

## **SOMPRAKASH BANDYOPADHYAY**

Professor, Management Information System Group &  
Founder-Research Director, Social Informatics Research Group  
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### **Curriculum vitae**

#### **Profile**

Prof. Somprakash Bandyopadhyay is a Professor in **Management Information Systems Group** since the year 2000 and Founder-Director of **Social Informatics Research Group** (since 2014) at **Indian Institute of Management, Calcutta**. *Social Informatics Research Group* (<http://www.iimc-sirg.in/>) is a multi-disciplinary research group involving researchers and practitioners in the domain of Management, Social Policy, Sociology, Education, Social Work and Computer & Information Science. The objective of Social Informatics Research Group is to evaluate the possible impact of Internet-enabled Social Technologies and to develop and investigate Socially-enabled Applications in empowering underprivileged communities.

He is a PhD in Computer Science from Jadavpur University, India and B.Tech in Electronics and Electrical Communication Engineering from Indian Institute of Technology, Kharagpur, India. He was a **fellow of the Alexander von Humboldt Foundation, Germany** and **fellow of the Japan Trust International Foundation**. He has around **40 years of experience in teaching, research and development** in several organizations of international repute, including PricewaterhouseCoopers Ltd., Advanced Telecommunications Research Institute, Japan, Indian Institute of Technology Kharagpur, Indian Institute of Technology Bombay, German Research Centre for Artificial Intelligence (DFKI), Germany, Tata Institute of Fundamental Research, Bombay and Jadavpur University, Kolkata.

<https://facultylive.iimcal.ac.in/users/somprakash>  
<http://www.iimc-sirg.in/>

He is also Founder-Mentor of **Nexconnect Ventures Pvt Ltd** (2017 onwards) ([www.nexconnectventures.com](http://www.nexconnectventures.com)), a social business venture seeking to address issues of social exclusion by empowering communities by connecting them digitally. [www.nexconnect.co.in](http://www.nexconnect.co.in); [www.ncore.co.in](http://www.ncore.co.in)

He was also Co-founder-Director of **Pervcom Consulting** (2005-2015), an ICT start-up working in the area of pervasive computing and communication systems. **Pervcom** is the first Indian company to design, develop and productize devices and system solutions for remote tracking, monitoring and management of objects, human beings and environment using RFID tags, Sensors and Actuators with wireless mesh networking technologies.

#### **Current Research Interests**

- Social Technologies for Social Development: Creating a New Development Ecosystem in a Digitally Connected World
- Social Inclusion through Digital Inclusion: Social Knowledge Management for Rural Empowerment
- Bridging Education Divide using Social Technologies
- Enhancing Marketplace Participation of Subsistence Producers in a Digitally Connected World

#### **Selected Publications : Books** (Last 4 years: 2018-2021) <Complete List of Books Published at the end>

1. **Somprakash Bandyopadhyay**, Sneha Bhattacharyya, Jayanta Basak (2021). **"Social Knowledge Management for Rural empowerment: bridging the Knowledge Divide Using Social Technologies"**. Routledge (Taylor and Francis Group). ISBN: 978-0-367-70708-8.  
<https://www.amazon.in/Social-Knowledge-Management-Rural-Empowerment/dp/0367334941>

2. **Somprakash Bandyopadhyay**, Arina Bardhan, Priyadarshini Dey, Sneha Bhattacharyya (2021). *"Bridging the Education Divide using Social Technologies: Explorations in Rural India"*. Springer.ISBN:978-981-336-738-8. <https://www.amazon.in/Bridging-Education-Divide-Social-Technologies-ebook/dp/B08W3YDVGS>

