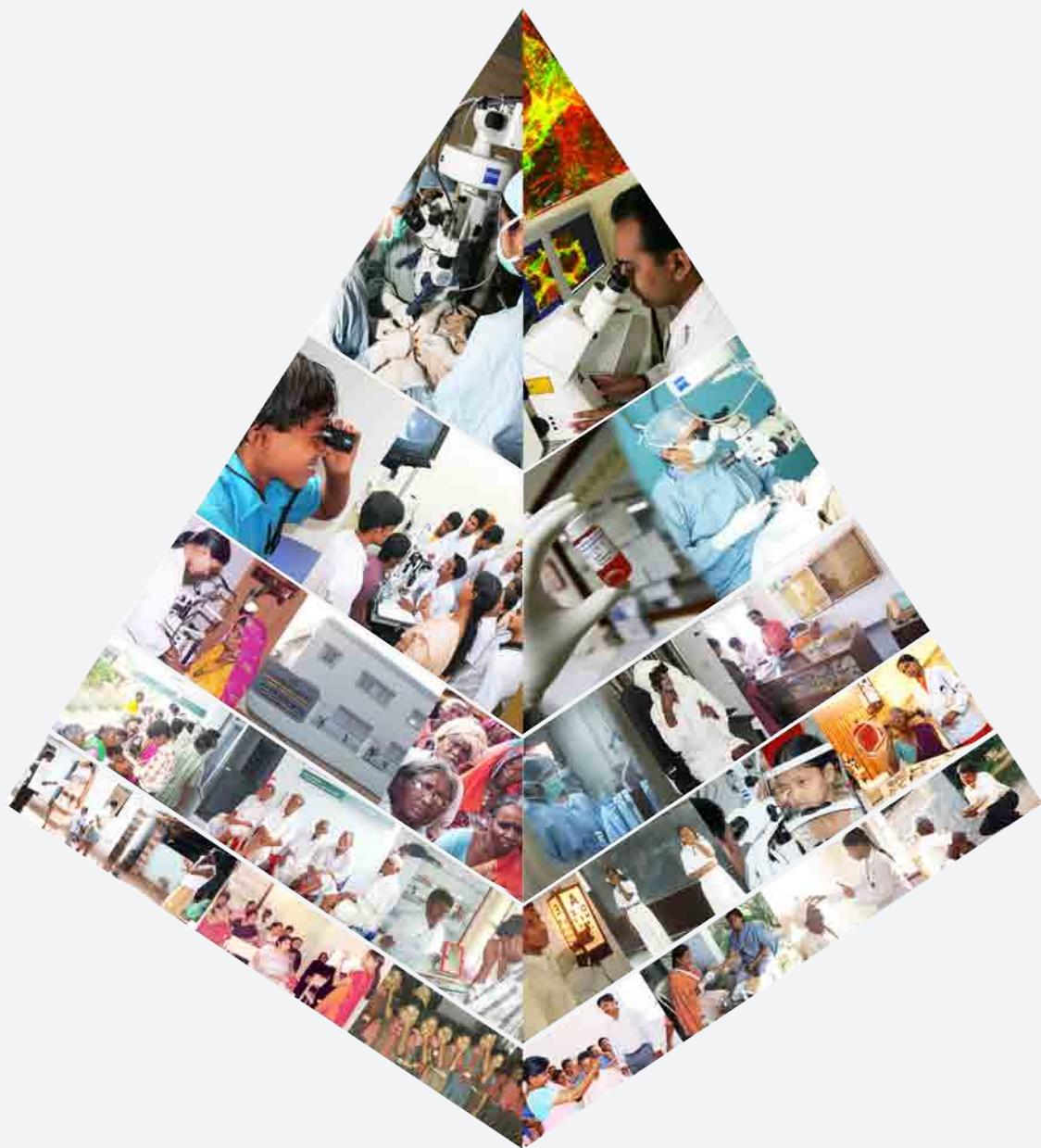
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Educators, Australia  
International Center for Eye Care Education, Australia. (Prof Jill Keefe)  
International Federation of Eye & Tissue Banks, USA  
Indiana University School of Optometry, Bloomington, USA. (Prof Sarita Soni)  
Islamia Eye Hospital, Bangladesh  
Johns Hopkins University, USA (Dr Debasish Sinha)  
John Hunter Hospital, New South Wales, Sydney, Australia. (Prof John Attia)  
Jules Stein Eye Institute, University of California, USA. (Dr Suraj Bhat)  
Kenyatta National Hospital, Nairobi, Kenya.  
Latter-day Saint Charities, USA (Dr Ike Ferguson)  
Lighthouse International, USA  
Lions Eye Institute, Australia  
Lions International, USA  
London School of Hygiene & Tropical Medicine, UK (Dr Clare Gilbert)  
Massachusetts Eye and Ear Infirmary, Medical Lab, USA  
Massachusetts Institute of Technology, Dept of Cognitive Science, USA. (Dr N Sur / Dr P Sinha)  
Mayo Clinic, USA. (Prof William Bourane)  
Moorfields Eye Hospital, UK (Dr Robin Ali)  
National Institute of Ophthalmology & Hospital, Bangladesh  
National Institute of Sensory Organs, Japan (Dr Takeshi Iwata)  
National Institutes of Health, National Eye Institutes, USA (Dr Paul Sieving)  
New York Eye & Ear Infirmary, New York, USA. (Prof Robert Ritch)  
Northwestern University, USA  
Ohio State University, USA. (Dr Angela Brown)  
Operation Eyesight Universal, Canada. (Dr Paul Dubord)  
Optometry Giving Sight, Australia  
ORBIS International, USA / India (Dr Rahul Ali)  
Pakistan Institute of Community Ophthalmology, Pakistan  
Queensland University of Technology, Australia  
Queen Elizabeth Diamond Jubilee Trust (QEDJT) (supporting training of Ophthalmologists from Africa and west Asia region) UK  
Rotary International, USA  
Santen Inc, USA (Dr Michael Rhinehart)  
Service de Biologie, Cinique Institute, Salah Azaiz, Tunisia  
SightLife, USA (Dr Monty Montoya)  
Sightsavers, UK  
Singapore Eye Research Institute, Singapore. (Prof Tin Aung / Dr Eranga Vithana)  
Stanford Graduate School of Business, USA  
SUNY School of Optometry, USA  
Schepens Eye Research Institute, Massachusetts Eye and Ear Infirmary, Harvard Medical School. (Dr Eli Peli)  
Tel Aviv University, Israel  
