
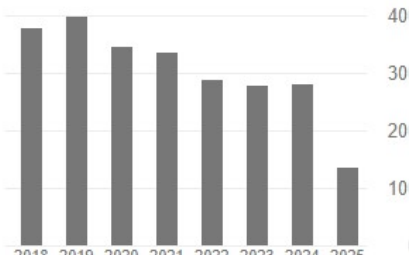
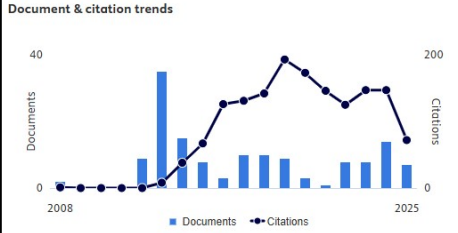
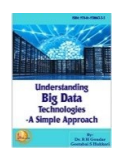
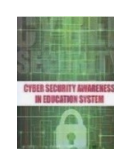
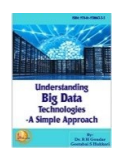
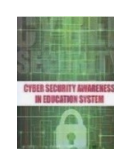
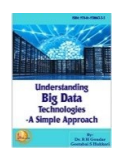
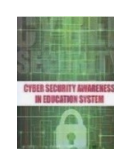


## PROFILE OF Dr.R H GOUDAR

1	<b>FullName and Address</b>	<ul style="list-style-type: none"> <li><b>Name:</b> Dr.R H GOUDAR</li> <li><b>Address:</b> Department of CSE, VTU, Belagavi-590018</li> <li><b>Phone:</b> 8971584906</li> <li><b>Email_id:</b> <a href="mailto:rhgoudar.vtu@gmail.com">rhgoudar.vtu@gmail.com/</a> <a href="mailto:rhgoudar@vtu.ac.in">rhgoudar@vtu.ac.in</a></li> </ul> 												
2	<b>Qualification</b>	DOCTOR OF PHILOSOPHY (Ph.D)												
3	<b>Designation</b>	AssociateProfessor												
4	<b>Google Scholar</b>	<a href="https://scholar.google.com/citations?hl=en&amp;user=_qhrSnIAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=_qhrSnIAAAAJ</a>												
5	<b>Scopus Link</b>	<a href="https://www.scopus.com/authid/detail.uri?authorId=24829300500&amp;origin=resultslist">https://www.scopus.com/authid/detail.uri?authorId=24829300500&amp;origin=resultslist</a>												
6	<b>Citations</b>	<div> <div> <b>GOOGLESCHOLAR</b> <p>Cited by <a href="#">VIEW ALL</a></p> <table> <thead> <tr> <th></th><th>All</th><th>Since 2020</th></tr> </thead> <tbody> <tr> <td>Citations</td><td>3467</td><td>1668</td></tr> <tr> <td>h-index</td><td>21</td><td>15</td></tr> <tr> <td>i10-index</td><td>47</td><td>21</td></tr> </tbody> </table>  </div> <div> <b>SCOPUS</b> <p>Goudar, R. H. Visvesvaraya Technological University, Belagavi, India • Scopus ID: 24829300500 • <a href="#">Show all information</a></p> <p>1,516 Citations by 1,465 documents    142 Documents    15 h-index</p>  </div> </div>		All	Since 2020	Citations	3467	1668	h-index	21	15	i10-index	47	21
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7	<b>Details of Publications</b>	<table> <tr> <td><b>Books:02</b></td><td> “Understanding BigData Technologies-A Simple Approach”   </td><td> “Cyber Security AwarenessinEducation System”   </td></tr> <tr> <td>Journals:</td><td>130</td><td rowspan="4"> <b>Books:02</b>  <b>Scopus:142</b>  Total  Publications:<b>250(Q1+Q2+Q3+Q4)</b>    Papers:<b>38</b> </td></tr> <tr> <td>Conferences:</td><td>085</td></tr> <tr> <td>BookChapters:</td><td>021</td></tr> <tr> <td><b>Q-Index</b>papers</td><td><b>038</b></td></tr> </table>	<b>Books:02</b>	“Understanding BigData Technologies-A Simple Approach” 	“Cyber Security AwarenessinEducation System” 	Journals:	130	<b>Books:02</b> <b>Scopus:142</b> Total Publications: <b>250(Q1+Q2+Q3+Q4)</b> Papers: <b>38</b>	Conferences:	085	BookChapters:	021	<b>Q-Index</b> papers	<b>038</b>
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BookChapters:	021													
<b>Q-Index</b> papers	<b>038</b>													

