

Reviving Student Branches – Region 10 Best Practices: Part II

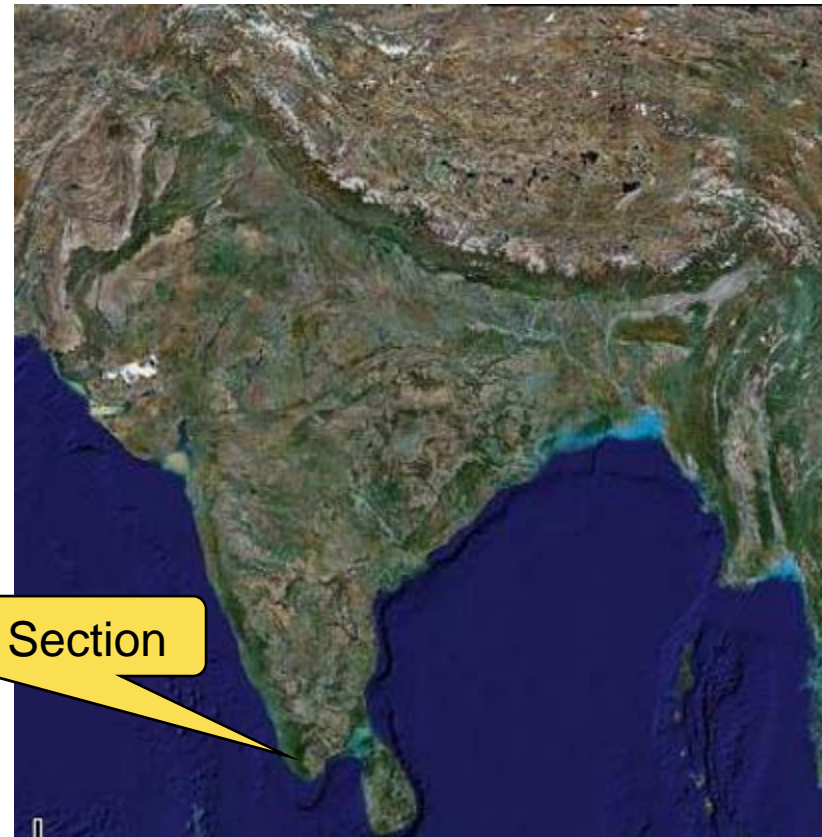
LINK project of Kerala Section -

Gopakumar S and
Prijo P. Kommattu



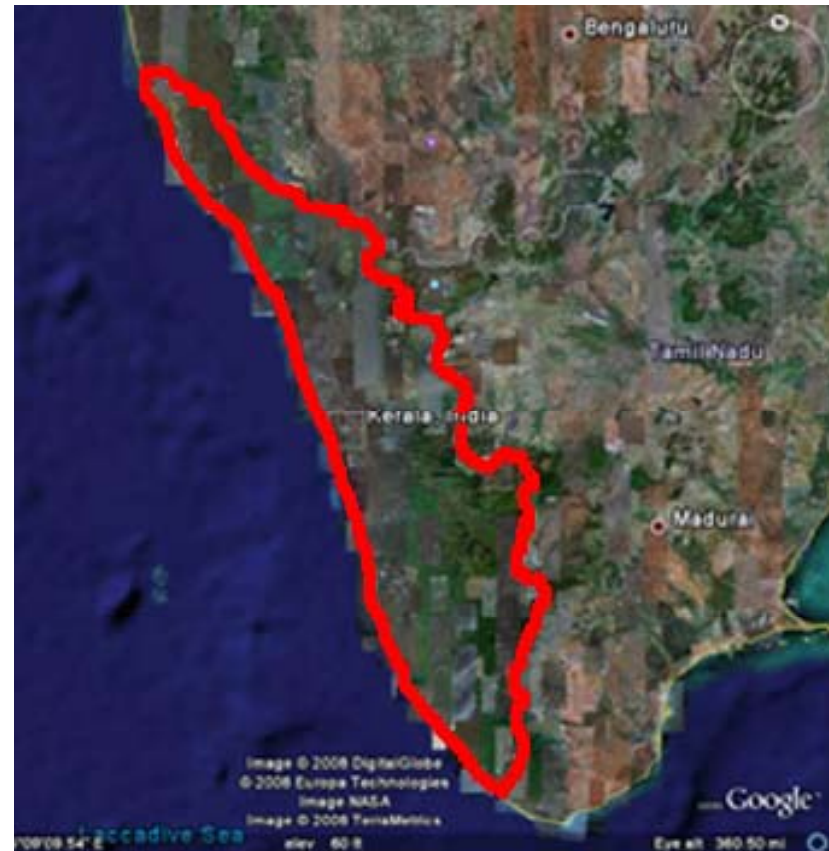
IEEE India Council

- 10 Sections
- Established in 1976
- 23,682 IEEE members
- 16,582 IEEE Student Members
- To co-ordinate all inter-sectional relationships and activities
- Liaison between section and government, other organizations and IEEE HQ



IEEE Kerala Section

- ❑ Formed as subsection of India Section in 1975
- ❑ Became full section in 1983
- ❑ **Silver Jubilee Year**
- ❑ 2032 IEEE Members
- ❑ 1459 Student IEEE members
- ❑ Outstanding Large Section R10 Award for 2004
- ❑ 2 Larry K Wilson Awards - 2004 and 2008
- ❑ First WIE affinity group in R10