Thadikonda Research Foundation, Inc, USA. (Dr Paul Thadikonda)  
The Cooperative Research Center for Eye Research & Technology, Australia (Prof Brien Holden)  
The Hadley School for the Blind, USA  
The Tun Hussein On National Eye Hospital and the Malaysian  
Tufts University of Medicine, USA  
The Royal Australian and New Zealand College of Ophthalmologists (RANZCO) supporting HR development in Asia Pacific region, Australia  
University of Hamburg, Hamburg, Germany (Dr Brigitte Roeder)  
University of Aberdeen, UK  
University of California, San Diego, USA. (Prof Robert Weinreb)  
University of California Berkeley School of Optometry, Berkeley, USA. (Prof Clifton Schor / Dr Nance Wilson)  
University of Campinas, Brazil. (Dr Monica Melo)  
University of Florida, USA (Dr K V Chelam)  
University of Heidelberg, Germany (Dr Jost Jonas)  
University of Houston College of Optometry, Houston, USA. (Prof Earl Smith III)  
Dept of Ophthalmology, University of Kentucky, Lexington KY, USA. (Dr Jay Ambati)  
University of Iowa, USA. (Dr John Fingert)  
University of Melbourne, CERA, Australia (Prof Jonathan Crowston)  
University of Melbourne, CERA, Australia (Dr Paul Baird)  
University of Miami, Bascom Palmer Institute, USA. (Dr Jean Marie Parel)  
University of Nairobi, Kenya  
University of Nebraska Medical Center, USA. (Dr Iqbal Hamed)  
University of New South Wales, School of Optometry and Vision Science, Australia. (Prof Mark Willcox / Dr Isabelle Jalbert / Prof Fiona Stapleton)  
University of New South Wales, Sydney, Australia. (Prof Eric Papas)  
University of Sheffield, Sheffield South York. (Prof Stephen Rimmer / Dr Sheila Mac Neil)  
University of Nottingham, UK  
University of Ottawa, Canada  
University of Pittsburgh Medical Center, USA. (Dr Jim Funderberg)  
University of Sao Paolo, Brazil. (Prof Rubens Belfort)  
University of South Carolina, USA  
University of Toronto, Canada  
University of Iowa, USA. (Dr Eward Stone)  
Vanderbilt University, USA  
Wellcome Trust, UK. (Dr Jeam Farrar)  
Wharton School (University of Pennsylvania), USA  
William Beaumont Hospital, USA  
Wills Eye Hospital, USA. (Dr Jerry Shields / Dr Carol Shields)  
World Diabetes Foundation, Denmark  
World Health Organization, Switzerland. (Dr Serge Rasnikov / Dr R Pararajasekharan)  
Yangon Eye Hospital, Myanmar