8	<b>Positions held</b>	<ul style="list-style-type: none"> <li>• Special Officer in Examination Section, VTU Belagavi (December 2019-March 2023)</li> <li>• Special Officer (Ph.D Section),VTU Belagavi (December 2023-March 2024)</li> <li>• Director, ITISMU from March 2023-Aug 2023.</li> <li>• Research Coordinator, Dept.of CSE, VTU Belagavi (July2019-till date)</li> <li>• Centre of Excellence, Departmental In-charge, CSE, VTU Belagavi</li> <li>• Coordinator International Cell(Global Campus) -2024 to tilldate</li> </ul>
9	<b>Grants fetched</b>	<ul style="list-style-type: none"> <li>• Young Research Scientist awarded with a grant of <b>6lakhs</b> FromVGST, Karnataka, 2016.</li> <li>• Competitive Research grant of <b>2Lakhs</b> under TEQIP-III VTU Belagavi 2019.</li> <li>• Faculty Development Program Grant of <b>3Lakhs</b> Under TEQIP-III, VTU Belagavi, 2019</li> <li>• Grant of Rs.<b>6.10 Lakhs</b> for “Machine Learning Based Rescue System for Disaster Affected Areas in Karnataka”,2022</li> <li>• Received grant of <b>14.5lakhs</b> from AICTE, Newdelhi 2011.</li> <li>• Received grant of <b>6.0 lakhs</b> from UCOST, Dehradun, 2012</li> </ul>
10	<b>Awards</b>	<ul style="list-style-type: none"> <li>• <b>Eminent Engineer Award</b> Received from Hon’ble CM of Karnataka, 15<sup>th</sup> September 2023, Instituted by IE.</li> <li>• Recipient of Maharashtra State National Award for <b>Outstanding Research Work in Engineering &amp; Technology</b> 2019 from ISTE, New Delhi.</li> <li>• <b>Young Research Scientist</b> awarded from VGST, Karnataka, 2016.</li> <li>• <b>Award “VIFA Young Faculty Award”</b> in view of recognition of Contributions, Achievements and Excellence in Computer Science and Engineering for the year 2016.</li> <li>• <b>Outstanding Teacher Award</b> for the year 2013 in recognition of impressive contribution in all academic pursuits.</li> <li>• <b>Research Performance Award</b> for the year 2012 inRecognition of contribution in research</li> </ul>

**Publications (2014–2024)**

**BOOKSPUBLISHED**

Sl. No.	Title	Author/s	Publisher&ISSN/ISBN No.	Year of Publication
1	Understanding Big Data Technologies- A Simple Approach	R H Goudar, Geetabai Hukkeri	Eureka Publisher 978-81-938863-3-5	2019
2	Cyber Security Awareness in Education System	Preeti Saxena, RH Goudar	Savera Publishing House 9789381771297	2015