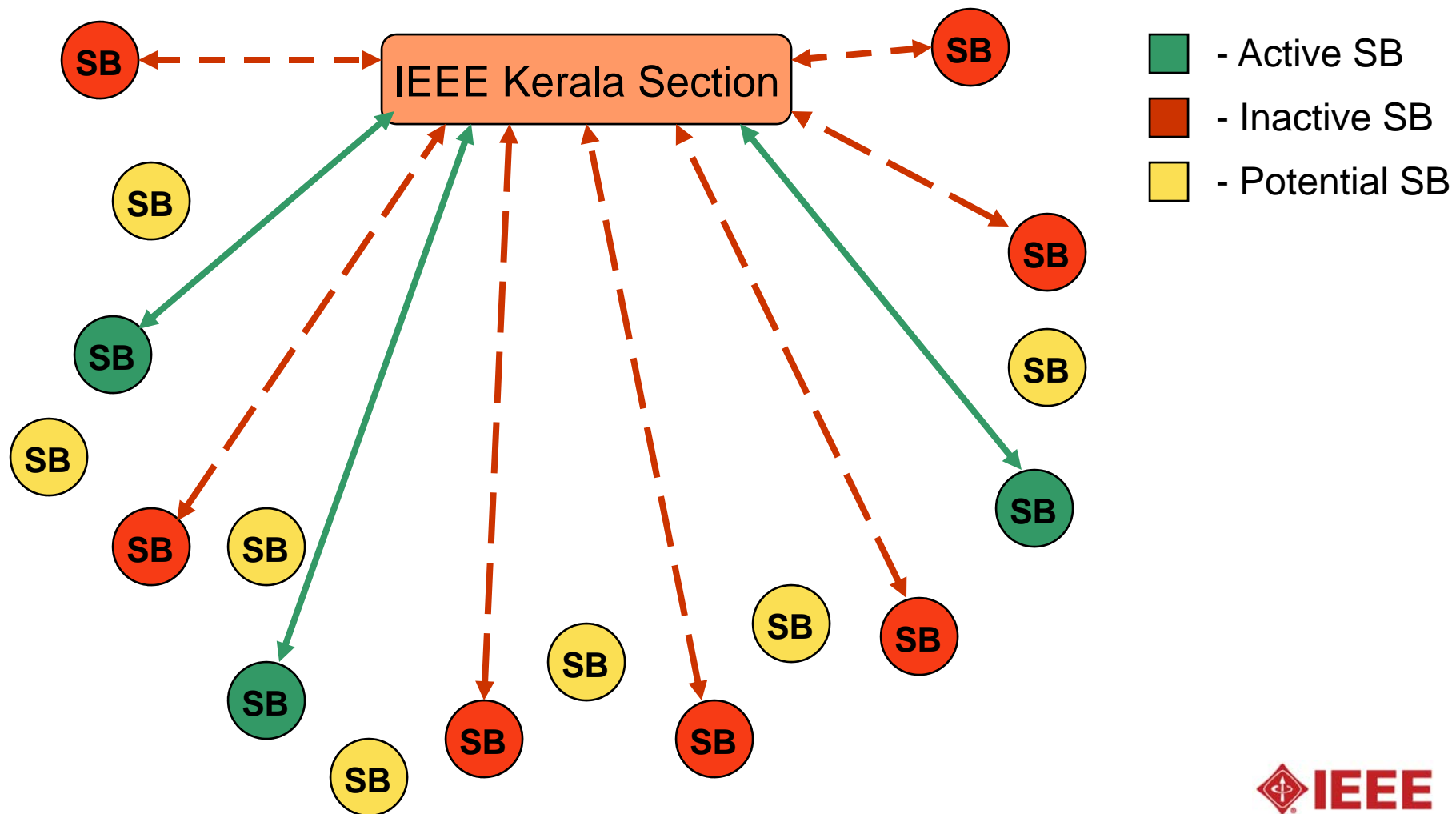
Kerala Section: Engineering Education

- 5 Universities situated in the geographical span of Kerala Section
- 86 Engineering Educational Institutions affiliated to the above 5 Universities
 - 39 student branches now
- 19680 Engineers graduating every Year !!!!
 - IEEE student members only 1459
 - Great potential to grow

IEEE Kerala: Student Activities- History

- Problems faced by Student Activities
 - Section and SBs found it difficult to keep in touch with each other or fellow branches
 - SBs were focused on local programs in spite of All Kerala Students Congress introduced in 1995.
 - Improper transition of SB office bearers lead to many of the SBs to be inactive
 - **In 2002 11 Student Branches (3 Active and 8 Inactive)**

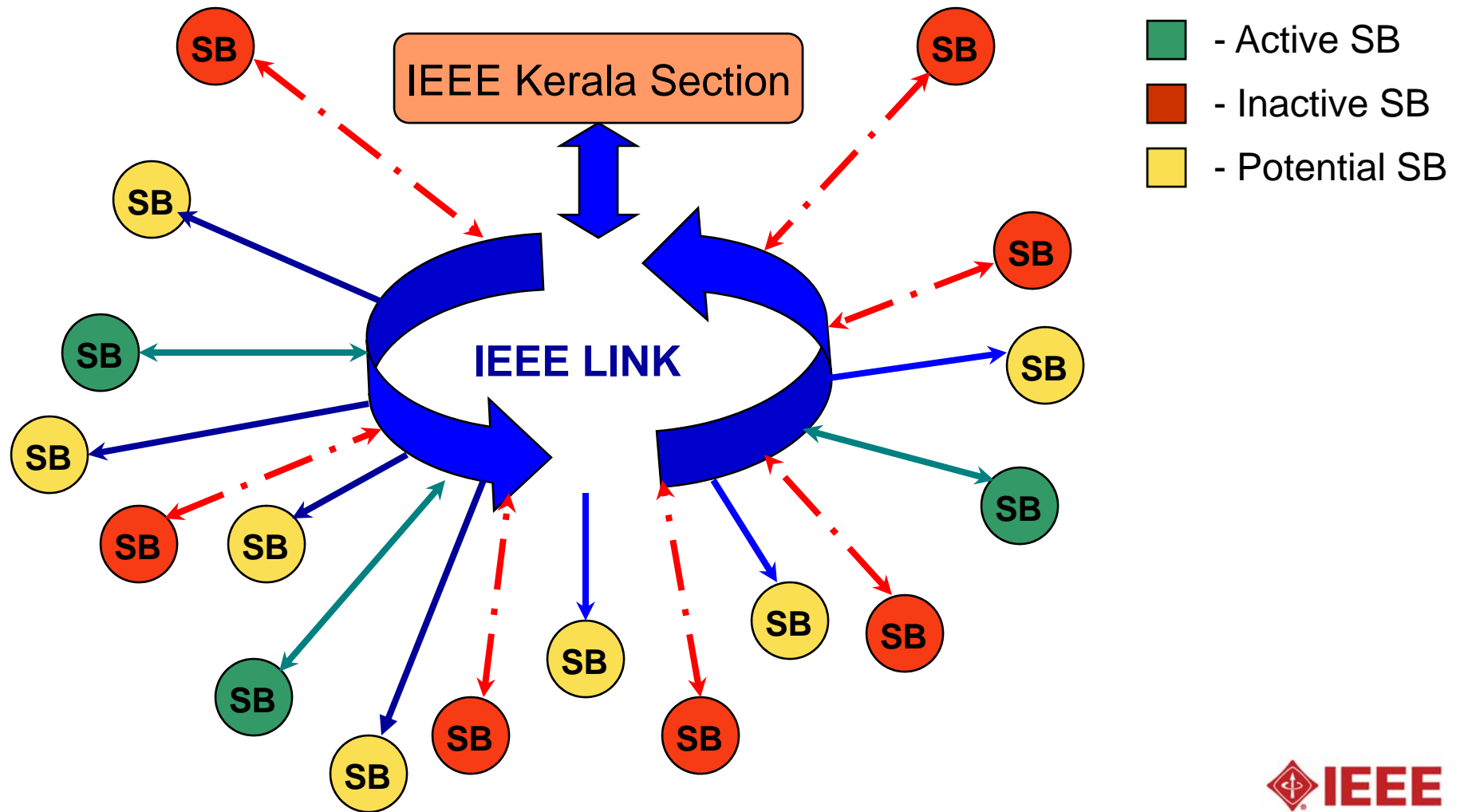
Student Activities in Kerala in 2002



IEEE LINK

- **Local Integrated Network of IEEE students of Kerala (LINK)**
- Synergy of Ideas of Mr. Prijoe P. Komattu, Section Student Rep. and Mr. S. Gopakumar, Student Activities Chair,
 - A coordinating body
 - Streamline the activities of SBs in Kerala Section
- Search for : www.ieee-link.org

Evolution of IEEE LINK



Factors led to LINK

- ❑ Lack of awareness among student community
- ❑ High Membership Fee... Need more benefits!!!!!!
- ❑ Inconsistent performance by the Student Branches
- ❑ Lack of trained volunteers
- ❑ IEEE Membership Drives
 - Spread the message of IEEE within the section
 - Large number of Potential SBs within the Section
- ❑ Help upcoming new Student Branches to gain momentum
- ❑ Effective Coordination between the Section and Student Branches

IEEE LINK : Vision

- **LINK** shall serve as a body uniting different student branches, and further help in the sustainability of each student branches, thus adding value to IEEE student membership.

IEEE LINK : Mission

- Act as a conjunctive body, ensemble the student Branches coming under its geographical span
- Spread the value of IEEE through out its geographical span.

LINK- GOALS

- Add value to IEEE Student Memberships
- Effective communication link between the Section and its SBs
- Better Utilization of Section Funds for student activities
- Coordinate with SBs on submitting mandatory documentation
- Create a Pool of SBs to help other SBs
- Solve problems in a collective manner
- Identify Potential SBs and conduct IEEE Awareness
- Grooming the new SBs in their initial years
- Revival of inactive student branches

History of IEEE LINK

- First program: IEEE Awareness at FISAT, Kerala on Oct, 13th 2003
- Formulated by Mr. S. Gopakumar (Student Activities Chair) and Mr. Prijoe P. Komattu (Section Student Rep.) in 2004
- Trained a set of volunteers to conduct awareness programs
- The name LINK was coined by Mr. Prijoe P. Komattu

- Formally Inaugurated by IEEE President, Mr. Cleon Anderson in January 2005.
- College of Engineering, Chengannur played a pioneering role in setting up LINK
- Hub teams were introduced in 2007 by Mr. Gopakumar

IEEE LINK: Duties

- Shall ensure the correct fiscal functioning of its SB's.
- Shall coordinate the mandatory reporting to section and HQ.
- Shall communicate programs of common interest and deadlines for events to SBs.
- Shall advise the section on funding of SB programs.
- Shall also supervise on the planning of major events in the SB's.
- Shall maintain a calendar and allocate dates for SB programs ensuring non-overlap of programs.
- Shall ensure participation of nearby branches adding more value for membership.