## National

- ACE Experiences Asia Pvt Ltd (DiD), Hyderabad  
Action on Disability and Development India, Bengaluru  
Ali Yavar Jung National Institute for the Hearing Handicapped, Secunderabad  
Anthropological Survey of India, Kolkata  
Aravind Eye Care System, Madurai  
Armed Forces Medical Services, Pune (Dr Venu Nair)  
Banaras Hindu University, Department of Ophthalmology, Varanasi  
Bhabha Atomic Research Centre, Mumbai. (Dr Srikumar Baveja)  
Bharat Petroleum Corporation Limited, Mumbai  
Bioinovat Research Services Pvt Ltd, New Delhi  
Biomedical Foundation of India, Mumbai  
Bio-Medix Optotechnik & Devices Pvt Ltd, Bengaluru  
Birla Institute of Technology and Science, Pilani. (Prof B N Jain)  
Blind People's Association, Ahmedabad  
CBR Forum, Bengaluru  
Centre for Cellular and Molecular Biology, Hyderabad, (Dr Mohan Rao)  
Centre for DNA Fingerprinting and Diagnostics, Hyderabad. (Dr J Gowrishankar)  
Centre for Human Genetics, Bengaluru.  
C L Gupta Eye Institute, Moradabad. (Dr Ashi Kurana)  
Consolidated Products Corporation Pvt Ltd, New Delhi.  
Council for Advancement of People's Action, New Delhi.  
Council of Scientific & Industrial Research, Government of India, New Delhi  
Charities Aid Foundation (Microsoft Aid Agency) New Delhi  
Department of Biotechnology, Government of India, New Delhi. (Prof S Vijay)
- Department of Science & Technology, Government of India, New Delhi. (Dr T K Chandrashekhar)  
District Blindness Control Society, Hyderabad  
Dr Reddy's Laboratories, Hyderabad. (Mr G V Prasad / Mr Satish Reddy)  
Essilor India Pvt Ltd, Bengaluru  
Eye Bank Association of India, Hyderabad  
Fullerton India Credit Company Ltd, Mumbai  
GE Volunteer Funding, Hyderabad  
Guru Nanak Dev University, Amritsar with Prof Amarjit Bhanwer  
Holy Cross College, Tiruchirappalli.  
Indian Council for Medical Research, New Delhi. (Dr V M Katoch)  
Indian Institute of Chemical Biology, Kolkata. (Dr Sidhartha Ray)  
Indian Institute of Information Technology, Hyderabad. (Dr P G Narayan)  
Indian Institute of Science, Bengaluru. (Mr P Balram)  
Indian Institute of Technology, Chennai. (Prof Bhaskar Ramamurthi)  
Indian Orthocane Surgicals, Chennai  
Indian Statistical Institute, Kolkata  
India Vision Institute, Hyderabad. (Mr Vinod Daniel)  
Indira Gandhi National Open University, New Delhi  
Institute of Health Systems, Hyderabad  
Institute of Life Sciences, Bhubaneswar. (Dr Satish Devadas)  
International Human Resource Development Centre, Coimbatore  
JPM Rotary Eye Hospital, Cuttack  
JP Singh Associates, New Delhi  
Kode Venkataidri Chowdary Charitable Society, Vijayawada  
Micro Vision, Ahmedabad  
Milmet Laboratories Pvt Ltd, Ahmedabad  
Narotam Sekhsaria Foundation, Mumbai  
National Institute of Biomedical Genomics, Kalyani, West Bengal. (Prof Partha Majumder)  
National Institute for Mentally Handicapped, Secunderabad  
National Institute for the Visually Handicapped, Dehradun  
National Institute of Mental Health and Neuro Sciences, Bengaluru. (Dr T R Raja)  
National Institute of Nutrition, Hyderabad. (Dr Kalpakam Polasa)  
Nava Bharat Ventures Ltd, Hyderabad  
Nimmagadda Foundation, Hyderabad  
NTPC Foundation, New Delhi  
Presidency University, Kolkata. (Dr Anuradha Lohia)  
Quality Care India Pvt Ltd (Care Hospital), Hyderabad  
Sadguru Netra Chikitsalaya, Chitrakoot  
Sankara Nethralaya, Vision Research Foundation, Chennai. (Dr Badrinath)  
Sarva Shiksha Abhiyan, Hyderabad  
Sir Ratan Tata Trust, Mumbai  
Society for the Elimination of Rural Poverty, Hyderabad  
State Council of Education Research and Training, Hyderabad  
Tech Mahindra Foundation, Hyderabad  
Thakur Hari Prasad Institute for Research and Rehabilitation of Mentally Handicapped, Hyderabad  
The Calcutta Medical & Research Institute, Kolkata  
The Helen Keller Institute for Deaf and Deafblind, Mumbai  
Tata Tribal Cultural Society (TCS), (Training of ONA) (India)  
University of Hyderabad, Hyderabad. (Dr Geeta Vemaganti / Dr R Ramaswamy)  
VEBART Trust, Visakhapatnam  
VIMTA Laboratories, Hyderabad. (Mr S P Vasireddi)  
Vision For India, New Delhi  
VISION 2020: The Right to Sight, India

# The LVPEI Eye Health Pyramid



## Vision

To create excellent and equitable eye care systems that reach all those in need.

## Mission

The mission of L V Prasad Eye Institute is to be a centre of excellence in eye care services, basic and clinical research into eye diseases and vision-threatening conditions, training, product development, and rehabilitation for those with incurable visual disability, with a focus on extending equitable and efficient eye care to underserved populations in the developing world.

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Andhra Pradesh, India  
Tel: +91 0866 306 2020  
E-mail: kvc-appointment@lvpei.org

Excellence • Equity • Efficiency