**Recent Articles Published in Quartile index Journals (Q1, Q2, Q3, Q4)**

S.No	Article Details
1	<b>Leveraging BERT, DistilBERT and TinyBERT for Rumor Detection</b> <i>IEEE Access, 2025(Q1)</i>
2	<b>Split-Fed Learning: A Deep Dive into Methods, Innovations and Future Prospects for Data Privacy and Efficiency in Decentralized Machine Learning</b> <i>IEEE Access, 2025(Q1)</i>
3	<b>A Comprehensive Survey on Split-Fed Learning: Methods, Innovations, and Future Directions</b> <i>IEEE Access, 2025(Q1)</i>
4	<b>A Survey on E-learning Recommendation Systems for Autistic People</b> <i>IEEE Access, 2024(Q1)</i>
5	<b>A Digital Recommendation System for Personalized Learning to Enhance Online Education: A Review</b> <i>IEEE Access, 2024(Q1)</i>
6	<b>Drought Forecasting: Application of Ensemble and Advanced Machine Learning Approaches</b> <i>IEEE Access, 2024(Q1)</i>
7	<b>Efficient Algorithm for Error Optimization and Resource Prediction to Mitigate Cost and Energy Consumption in a Cloud Environment</b> <i>International Journal of Information Technology (Springer), 2024(Q2)</i>
8	<b>Enabling Public Verifiability and Availability for Secure Data Storage in Cloud Computing</b> <i>Evolving Systems, 2017(Q2)</i>
9	<b>Utility Based Load Balancing using Firefly Algorithm in Cloud</b> <i>Journal of Data, Information and Management (Springer), 2020(Q2)</i>
10	<b>Blockchain Technology Review: Consensus Mechanisms and Applications</b> <i>International Journal of Engineering Trends and Technology, 2023(Q3)</i>
11	<b>Erratic Navigation in Lecture Videos using Hybrid Text-based Index Point Generation</b> <i>International Journal of Advanced Computer Science and Applications, 2022(Q3)</i>
12	<b>Machine Learning in OCR Technology: Performance Analysis of Different OCR Methods for Slide-to-Text Conversion in Lecture Videos</b> <i>International Journal of Advanced Computer Science and Applications, 2022(Q3)</i>
13	<b>An Adaptive Approach for Preserving Privacy in Context Aware Applications</b> <i>International Journal of Advanced Computer Science and Applications, 2022(Q3)</i>

14	<b>Open Assessment Methodology-Based Decision Support System in Blended Learning</b> <i>International Journal of Knowledge and Learning (Inderscience), 2020(Q3)</i>
15	<b>Cloud Computing Review: Concepts, Technology, Challenges and Security</b> <i>International Journal of Cloud Computing, 2017(Q3)</i>
16	<b>Empowering Learners: The Impact of AI-Enhanced Learning and Recommendations</b> <i>International Journal of Intelligent Engineering &amp; Systems, 2024(Q3)</i>
17	<b>Optimizing 6G Networks: The Role of Reconfigurable Intelligent Surfaces in Terahertz Communication</b> <i>International Journal of Computing and Digital Systems, 2024(Q3)</i>
18	<b>Enhancing Personalization with Graph Neural Networks in Agile Recommendation Systems</b> <i>International Journal of Computing and Digital Systems, 2024(Q3)</i>
19	<b>Detection of Text from Lecture Video Images using CTPN Algorithm</b> <i>International Journal of Engineering Trends and Technology, 2022(Q4)</i>
20	<b>Deep Learning-Based Text Detection Model for Lecture Video Analysis: Impact of COVID-19</b> <i>International Journal of Advances in Soft Computing and Its Applications, 2024(Q4)</i>


### Recent Selected Conference articles

S.No	Article Details
1	<b><i>Machine Learning-Based Personalized Recommendation System for E-Learners</i></b> IEEE, 3rd International Conference on Smart Technologies in Computing, 2023
2	<b><i>Prediction of DDoS Flooding Attack using Machine Learning Models</i></b> IEEE, 3rd International Conference on Smart Technologies in Computing, 2023
3	<b><i>A Review on Layered Architecture and Application Domains of Blockchain Technology</i></b> IEEE, International Conference on Electrical, Computer and Energy Technologies, 2022
4	<b><i>Open Assessment Method for Personalized Recommendations</i></b> Springer, ICTIEE, 2014
5	<b><i>Implementation and Embellishment of Prevention of Keylogger Spyware Attacks</i></b> Springer, Symposium on Security in Computing and Communication, 2013
6	<b><i>Semantic Annotation of Web Documents for Efficient Information Retrieval</i></b> Springer, Conference on Intelligent Interactive Technologies, 2013
7	<b><i>Enabling Public Verifiability and Availability for Secure Data Storage in Cloud Computing</i></b> Springer, Evolving Systems Conference, 2015
8	<b><i>Integrating Visual Features and Text-Based Annotation for CBIR System</i></b> Elsevier, ERCICA, 2013
9	<b><i>CRETAL: A Personalized Learning Environment in Conventional Setup</i></b> ACM, Compute Conference, 2018
10	<b><i>Searching, Categorizing and Tour Planning: A Novel Approach towards E-Tourism</i></b> IEEE, RTEICT, 2017
11	<b><i>Real-Time Threat Detection System in Cloud using Big Data Analytics</i></b> IEEE, RTEICT, 2017
12	<b><i>Design and Analysis of Content-Based Video Retrieval System</i></b> IEEE, Smart Tech Nation, 2017
13	<b><i>Communication Solution for Hearing Impaired using Gesture &amp; Sentence Formation</i></b> IEEE, Smart Tech Nation, 2017
14	<b><i>Intelligent Traffic Management System and Analysis for Smart Cities</i></b> IEEE, Smart Tech Nation, 2017
15	<b><i>Intrusion Detection Systems in MANETs using Hybrid Techniques</i></b> IEEE, Smart Tech Nation, 2017
16	<b><i>Price Negotiation for Cloud Resource Provisioning</i></b> IEEE, Smart Tech Nation, 2017