IEEE LINK: Duties

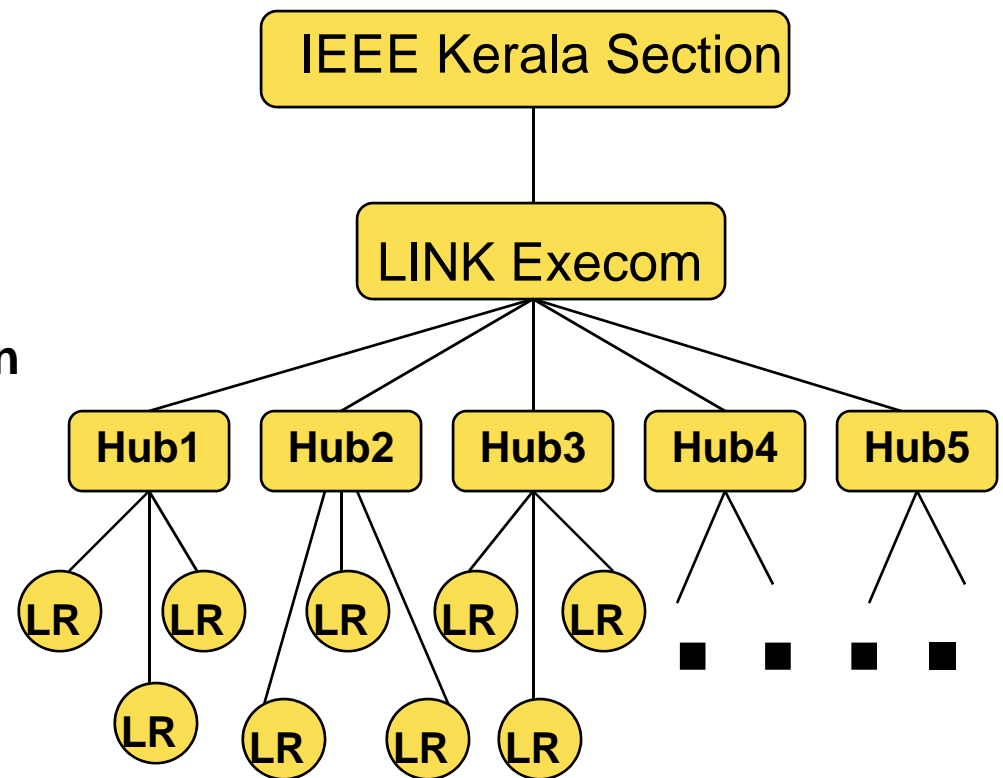
- Shall help the establishment of new SB's and offer necessary assistance. LINK may pass this responsibility to an active SB in the nearby location.
- Shall act as a link between its SB's and the Kerala Section and enable the SBs to get proper support to the SBs irrespective of the geographical location.

IEEE LINK: Duties

- Shall prepare a calendar for the next year and hand over it to the new committee at the time of handing over. The calendar comprises of the suggested programs, dates and relevant details which will help the new committee to kick start its activities.
- Coordinate Monthly Online meetings, Quaterly Face to Face Meeting and annual events like AKSC
- Shall advice the section on nominations to AISC, R10 SC etc.

LINK Team

- ▣ **LINK Rep (LR)**
 - A student representative from each SB
- ▣ **Hub**
 - A group of SBs of the same geographic location
- ▣ **LINK Execom (Yearly)**
 - Chair- SAC, Section
 - Vice Chair, Secretary, Treasurer, WIE Rep (Among LRs)
 - LINK Sec becomes the Section Student Rep. to section EC



Major Activities of LINK- Annual

- LINK Camp
 - Annual camp comprising of LINK Reps of current year and next year. Started in 2006
 - Induction to LINK and training on LINK activities
 - Planning for the upcoming year
- LINK Counselors Forum
 - Branch Counselors Forum started in 2008
 - LINK Vice President elected from Branch Counselors Forum
- IEEE Alumni Meet
 - Annual meet of the IEEE student alumni of the section. Started in 2007
- AKSC- All Kerala Student Congress
 - Section Level Student Congress started in 1995 now brought under LINK

LINK Activities - periodic

- Face to Face Meetings
 - Minimum 3 per year
- On line meetings
 - Weekly for LINK EC, monthly for LINK general body
- Hubs (Introduced in 2007)
 - Hub level meetings
 - 5 hubs with 3 member teams in each hub to drive the hubs
 - Counselors added as Hub leaders
- Communication channels:
 - Email groups, SMS groups
- LINK Website
 - Maintenance of LINK website. Started in 2008
- GINI
 - Coordination of GINI activities

LINK 2007

- **LINK General**
 - Inauguration of WIE Affinity Group for 2 SBs
 - IEEE LINK Face to Face Meet
 - IEEE All Kerala Student Congress
 - IEEE Alumni Forum Meet
 - WIE Forum Meet
- **Workshops**
 - Microsoft .Net, Advanced Robotics, TRI, Euphoria Turning Point, Inovate-G Robotics
- **Technical Symposiums**
 - Crossroads '07
 - Melange '07
 - Elixir '07
- **Contest**
 - Ethics Contest '07
 - Logiq Robotics Contest
 - Nexus Robotics Contest
- **Talks**
 - Non Conventional Energies, Safety and Safety Aspects in automated workplace

LINK 2008

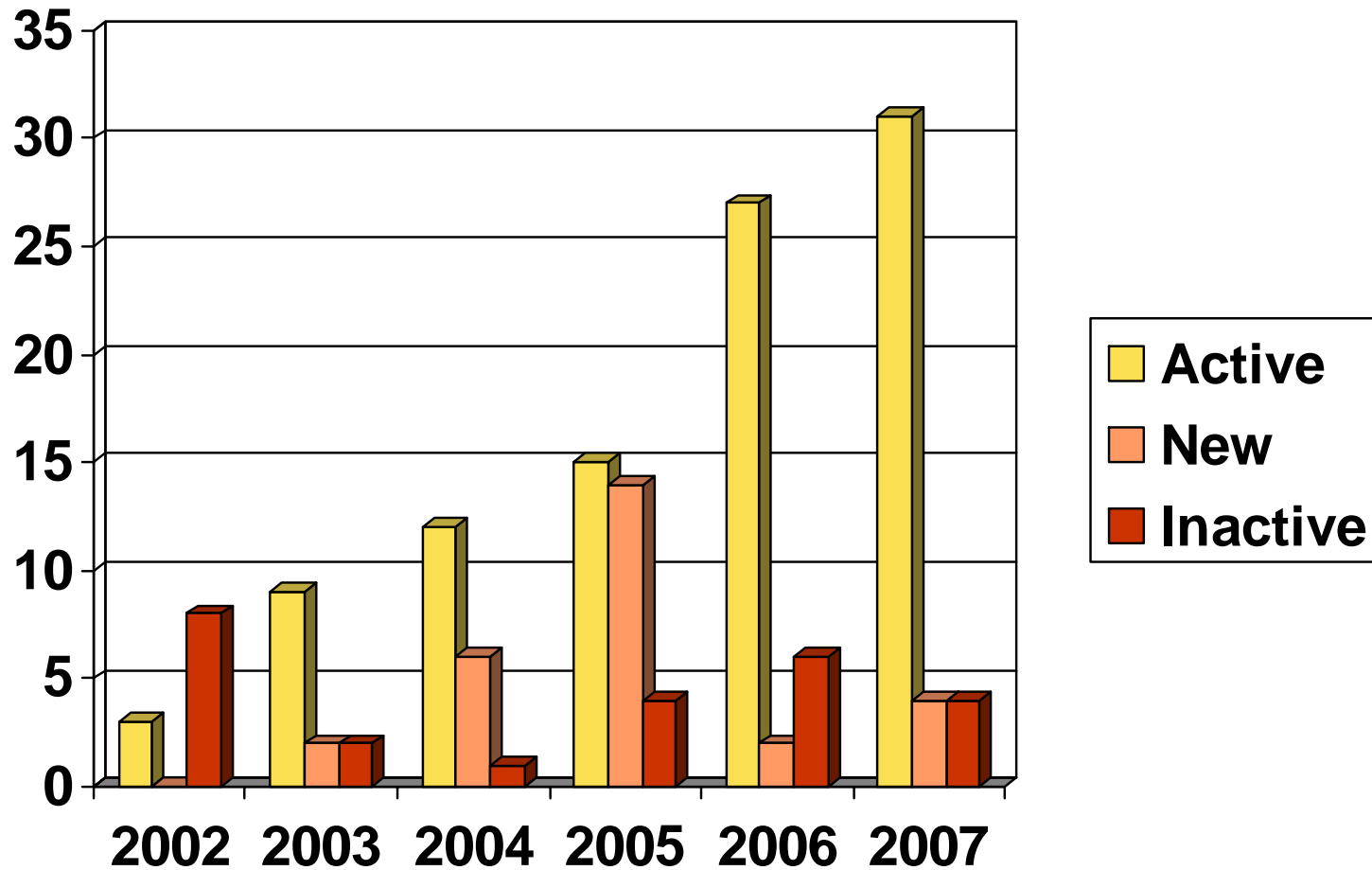
- Record Participation of 62 student members in Region10 Student Congress held at Chennai, India on January 2008
- Conducted the Face to Face (F2F) meeting in March
- Coordinated Branch Counselors Congress in May
- Execom Meeting on weekly basis
- General Body Meeting monthly
- Organize LINK Online Programing Contest (LOC) in Aug'08
- AKSC 2008 (Aug)
- Organize LINK Online Quiz annually
- Kerala Section Silver Jubilee Celebration Program- Invitation to GINI pilot sections (Nov)
- Organize LINK Camp, F2F Meeting, Alumni Meet .