### **Selected Publications : Journals (Last 4 years: 2018-2021) <Complete List of Publications at the end>**

1. Parthiban, R., Jaikumar, S., Basak, J. and **Bandyopadhyay, S.** (2020), "Digital access through smartphones and well-being of BoP women: insights from a field study in India", *Information Technology & People*, Vol. 35 No. 1, pp. 1-26. <https://doi.org/10.1108/ITP-10-2019-0552>
2. Parthiban R., Qureshi I., **Bandyopadhyay S.** and Jaikumar S. (2020) "Digitally Mediated Value Creation for Non-Commodity Base of the Pyramid Producers" *International Journal of Information Management*, Volume 56, February 2021; online at: <https://doi.org/10.1016/j.ijinfomgt.2020.102256>.
3. Parthiban, R., Qureshi, I., **Bandyopadhyay, S.** (2020). Leveraging ICT to Overcome Complementary Institutional Voids: Insights from Institutional Work by a Social Enterprise to Help Marginalized. *Information Systems Frontiers* 22, 633–653 (2020). <https://doi.org/10.1007/s10796-020-09991-6>
4. Bardhan, A. & **Bandyopadhyay, S.** (2019) Productive Ageing: Insights from an Action Research dealing with Senior Citizens' engagement with an E-Learning Platform to Educate Underprivileged Children. *Indian Journal of Gerontology*. Vol.33, No.2. <http://gerontologyindia.com/pdf/vol-33-2.pdf>
5. Priyadarshini Dey and **Somprakash Bandyopadhyay** (2018), "Blended learning to improve quality of primary education among underprivileged school children in India", *Education and Information Technologies*, Springer , November 2018 (<https://link.springer.com/article/10.1007/s10639-018-9832-1>)

### **Current Positions**

- Professor, Management Information System Group (since September, 2000 till date)
- Founder and Research Director, Social Informatics Research Group (since April, 2014 till date) <http://www.iimc-sirg.in/>
- Founder-Mentor of Nexconnect Ventures Pvt Ltd ([www.nexconnect.co.in](http://www.nexconnect.co.in)), incubated at IIM Calcutta Innovation Park (<https://www.iimcip.org/our-network/entrepreneur/details?det=MTU1>) (since Feb, 2017 till date)
- Advisor, Institute for Nature Care and Development (INCD), an NGO working towards creating a more inclusive society through holistic development of rural community at large. The focus of INCD is on community development and creation of market opportunities for the rural communities through providing academic and vocational trainings, coupled with digital literacy, entrepreneurship development and communication skill training (<http://incd.org.in/index.html>)

### **Past Positions**

- Visiting Researcher, **Advanced Telecommunications Research Institute, Japan** : 2000-2001
- Principal Consultant, **PricewaterhouseCoopers Limited**, Calcutta: 1995-1999
- Asst Professor of Computer Science & Engg, **Indian Institute of Technology, Kharagpur** : 1994-95
- Alexander von Humboldt Foundation Post Doc Fellow, **German Research Centre for Artificial Intelligence**, Germany : 1989-90
- Asst Professor of Computer Science & Engg, **Indian Institute of Technology, Bombay** : 1985-94
- Principal Systems Engineer **Jadavpur University, Calcutta** : 1981-85
- Scientific Officer, **Tata Institute of Fundamental Research, Bombay** : 1979-81