## Recent Selected BOOK CHAPTERS

SL.No	PUBLICATIONDETAILS	YEAR
1	<a href="#"><u>Inclusive Learning and Assessment in the Era of AINA</u></a> M Patil, RH Goudar, A Nayyar, GM Dhananjaya, VN Rathod Adopting Artificial Intelligence Tools in Higher Education, 23-40	2025
2	<a href="#"><u>DTwin for Urbanization: Early Warning Systems, Post-Disaster Recovery, Resilient Communities</u></a> VN Rathod, RH Goudar Digital Twins for Smart Cities and Urban Planning, 179-193	2025
3	<a href="#"><u>Digital Twin Technology Role in Health, Education, Historical Data, Trends, Simulation, Analytics, and Monitoring</u></a> GM Dhananjaya, RH Goudar, S Deshpande, GM Shivanagowda, M Patil Digital Twins for Smart Cities and Urban Planning, 136-164	2025
4	<a href="#"><u>Splitfed learning for smart agriculture</u></a> Geetabai S Hukkeri, ShilpaAnkalaki, RH Goudar, HL Gururaj Pages: 201-222	2024
5	<a href="#"><u>Splitfed learning for smart transportation</u></a> GM Dhananjaya, Geetabai S Hukkeri, RH Goudar, Vijayalaxmi N Rathod Pages:169-186	2024
6	<a href="#"><u>An Efficient Implementation of ARIMA Technique for Air Quality Prediction</u></a> R Patil, G Bedekar, P Tergundi, R H Goudar Intelligent Data Communication Technologies and Internet of Things, 441-451	2022
7	<a href="#"><u>An Efficient Implementation of ARIMA Technique for AirQuality Prediction</u></a> Gayatri Bedekar, R S Patil, Parimal Tergundi ,R H Goudar Journal: Available at SSRN 3889537	2021
8	<a href="#"><u>Load Balancing Using Firefly Approach</u></a> MTTapale,RHGoudar,MNBirje Progress in Advanced Computing and Intelligent Engineering,483-492	2021
9	<a href="#"><u>IoT-Based Automated Solution to Irrigation: An Approach to Control Electric Motors Through Android Phones</u></a> VBJoshi,RHGoudar Recent Findings in Intelligent Computing Techniques, 323-330	2019
10	<a href="#"><u>Building an Information Retrieval Apparatus for Kannada Language: A Rule-Based Machine Interpretation System with Noise Suppression</u></a> SKulkarni,RHGoudar Recent Findings in Intelligent Computing Techniques,63-71	2019
11	<a href="#"><u>Human Cancer Classification and Prediction Based on Gene Profiling</u></a> HNMegha,RHGoudar Recent Findings in Intelligent Computing Techniques, 435-440	2018
12	<a href="#"><u>Analysis of New Data Sources in Modern Teaching and Learning Processes inthe Perspective ofPersonalized Recommendation</u></a> GM Shivanagowda, RH Goudar, UP Kulkarni Computational Intelligence in DataMining-Volume1,529-539	2015