Major Achievements of LINK

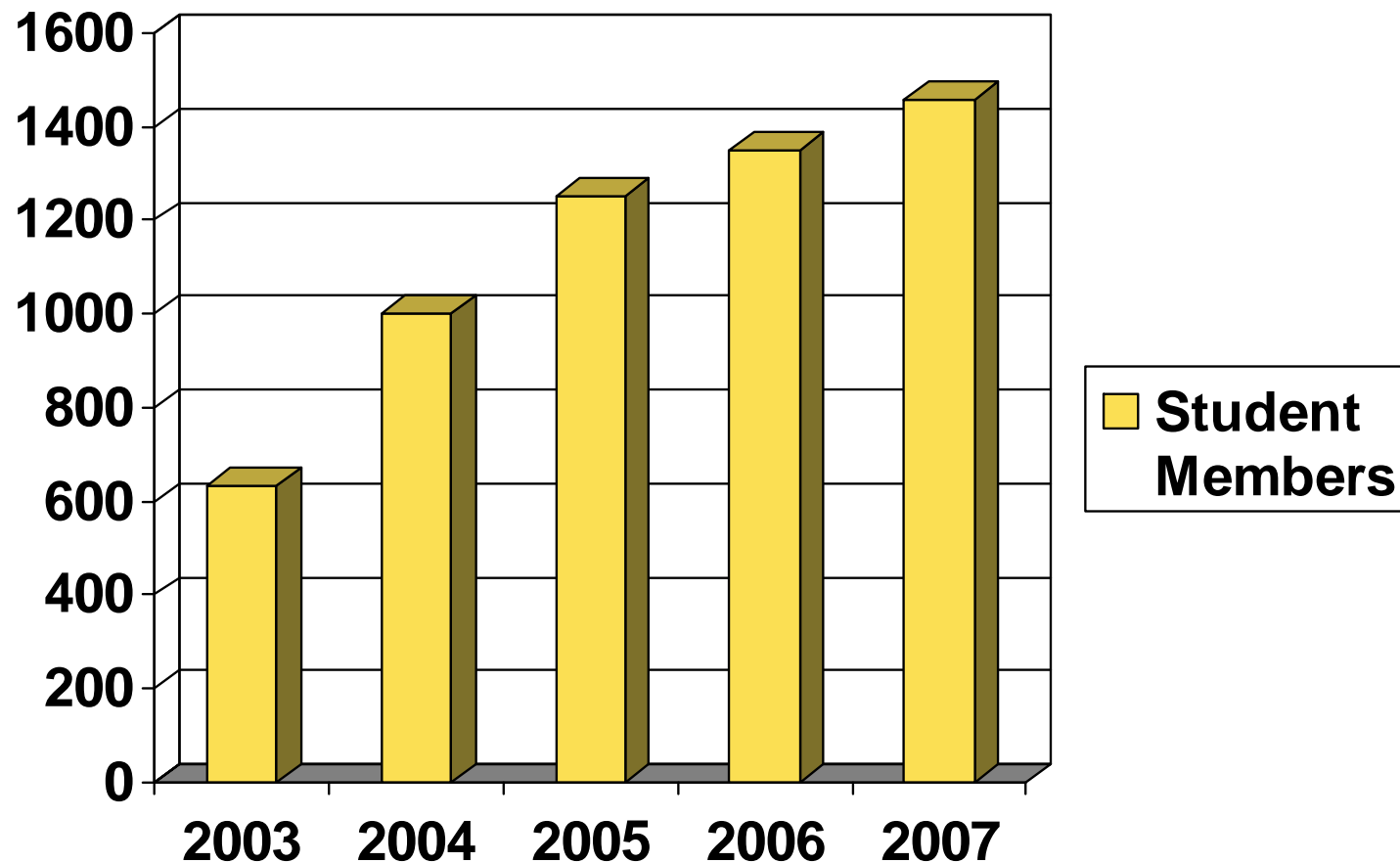
- Exponential growth of
 - Student Branches
 - Student Memberships
 - Student Activities