## **Research Grants Awarded**

1. **Government-funded Research Project** "Creating a digitally enabled social knowledge management platform for rural SC community to bridge rural-urban knowledge, information and market divide", funded by Science for Equity, Empowerment & Development (SEED) Division, Department of Science & Technology, Ministry of Science & Technology, Govt of India (2020 - 2022) [Grant amount: INR 3.0 Million approx.]
2. **Institute-funded Research Project** "Collaborating and Connecting: Social Knowledge Management in a Digitally Connected World" (2015 – 2020) [Grant amount: INR 3.0 Million approx.]
3. **Institute-funded Research Project** "Some Studies on Business and Social Transformation Using Web 2.0-based Social Information Systems" (2014 - 2019) [Grant amount: INR 5.0 Million approx.]
4. **Government-funded Research Project** "Post-Disaster Situation Analysis and Resource Management using Delay-Tolerant Peer-to-Peer Wireless Networks", funded by Information Technology Research Academy, Ministry of Communications & Information Technology, Govt of India ( 2013 - 2018) [Grant amount: INR 6.2 Million approx.]
5. **Institute-funded Research Project** "Ageing Well: Using ICT for empowerment of Indian Elderly People" 2013-2014) [Grant amount: INR 1 Million approx.]
6. **Government-funded Research Project** "Smart-Road: An Intelligent Traffic Congestion Management system using RFID and Wireless Networking Technology", funded by R&D in Electronics: Industrial & Electronics Applications Development, Dept. of Information Technology, Ministry of Communications and Information Technology, Govt. of India (2009 - 2011). [Grant amount: INR 5.6 Million approx.]
7. **Government-funded Research Project** "Pollution Monitoring and Evaluation System Using Sensor Based Wireless Mesh Networks For The Protection of Public Spaces", funded by Department of IT, Ministry of Communications & Information Technology (2007 – 2009). [Grant amount: INR 5.5 Million approx.]
8. **Government-funded Research Project** "Agro-Sense: Real Time Monitoring of the Climatological conditions of the agricultural field for Precision Agriculture using sensor based Wireless Mesh Networks", funded by Media Lab Asia, Govt of India (2007 – 2009). [Grant amount: INR 3.4 Million approx.]
9. **Government-funded Research Project** "A Secure Decentralized Disaster Management Information Network using Rapidly Deployable Wireless and Mobile Computing Technologies", funded by Department of Information Technology, Govt. of India (2005 – 2008). [Grant amount: INR 4.8 Million approx.]
10. **Internationally-funded Research Consultancy Project** "ADHOCNET: Design and Development of MAC and Routing Protocols for Wireless Ad Hoc Networks using Directional Antenna", sponsored by ATR Adaptive Communications Research Laboratories, Advanced Telecommunications Research Institute International, Japan (2002 – 2005)[Grant amount: INR 7.2 Million approx.]

## **Awards**

- Awarded "**Life Educator of the Year 2014**" at the "Social Media for All 2014": 19th Int'l Education and Technology Conference, Hong Kong. 15 -17th April, 2014 to recognize contribution towards "all-inclusive education" using social media.
- Awarded **fellowship from Japan Trust International Foundation** to carry out research on ad hoc wireless networks at Advanced Telecommunication Research Institute, Kyoto, Japan from January to September, 2000.
- Awarded **Alexander von Humboldt Fellowship** to carry out post-doctoral research at the German Research Center for Artificial Intelligence (DFKI) at Saarbrucken from October, 1989 to September, 1990.
- Awarded **United Nations Development Programme (UNDP) Fellowship** in June 1988 for a three months' tour in University of Southern California, USA on "Education and Research Network"

## New Elective Courses Designed and Taught (Last 10 years)

**Course Name:** Creating and Managing Innovative ICT Startups  
(Taught every year since 2011 as an elective for MBA students with no. of students 100+)

**Course Name:** Business Transformation with Social Media  
(Taught every year since 2013 as an elective initially for MBA students (with no. of students 60+) and then for Doctoral students)

**Course Name:** Social Technologies for Social Development: Creating a New Development Ecosystem in a Digitally Connected World  
(Taught in 2020-21 and 2021-22 as an elective for Doctoral students)

## Entrepreneurship Development Initiative

- **Co-Founder-Mentor of a Social Entrepreneurial Venture, NexConnect Ventures Pvt. Ltd (2017-till date)**

NexConnect Ventures Pvt. Ltd. ([www.nexconnectventures.com](http://www.nexconnectventures.com)), incubated at IIM Calcutta Innovation Park, is a social business venture seeking to address issues of social exclusion by empowering communities and connecting them digitally. Our product, NexConnect Education ([www.nexconnect.co.in](http://www.nexconnect.co.in)) is an Online Live teaching -learning platform that connects quality teachers with all kinds of learners from urban, semi-urban and rural areas through interactive on-line LIVE teaching and training sessions using audio-visual content following board/course specific curriculum. Another initiative is NexConnect-NCORE ([www.ncore.co.in](http://www.ncore.co.in)), a community-driven social engagement platform that empowers rural communities by connecting them with urban markets, government agents, trainers, investors etc. The platform aims to digitally bridge rural-urban knowledge, information and market divide, by enabling rural artisans' easy access to expert-mediated advisory services and market connect.