13	<a href="#"><u><b>Power Efficiency with Localization for Tracking and Scrutinizing the Aquatic Sensory Nodes</b></u></a> P R Verma, D P Singh, R H Goudar Intelligent Computing, Communication and Devices, 661-673	2015
14	<a href="#"><u><b>The attack back mechanism: An efficient back-hacking technique</b></u></a> A Joshi, R H Goudar Advanced Computing, Networking and Informatics-Volume 2, 233-240	2014
15	<a href="#"><u><b>“Eco-Computation”: A Step Towards More Friendly Green Computing</b></u></a> A Joshi, K Tewari, B Pant, R H Goudar Proceedings of the Second International Conference on Soft Computing for	2014
16	<a href="#"><u><b>Efficient Protocol Prediction Algorithm for MANET Multimedia Transmission Under JF Periodic Dropping Attack</b></u></a> A Katal, M Wazid, R H Goudar Proceedings of the Second International Conference on Soft Computing for...	2014
17	<a href="#"><u><b>Semantic Search in E-Tourism Services: Making Data Compilation Easier</b></u></a> J Agarwal, N Sharma, P Kumar, V Parshav, A Srivastava, R Rathore, ... Proceedings of the Second International Conference on Soft Computing for...	2014
18	<a href="#"><u><b>Effective ontology alignment: an approach for resolving the ontology heterogeneity problem for semantic information retrieval</b></u></a> A Kandpal, R H Goudar, R Chauhan, S Garg, K Joshi Intelligent Computing, Networking, and Informatics, 1077-1087	2014
19	<a href="#"><u><b>Enhanced Single-Pass Algorithm for Efficient Indexing Using Hashing in Map Reduce Paradigm</b></u></a> P K Sinha, P Joshi, P Pundir, M Negi, R H Goudar Intelligent Computing, Networking, and Informatics, 1195-1200	2014
20	<a href="#"><u><b>Classification Technique for Improving User Access on Web Log Data</b></u></a> B Kotiyal, A Kumar, B Pant, R H Goudar Intelligent Computing, Networking, and Informatics, 1089-1097	2014
21	<a href="#"><u><b>Performance of LAN under different Ethernet wiring standards</b></u></a> M Wazid, R S Sachan, R H Goudar Proceedings of the CUBE International Information Technology Conference, 166-172	2012

<p><b>FDP and Webinar</b></p>	 <pre> graph TD     A("FDP &amp; Webinars :39") --&gt; B("FDPs :26")     A --&gt; C("Webinars :13")     B --&gt; D("More than 5 days :21")     B --&gt; E("Less than 5 days :04")     C --&gt; F("FDPs Conducted :01") </pre>
<p><b>Areas of Specialization</b></p>	<ul style="list-style-type: none"> <li>• Big Data</li> <li>• Cloud Computing</li> <li>• Semantic Web</li> <li>• Wireless Sensor Network</li> <li>• Information Retrieval</li> <li>• Blockchain Technology</li> <li>• Information Security</li> </ul>
<p><b>Paper Reviewer</b> (as of September 2024)</p>	<ul style="list-style-type: none"> <li>• <b>Reviewer of IEEE Transactions</b> on Knowledge and Data Engineering.</li> <li>• <b>Section Editor of CSE, VTU Journal"</b> International Journal of Engineering Sciences and Management (IJESM) – A Multidisciplinary publication of VTU</li> </ul>
<p><b>Courses Taught</b></p>	<ul style="list-style-type: none"> <li>• Information and Network Security</li> <li>• Network Management</li> <li>• Network Routing Algorithms</li> <li>• Network Programming</li> <li>• Wireless Sensor Network</li> <li>• Cyber Crime and Digital Forensics</li> <li>• Distributed Computing</li> <li>• Research Methodology and IPR</li> <li>• Managing BigData</li> <li>• Machine Learning Techniques</li> <li>• Operating System</li> <li>• Semantic Web</li> </ul>