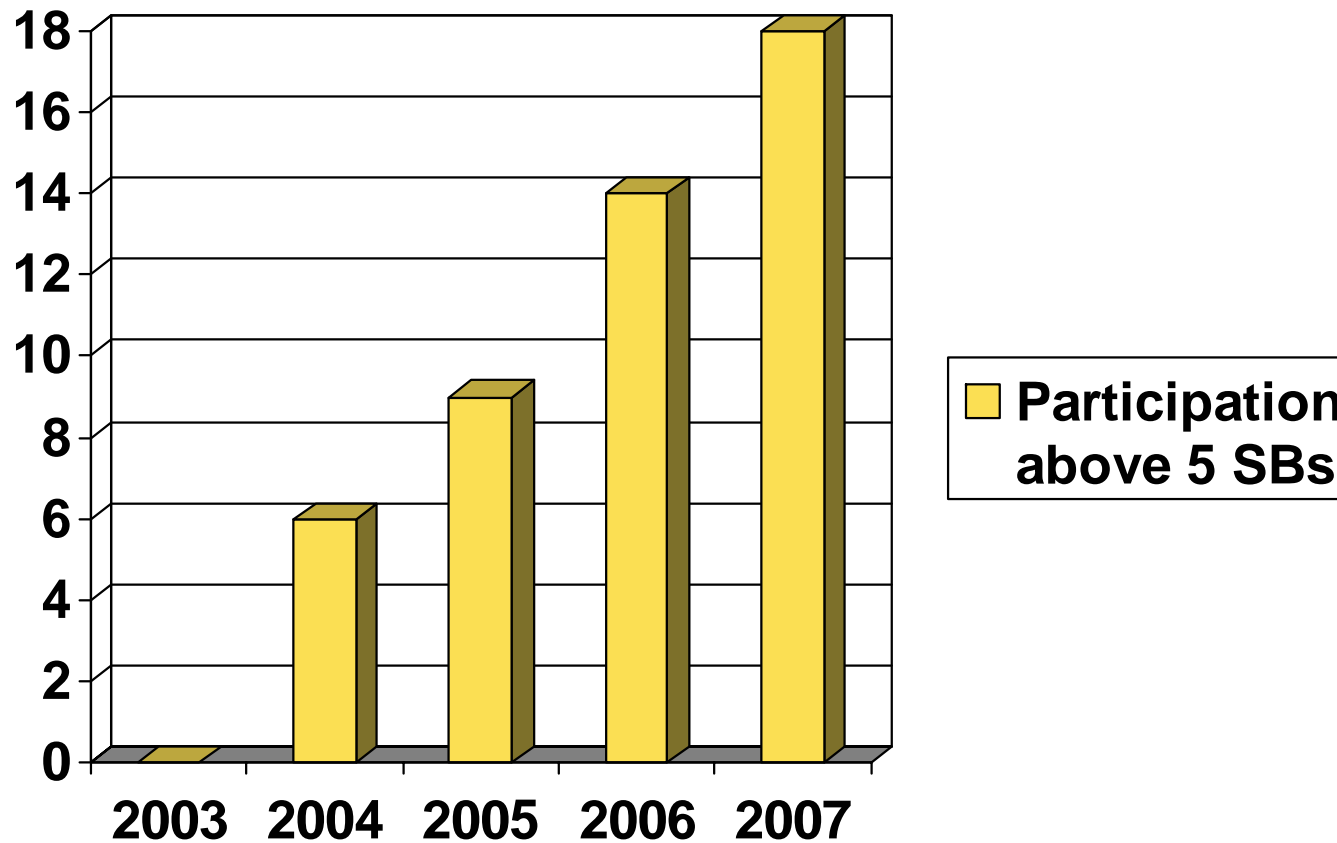
Growth in Student Branches



Growth in Student Memberships



Growth in Student Activities



IEEE Kerala Section- New Initiatives

- WIE Forum - to coordinate WIE SB affinity groups
- Mentors of IEEE Kerala -Coordination body of SB Mentors
- Branch Counselors Forum -Forum for counselors to interact with each other
- Branch Counselors Congress - Annual event to train the faculty
- Hub teams - Increased interaction with SBs
- SMS and email groups – for instant messaging
- IEEE Alumni Forum – experience sharing

GINI- R10 Pilot Project

– Mini S. Thomas



Region 10 Student Activities

- **Largest number** of Student branches
- Many vibrant student branches
- Many sections with **more student** members than full members

- Maximum number of **inactive student branches**
- Student membership fluctuations
- Minimal reporting by student branches
- Lack of **networking** among student members

R10- Inactive SBs (Dec 2006)

Section	Student Branches	Inactive Branches		Student Membership
BANGALORE	34	13	38%	1321
BOMBAY	78	24	31%	4203
CALCUTTA	10	4	40%	398
DELHI	23	7	30%	989
HYDERABAD	52	16	30%	1786
KERALA	35	4	11%	1250
MADRAS	119	50	42%	3799
KARACHI	9	8	89%	73
LAHORE	9	6	67%	94

Region 10 SAC Initiatives 2007

- **Branch Counselor's Congress**
- **IEEE Alumni Meets**
- **Section/Council Student Congress**
- **Branch Operations Guide**

Branch Counselor Congress

- Empower the Branch Counselors
 - **The update the branch counselors about IEEE New Initiatives**
 - **To familiarize the new branch counselors towards IEEE activities**
 - **To gain knowledge on fund raising & and IEEE awards**
 - **To understand the problems faced at a SB level**
 - **To improve the relationships and interactions among the counselors**
 - **BC Congresses held in Japan &, India Councils, Hyderabad & Madras sections**

IEEE ALUMNI Groups

Form IEEE student branch ALUMNI Groups

- **Keep in constant touch with IEEE student Branch Alumni wherever they are!**
- **Call prominent IEEE Alumni from Academics & Industry for interaction: mentoring**
- **Two meets, one in Delhi & Kerala sections**

Council/ Section Student Congress

- **Organize student congresses at Council/ section level**
 - To improve networking among the student branches in a section/council
 - To familiarize the new branches towards IEEE activities
 - To understand the problems faced at a SB level
 - To improve the relationships and interactions among the student branches

- **Pakistan student congress, All India student congress, Hyderabad section student congress partially funded by R10**

Branch Operations Guide

- **A Guide for the Student Branch Officers**
- **Made Available online / Hard Copy to branches**

- **Major Contents**
 - **Region 10 Sections, Student Branches and Statistics**
 - **Organization, Branch Administrations, Activities**
 - **Leadership Training, brainstorming, fundraising ideas**
 - **Awards, Library, Rebate Schedule**
 - **Calendar, Forms**
 - **R10 SAC Initiatives ... etc.**

Region 10 Initiatives: Impact on Inactive SBs

Section	Branches: Dec 06/ Dec 07		Inactive branches Dec06/07		Event supported by R10
	2006	2007	2006	2007	
BANGALORE	34	38	13	8	
BOMBAY	78	80	24	15	BC congress
CALCUTTA	10	11	4	2	
DELHI	23	25	7	5	
HYDERABAD	52	55	16	6	BC congress
KERALA	35	39	4	4	
MADRAS	119	126	50	50	
KARACHI	9	10	8	2	Pak Stud cong
LAHORE	9	10	6	5	
TOTAL	369	392	132	97	35% to 25%



2008 Initiative

R-10 GINI

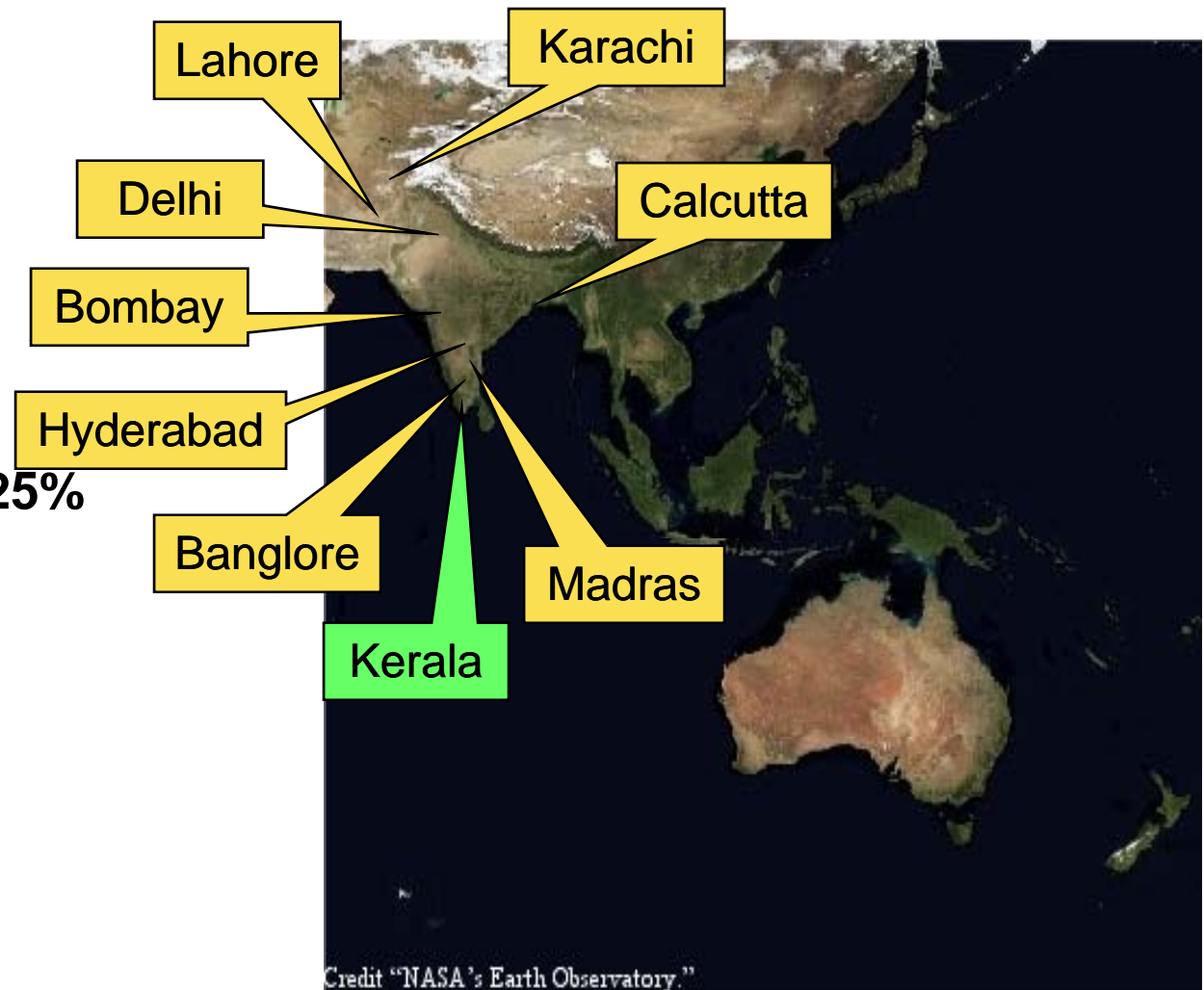
R10 Global Integrated Network of IEEE
students