- **Co-Founder-Director of an ICT start-up, Pervcom Consulting Pvt Ltd. (2005-2015)**

Established in 2005 and funded by WEBEL Venture Capital Ltd (Govt of West Bengal, India), Pervcom has developed innovative enterprise visibility solutions. Pervcom is the first Indian company to design, develop and productize devices and system solutions for remote tracking, monitoring and management of objects, human beings and environment using Active RFID tags, Sensors and Actuators with wireless mesh networking technologies. PervCom's end-to-end complete system solutions are specifically tuned for improving enterprise asset utilization and enterprise security, ensuring miners' safety in opencast and underground mines, and so on.

## Education

- Ph.D. in Computer Science, Jadavpur University, Kolkata, India, 1985
- B. Tech. in Electronics & Electrical Communication Engg., Indian Institute of Technology, Kharagpur, 1979

## LIST OF PUBLICATIONS : BOOKS

1. Somprakash Bandyopadhyay, Sneha Bhattacharyya, Jayanta Basak (2021). **"Social Knowledge Management for Rural empowerment: bridging the Knowledge Divide Using Social Technologies"**. Routledge (Taylor and Francis Group). ISBN: 978-0-367-70708-8.  
<https://www.amazon.in/Social-Knowledge-Management-Rural-Empowerment/dp/0367334941>
2. Somprakash Bandyopadhyay, Arina Bardhan, Priyadarshini Dey, Sneha Bhattacharyya (2021). **"Bridging the Education Divide using Social Technologies: Explorations in Rural India"**. Springer. ISBN:978-981-336-738-8.  
<https://www.amazon.in/Bridging-Education-Divide-Social-Technologies-ebook/dp/B08W3YDVGS>
3. Somprakash Bandyopadhyay, Siuli Roy, and Tetsuro Ueda (2006). **"Enhancing the Performance of Ad Hoc Wireless Networks with Smart Antennas"** Auerbach Publication, Talyor & Francis Group.  
<https://www.amazon.in/Enhancing-Performance-Wireless-Networks-Antennas-ebook/dp/B000D4VTFY>

4. Amitava Mukherjee, Somprakash Bandyopadhyay and Debashis Saha (2003). "Mobile Wireless Networks: Location Management and Routing", Artech House Books.  
<https://www.amazon.in/Location-Management-Routing-Wireless-Networks-ebook/dp/B09F6MGXHS>
5. Debashis Saha, Somprakash Bandyopadhyay and Amitava Mukherjee (2003). "Networking Infrastructure for Pervasive Computing: Enabling Technologies and Systems", Kluwer Academic Publishers.  
<https://www.amazon.in/Networking-Infrastructure-Pervasive-Computing-Technologies/dp/140207249X>