<b>Invitation as/Resource person/Guest faculty /Programmes done</b> (as of September 2024)	<ul style="list-style-type: none"> <li>Delivered an invited talk on <i>Socket Programming</i> at the Department of MCA, KLE Dr. MSSCET, Belagavi, in 2013.</li> <li>Delivered an expert lecture on <i>Network Application Development</i> at VTU, Belagavi, in 2014.</li> <li>Served as Session Chair at the <i>International Conference on Computing, Communication, and Energy Systems</i> in 2015.</li> <li>Invited as Chief Guest for the inauguration of the <i>Association of CSE</i> at AITM, Belagavi, in 2015.</li> <li>Invited as Chief Guest for the <i>ACAE Valedictory and Farewell Function</i> at GIT, Belagavi.</li> <li>Delivered an invited talk on <i>Socket Programming in Linux</i> at the Department of CSE, RYMEC, Bellary, in 2015.</li> <li>Served as Resource Person for the session "<i>Selection of Journals for Research Output and Qualifying Research Output</i>" organized by the Department of CSE, BLDEA's Dr. P. G. Halakatti College of Engineering &amp; Technology, Vijayapur, in 2017.</li> <li>Delivered a session as Resource Person in the AICTE-sponsored one-week FDP on "<i>Intelligence of Things</i>" conducted by the Department of CSE, RIT, Rajaramnagar, Islampur, in 2018.</li> <li>Acted as Resource Person in the FDP on "<i>Paradigms in Intelligent Computing</i>" organized by the Department of CSE, VTU Belagavi, in 2018.</li> <li>Acted as Resource Person in the FDP on "Effective Research Paper/ Report and Proposals Writing and Publication" at VTU, Belagavi on 20/08/2024</li> <li>Served as Session Chair for the National Conference on "Pedagogy for Emerging Technologies and Innovation &amp; design Thining" on 28th March, 2025.</li> <li>Delivered a session as Resource Person on the topic "Research Awareness" at Canara Engineering College on 24-08-2024.</li> <li>Served as a Jury Member at Hack2Future at IIIT Dharwad October 2024</li> <li>Delivered a session as a resource person on the topics: Best Practices for Research Paper Writing on 23.08.2024 at VCET Puttur.</li> <li>Delivered a session as a resource person on the Inculcating Best Research Practices at CEC Mangalore on 6/6/2025.</li> <li>Technical Program Committee Member for IEEE INNOVA_2024 at BLDEACET, Vijayapura, Karnataka, India.</li> <li>Delivered a session as a resource person on the Modern teachings Tools at VTU Belagavi on Feb 2nd 2024.</li> <li>Delivered a session as a resource person for CBSE Principals at VTU Belagavi 24th Nov 2023.</li> <li>Delivered a session as a resource person on the topics: Best Practices for Research Paper Writing on 12.7.25 at GIT Belagavi</li> <li>Delivered a session as a resource person on the topics: A research Metrics a Prototype for Quantifying Research Output on 28.11.2019 at DRIEMS, Cuttack, Odissa.</li> <li>Delivered a session as a resource person on the topics: A research Metrics a Prototype for Quantifying Research Output on 28.11.2019 at Temple City Institute of Technology Engineering, Bhuvaneshwar, Odissa.</li> </ul>
<b>Representation on BOS/ Syllabus committees of Universities</b>	<b>Member of:</b> <ul style="list-style-type: none"> <li>Board of Studies (BoS), Department of CSE, VTU Belagavi</li> <li>Board of Studies (BoS), Department of CSE/ISE, SDMCET, Dharwad</li> <li>Board of Studies (BoS), Department of CSE, RIT, Rajaramnagar, Islampur</li> <li>BOE, VTU Belagavi</li> </ul>



<b>Details of Guidance for M.Tech/MCA Students</b>	200+						
<b>Details of Research Guidance for Ph.D Scholars</b>	<table> <tr> <td><b>Ph.D Awarded Scholars</b></td><td><b>FullTime Research Scholars</b></td></tr> <tr> <td>06</td><td>05</td></tr> </table>	<b>Ph.D Awarded Scholars</b>	<b>FullTime Research Scholars</b>	06	05		
<b>Ph.D Awarded Scholars</b>	<b>FullTime Research Scholars</b>						
06	05						
<b>Any other Information</b>	Member of BOE VTU Belagavi						
<b>Professional Summary/ Work Experience</b>	<table> <tr> <td><b>Teaching</b></td><td><b>20</b></td></tr> <tr> <td><b>Research</b></td><td>20</td></tr> <tr> <td><b>Industry</b></td><td>0.6</td></tr> </table>	<b>Teaching</b>	<b>20</b>	<b>Research</b>	20	<b>Industry</b>	0.6
<b>Teaching</b>	<b>20</b>						
<b>Research</b>	20						
<b>Industry</b>	0.6						
<b>Professional Memberships</b>	<ul style="list-style-type: none"> <li>• LMISTE</li> <li>• LMCSI</li> <li>• SMACEEE</li> <li>• SMIACSIT</li> <li>• MUACEEE</li> <li>• MCSTA</li> <li>• MIWA</li> <li>• IAENG</li> </ul>						