R10 Global Integrated Network of IEEE

- **R10 GINI – Global Integrated Network of IEEE students**
- **Five Year initiative to integrate all the SBs in Region 10**
- **Based on the successful prototype of IEEE Kerala Section – LINK introduced by Prijoe P. Komattu & S. Gopakumar**
- **R10 GINI formulated by Mr. Prijoe Philips Komattu (GINI Coordinator) & Mini Thomas(R10 – SAC)**
- **The Initiative was formally launched at Region 10 Student Congress held at Chennai, India in January 2008**

Reasons for R10 GINI

- Region 10 still has 25% Inactive Branches
- Successful establishment of IEEE LINK in Kerala



Other Reasons of R10 GINI

- **Stay connected: Networking the students, around Region 10**
- **Improve the SB coordination at Regional level**
 - Creation of new SBs
 - Sustain existing SBs
- **Add Benefit to IEEE Student Membership within Region 10**
- **Maximum utilization of Regional fund for students**
- **Large potential for growth in Student Activities in Region 10**
- **Low conversion rate of student members to GOLD members**

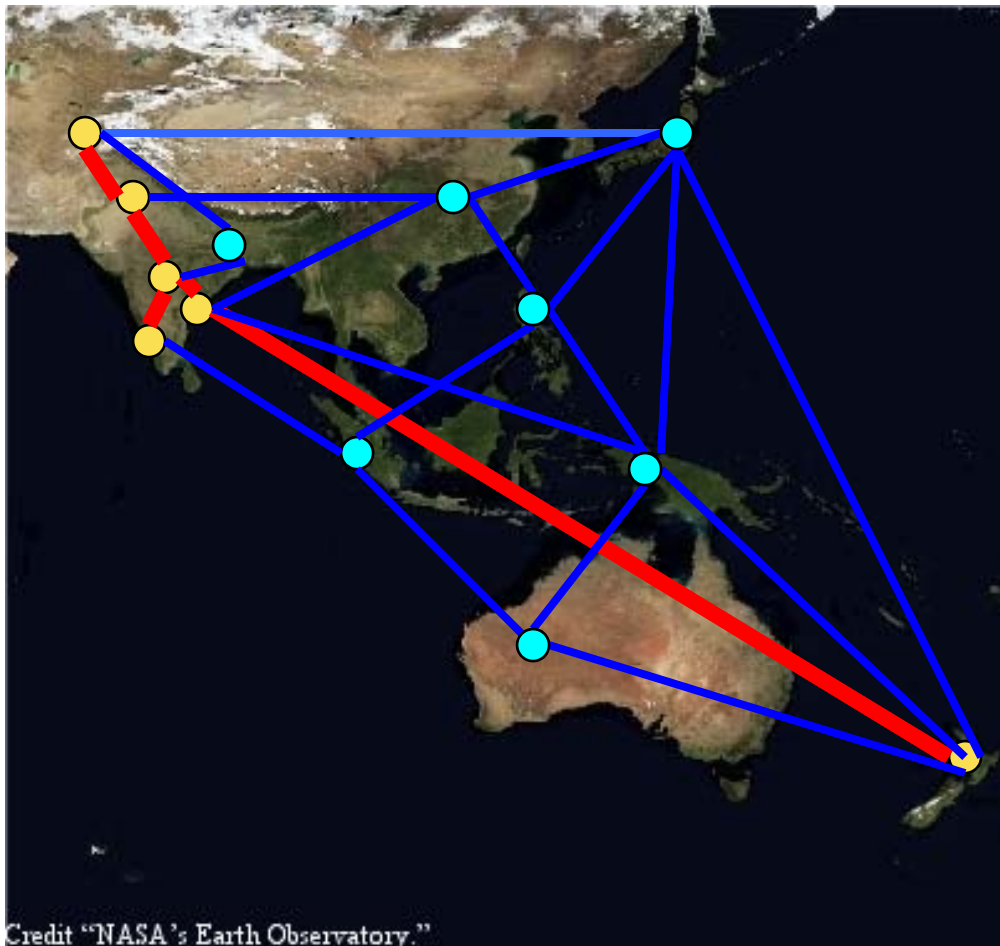
R10-GINI : Vision

- **GINI shall act as a catalyst in networking and sustaining the student branches of Asia- Pacific, and in increasing and adding value to IEEE student membership.**

R10-GINI : Mission

- **Act as a conjunctive body to encompass the Student Branches coming under its geographical span**
- **Increase networking and add value to IEEE student membership**
- **Reactivate sick student branches/add new student branches**

Region 10 GINI - proposed



- **Pilot Sections**
- **Include more pilot sections gradually**
- **Build a full fledged network within a span of 5 years**

R10-GINI Time line

- **2008: 5 Pilot sections and one Mentor Section identified , start coordination activities and establish HUBs**
- **2009: Addition of new sections-Expansion of Pilot projects**
- **2010: Establishing R10 GINI at Council levels**
- **2011: Expansion of R10 GINI**
- **2012: Complete establishment of R10 GINI**

R10-GINI Budget

- **To be shared by Pilot/mentor section and R10 SAC committee (1:3)**

- **In 2008, USD\$ 1000 per Pilot project and Mentor Section**
 - **USD\$ 250 by section**
 - **USD\$ 750 by R10 SAC**

- **Budge to be revised as per operational requirements, as this is a new initiative**

R10-GINI : Areas of Concern

- **Membership Drives**
 - **Membership Drives at Inactive Branches**
- **IEEE Awareness**
 - **Visit potential Institutions for new Student Branches**
- **Spectrum Issues**
 - **To resolve any spectrum related issues to the members**
- **Stabilizing IEEE Offices and the Volunteers**
 - **Ensure the connectivity of Student Branch officials**
 - **Try to bridge the gap with the proper transition of leadership**
- **Branch Counselor – Institution Management Issues**
 - **Sort out issues related to the Institution Management**

R10- GINI: Mentor, Pilot Sections

- **R10 GINI Mentor Section**
 - **IEEE Kerala Section, India (LINK)**

- **R10 GINI Pilot Sections**
 - **IEEE Australia & IEEE New Zealand**
 - **IEEE Delhi Section, India**
 - **IEEE Hyderabad Section, India**
 - **IEEE Karachi Section, Pakistan**
 - **IEEE Madras Section, India**

R10-GINI : Action Plan 2008

▣ First Half (Jan-June)

- Formulate a body of students from mentor & Pilot sections to coordinate the R10-GINI activities
- Strengthen the existing SBs in Pilot sections
- Help the active SBs to start networking among themselves
- Conduct meetings of GINI student volunteers at Pilot sections
- Divide the Pilot Sections into Hubs and start coordinating
- Formulate R10-GINI Execom

All accomplished

R10-GINI : Action Plan 2008

■ Second Half (Jul-Dec)

- Stabilize the Network
- Add Value to IEEE membership
- Joint activities by student branches in a Hub
 - Hub student meets, Job fairs, Lecture series
- GINI face to face meeting (August 9-10) Hyderabad, India
- Formulate a constitution for R10 GINI
- Reactivate SBs, formation of new SBs

R10 GINI : Organization

- **R10-GINI has a three tier structure**
 - **Level 1: R10 GINI Execom**
 - **R10 SAC, RSR, Mentor Section SAC, one Pilot Section SAC, Four Student Volunteers (from GINI section student representatives), R10 GINI Coordinator**
 - **Level 2: Section GINI Execom**
 - **Section SAC, GINI Section Student Representative, Hub Leaders**
 - **Level 3: Hub Level Team**
 - **Hub Leader (SB), Hub Leader Branch Counselor, Branch representatives**

R10 GINI : Connectivity

- R10-GINI has established a website
 - www.ieeer10gini.org
- GINI online meetings conducted regularly
- GINI will organize face to face meeting for the R10 GINI Excom once in a year.