#### LIST OF PUBLICATIONS (JOURNALS) [2015-till date]

1. Parthiban, R., Jaikumar, S., Basak, J. and Bandyopadhyay, S. (2020), "Digital access through smartphones and well-being of BoP women: insights from a field study in India", *Information Technology & People*, Vol. 35 No. 1, pp. 1-26. <https://doi.org/10.1108/ITP-10-2019-0552>
2. Parthiban R., Qureshi I., Bandyopadhyay S. and Jaikumar S. (2020) "Digitally Mediated Value Creation for Non-Commodity Base of the Pyramid Producers" *International Journal of Information Management*, Volume 56, February 2021; online at: <https://doi.org/10.1016/j.ijinfomgt.2020.102256>.
3. Parthiban, R., Qureshi, I., Bandyopadhyay, S. et al. Leveraging ICT to Overcome Complementary Institutional Voids: Insights from Institutional Work by a Social Enterprise to Help Marginalized. *Inf Syst Front* 22, 633–653 (2020). <https://doi.org/10.1007/s10796-020-09991-6>
4. Bardhan, A. & Bandyopadhyay, S. (2019) Productive Ageing: Insights from an Action Research dealing with Senior Citizens' engagement with an E-Learning Platform to Educate Underprivileged Children. *Indian Journal of Gerontology*. Vol.33, No.2. <http://gerontologyindia.com/pdf/vol-33-2.pdf>
5. Priyadarshini Dey and Somprakash Bandyopadhyay (2018), "Blended learning to improve quality of primary education among underprivileged school children in India", *Education and Information Technologies*, Springer, November 2018 (DOI: 10.1007/s10639-018-9832-1)
6. Souvik Basu, Siuli Roy, Somprakash Bandyopadhyay, Sipra Das Bit (2018). "A Utility Driven Post Disaster Emergency Resource Allocation System Using DTN", *IEEE Transactions on Systems, Man, and Cybernetics: Systems* (2018), pp. 1-13, doi:10.1109/tsmc.2018.2813008
7. Moumita Basu, Saptarshi Ghosh, Arnab Jana, Somprakash Bandyopadhyay, Ravikant Singh (2017), "Resource Mapping During a Natural Disaster: A Case Study on the 2015 Nepal Earthquake accepted for publication in Elsevier *International Journal of Disaster Risk Reduction*, 2017
8. Ananya Banerjee, Jayanta Basak, Siuli Roy, Somprakash Bandyopadhyay (2016), "Towards a Collaborative Disaster Management Service Framework using Mobile and Web Applications" *International Journal of Information Systems for Crisis Response and Management* Volume 8 Issue 1, January 2016.
9. Somprakash Bandyopadhyay, Arina Bardhan, Priyadarshini Dey, Shrabastee Banerjee, Srimoyee Das and Kalyan S. Mandal, "A Social Knowledge Management Platform for Universal Primary Education Online", in "*Harnessing Social Media as a Knowledge Management Tool*", Ed. Ritesh Chugh, IGI Global, June 2016, ISBN13: 9781522504955.
10. Moumita Basu, Saptarshi Ghosh, Arnab Jana, Somprakash Bandyopadhyay, Ravikant Singh, "Medical Requirements During a Natural Disaster: A Case Study on WhatsApp Chats among Medical Personnel during the 2015 Nepal Earthquake ", *Disaster Medicine and Public Health Preparedness Journal*, 11(6):652-655. doi: 10.1017/dmp.2017.8.
11. Somprakash Bandyopadhyay, Priyadarshini Dey, Arina Bardhan, Shrabastee Banerjee and Srimoyee Das (2015), "OwlshOracle: Architecting a Social Media based e-Learning Platform for Primary Education of Underprivileged Children by Senior Citizens of India", *Int. J. of Social Media and Interactive Learning Environments*, Inderscience Publishers, Vol.3, No.4, pp.322 - 339, December 2015.
12. Suman Bhattacharjee, Siuli Roy, Somprakash Bandyopadhyay "Exploring an Energy-efficient DTN Framework Supporting Disaster Management Services in Post Disaster Relief Operation", *Wireless Networks Journal* (Springer), April 2015, Volume 21, Issue 3, pp 1033-1046