R10-GINI : Activities

- **Launched the Website**
- **R10 GINI Excom and some pilot section Excoms established**
- **Hub level teams formulated**
- **Conducted 2 R10 GINI Excom and 4 General Body online meetings**
- **Mentor designated for Pilot sections for smooth functioning of the initiative**
- **First Face to Face(F2F) meeting conducted at Hyderabad in August, 2008**
- **Mentor section involvement areas identified**
- **R10 GINI constitution being worked out**

R10-GINI : Pilot Section Activities

- **GINI Activities in Pakistan (Jan- Jun)**
 - **GINI Awareness Sessions @ SBs**
 - **Discussions with sick branches to identify the problems faced**
 - **Formation of GINI-Pakistan-Execom**
 - **IEEE awareness and campaign @ potential educational institutions**
 - **Coordinating along with the section to boost the IEEE Activities within the section**

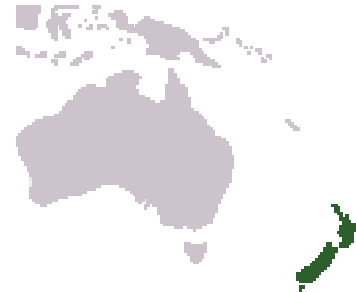
R10-GINI : Pilot Section Activities

- **GINI Activities in Pakistan (Jul – Dec)**
 - **Planning for Section Student Congress**
 - **Conduct more IEEE, GINI awareness sessions**
 - **Conduct Pakistan Student Congress, August 2008**
 - **Reactivate of annual section event- 'SCONEST'**

R10-GINI : Pilot Section Activities

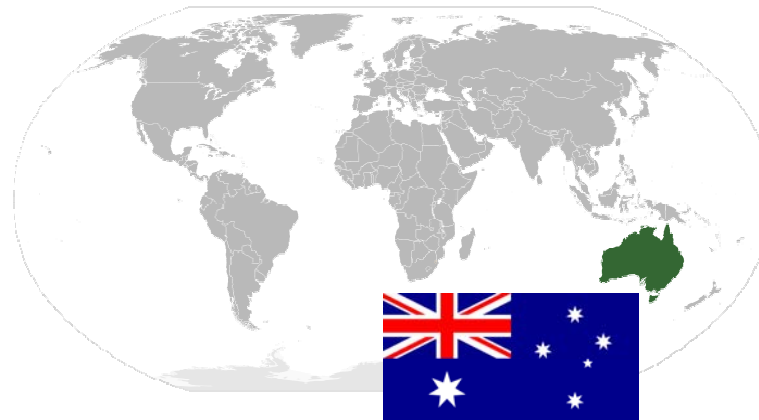
■ GINI Activities in **New Zealand** (Jan-Jun)

- Leadership workshop, jointly conducted University of Auckland and nearby AUT IEEE SB in May 2008
- Attendance of 25 from each university
- AUT was able to obtain enough signatures to officially apply to open a SB, a feat almost 5 years in the making



R10-GINI : Pilot Section Activities

- **GINI Activities in New Zealand (Jul-Dec)**
 - Concentrate on involving UNSW, neighboring Australia to participate in GINI
 - UNSW planning to conduct an event at **University of Sydney** to revive the SB, inactive for past 10 years



R10-GINI : Pilot Section Activities

- **GINI Activities in Hyderabad, India (Jan-Jun)**
 - Visited 6 Dormant SBs during Feb- March 2008
 - Successfully reactivated 4 Inactive SBs
 - Created 3 New SBs in IEEE Hyderabad Section
 - Organized Student Office Bearers Congress in April 2008
 - Created 4 Hubs and started coordinating
 - Organized 3 online meetings with the SB officials
 - Draft Section GINI constitution formulated

R10-GINI : Pilot Section Activities

- **GINI Activities in Hyderabad, India (Jul-Dec)**
 - **Organize Section Student Congress on 9th – 10th Aug, 2008**
 - **Organize GINI Face to Face (F2F) on 9th – 10th Aug, 2008**
 - **Hub level student congress planned**
 - **Organize Awareness Sessions and other activities in inactive and prospective Branches**
 - **Two SBs are in the pipeline to be reactivated.**

R10-GINI : Pilot Section Activities

- **GINI Activities in Madras, India (Jan-Jun) 135 SBs**
 - **Conducted IEEE SB Officers Meet-2008 in March 2008**
 - **Section SBs divided into 10 Hubs on basis of their proximity and a hub center and hub leader was nominated**
 - **Madras Section GINI Excom was formulated**
 - **A Constitution was framed for the Section GINI Activities**
 - **Conducted Section Level Online meeting of GINI**

R10-GINI : Pilot Section Activities

- **GINI Activities in Madras, India (Jul-Dec)**
 - **Held face to face meeting of GINI officers with GINI coordinator and R10 SAC 14th July 2008**
 - **Conduct joint events and career development programs in all the Hubs**
 - **Membership Drives and IEEE awareness is planned at inactive SBs**
 - **Update contact database of the Student branches and its officials**
 - **To Coordinate a Job Fair for the Section IEEE student members**

R10 GINI- Major Achievements

- **Networking among section SBs and Regional SBs on an exponential rise.**
- **Creditable conversion of sick SBs to active SBs**
- **Formation of new SBs**
- **Major increase in Student Branch Activities**
- **Effective Utilization of Regional Funds**

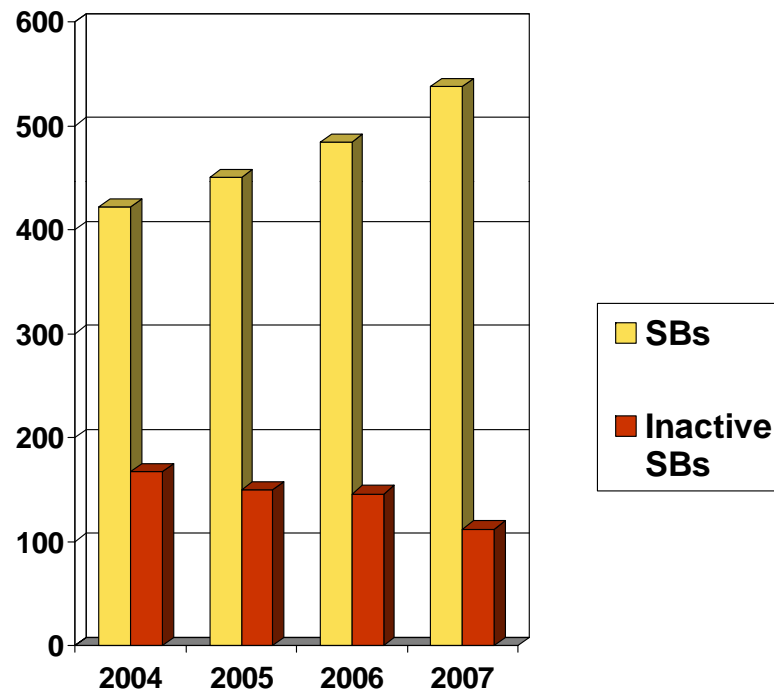
R10-GINI : Challenges

- **Identifying SBs of similar interest**
- **Collaborating across National- Political limitations**
- **Large cultural diversity across Region 10**
- **Long term plan- lack of GSM support**
- **Large funding required as the initiative progresses**

Region 10 Initiatives : Impact on Student Statistics

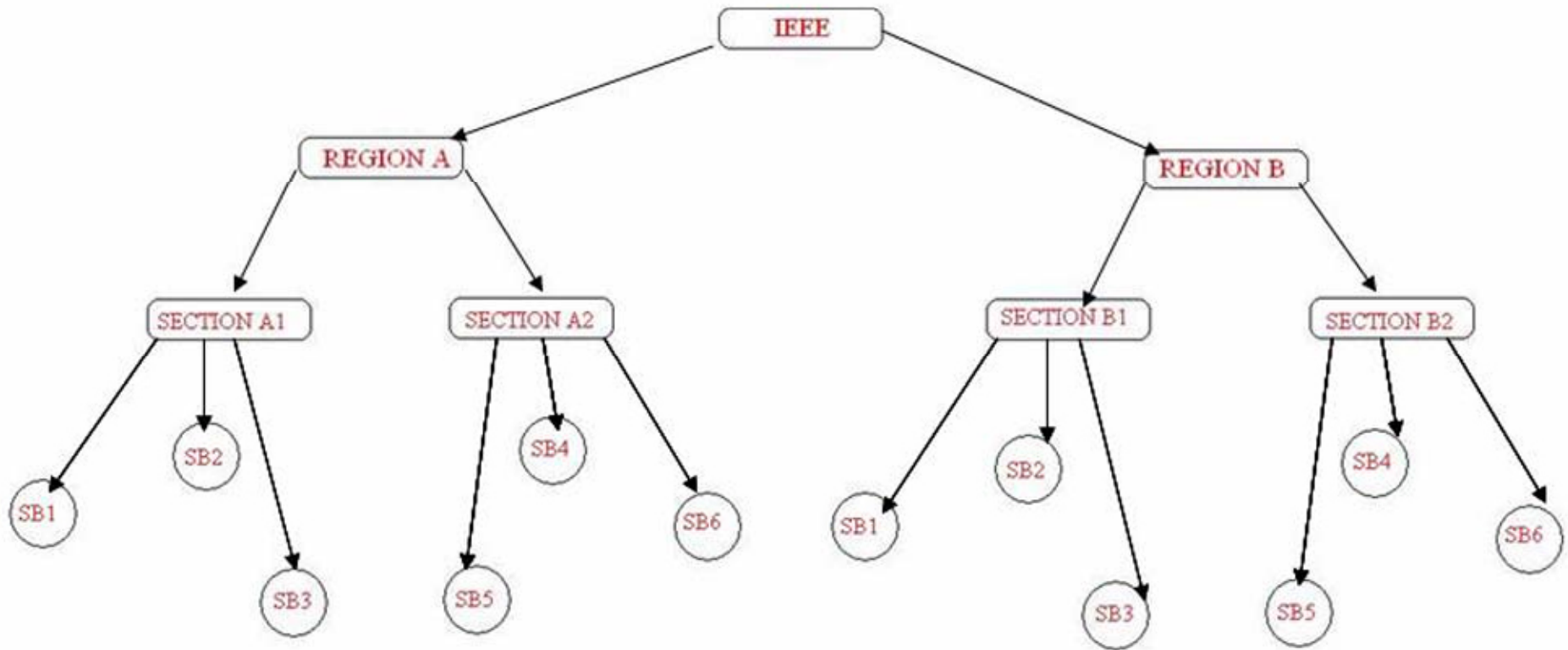
- In 2007, 11% increase in the Student Branches
 - Initiated **54** new SBs
- In 2007, 9% reduction in the inactive Student Branches (zero members)
 - Revived **34** SBs

2008 statistics awaited



IEEE Student Statistics (August 2008)

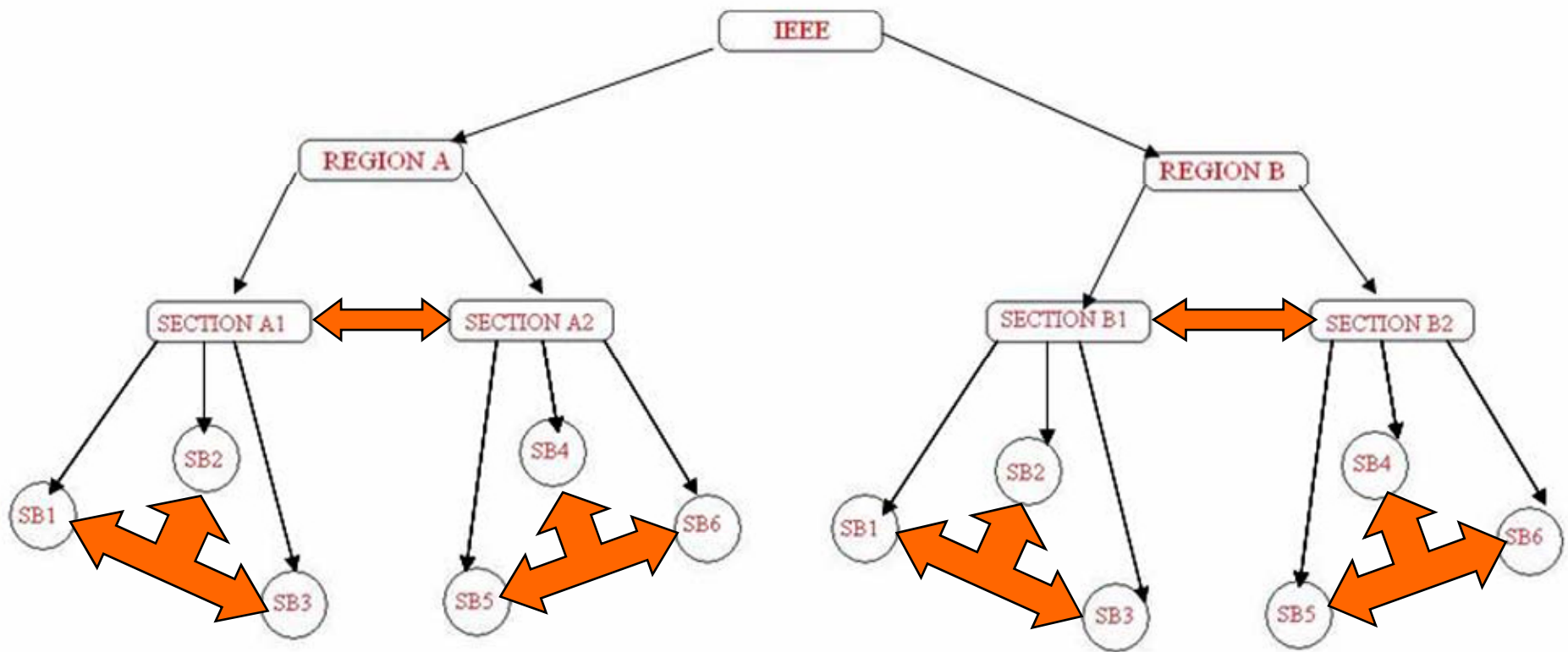
IEEE Student Activities - Structure



Disadvantages

- **Top Down Approach- Old Fashioned Network Model**
- **Network among peers – local and global- very little scope - extensively time consuming process**
- **Benefits for a member is confined to the entity (SB) to which he or she belongs**
- **Lacks lateral knowledge sharing process**
- **Increase in inactive student branches**
- **Difficult to tap new potential educational institutions, as no system exists**

Proposed Structure – New Prototype



Advantages of the new prototype

- **Exponential Growth of the Network**
 - Setting up a similar network is easy
 - The exponential growth in student membership, branches and student activities
- **Lateral knowledge sharing is made a reality**
- **Add benefits to the membership**
 - The reach of membership benefits not limited to an SB
- **Cordial relationships among Student Branches**
 - Mutual help in sustaining as active Student Branches
- **Increase the student involvement in IEEE**
- **Converting higher percentage of student members to GOLD**

R10 GINI is a reality !!

**Surging ahead to network
the 550+ student branches
of Region 10**

Very soon !!!!!

R10 Student Congress 2008

– Mini S. Thomas



Region 10 Student Congress

- IEEE Madras Section hosted the event on 27th -30th January 2008 along with GOLD/WIE at SSN College of Engineering
- 234 registrations, 300 attendees including guest and volunteers

**Big Thank you ! R10 Sections, R10 Excom,
Janina, IEEE Dignitaries, Delegates,
Volunteers!!!**

The Roll Call: R10 Student Congress 08

Pakistan	7	Thailand	1
Bangladesh	4	R8	4
China	8	Delhi	30
Macau	4	Bombay	3
Japan	8	Bangalore	15
Korea	5	Gujarat	7
Australia, NZ	4,1	Hyderabad	22
Malaysia	1	Madras	43
Taiwan	4	Kerala	62

TOTAL Registered Delegates 234



R10 Student congress 2008 Chennai, India



So, we had a great time!

Thank you

Questions ??