## CONFERENCES: RECENT [2015-till date]

13. Bhattacharyya, S., Basak, J., Bhaumik, P., Bandyopadhyay, S. (2020). Cultivating Online Virtual Community of Purpose to Mitigate Knowledge Asymmetry and Market Separation of Rural Artisans in India. In the proceedings of 11th International Development Informatics Association Conference (IDIA 2020). Macau, China.  
[www.idia2020.com/wp-content/uploads/2020/03/IDIA2020-Abstract-Book-Preliminary\\_Small.pdf](http://www.idia2020.com/wp-content/uploads/2020/03/IDIA2020-Abstract-Book-Preliminary_Small.pdf)
14. Parthiban R., Qureshi I., Bhatt B. and Bandyopadhyay S. (2019) "Cultural Bricolage as a Tool to Mainstream the Marginalized" (Presented at the Academy of Management Conference (AoM), Vancouver, Canada)  
<https://journals.aom.org/doi/10.5465/AMBPP.2020.18880abstract>
15. Parthiban R., Qureshi I., Bhatt B. and Bandyopadhyay S. (2019) "Leveraging Bricolage to Mainstream the Marginalized: An Inquiry into a Social Enterprise in India" (presented at the International Conference on Business Management, December 2019, Melbourne, Australia)  
<https://journals.sjp.ac.lk/index.php/icbm/article/view/4587>
16. Rishikesan Parthiban, Somprakash Bandyopadhyay and Saravana Jaikumar (2019) "ICT Enabled Institutional Entrepreneurship to Mainstream the Marginalised : Insights from the Case of NexConnect in India". Workshop on Being Human in a Digitized World; Organized by Management Center for Human Values, IIM Calcutta and Association for Information Systems – India Chapter January 2019.
17. Sneha Bhattacharyya, Somprakash Bandyopadhyay, Jayanta Basak (2019), "Social Technology for Rural Community Development: Bridging the Rural Urban Knowledge Divide Digitally", Workshop on Being Human in a Digitized World; Organized by Management Center for Human Values, IIM Calcutta and Association for Information Systems – India Chapter January 2019.
18. Sneha Bhattacharyya, Priyadarshini Dey, Jayanta Basak, Siuli Roy, Somprakash Bandyopadhyay (2019), "Building Resilient Community using Social Technologies: A Precursory Measure for Effective Disaster Management", Proceedings of International Conference on Distributed Computing and Networking (ICDCN), January, 2019. <https://dl.acm.org/doi/10.1145/3288599.3295591>
19. Rishikesan Parthiban, Somprakash Bandyopadhyay, Jayanta Basak (2018). "Towards a Nex-Gen Cottage Industry in the Digital Age: Insights from an Action Research with Rural Artisans in India. 22nd Pacific Asia Conference on Information Systems, PACIS 2018, Yokohama, Japan, June 26-30, 2018
20. Jayanta Basak, Siuli Roy and Somprakash Bandyopadhyay, "Cultivating Online Communities of Practice as Rural Knowledge Management Strategy in India" Proc of the 18th European Conference on Knowledge Management (ECKM 2017), 7 – 8 September 2017, Barcelona, Spain
21. Moumita Basu, Anurag Roy, Kripabandhu Ghosh, Somprakash Bandyopadhyay and Saptarshi Ghosh, "A Novel Word Embedding Based Stemming Approach for Microblog Retrieval during Disasters", accepted for publication in 39th European Conference on Information Retrieval (ECIR 2017), Aberdeen, Scotland, UK
22. Moumita Basu, Anurag Roy, Kripabandhu Ghosh, Somprakash Bandyopadhyay, Saptarshi Ghosh, "Microblog Retrieval in a Disaster Situation: A New Test Collection for Evaluation", accepted for publication in International Workshop on Exploitation of Social Media for Emergency Relief and Preparedness (SMERP 2017), Aberdeen, UK
23. Moumita Basu, Kripabandhu Ghosh, Somenath Das, Ratnadeep Dey, Somprakash Bandyopadhyay, Saptarshi Ghosh, "Utilizing Microblogs for Post-Disaster Relief: Automatic Identification and Matching of Resource Need and Availability" accepted for publication in the 2017 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2017), Sydney, Australia
24. Rishikesan Parthiban, Jayanta Basak and Somprakash Bandyopadhyay, "ICT as a Driver to Improve Socio-Economic Performance of Self-Help Groups (SHG) In India: A Conceptual Framework and its Empirical Validation", PAN IIM World Management Conference, 12th-15th December, 2016, IIM Ahmedabad, India.

25. Jayanta Basak, Rishikesan Parthiban, Siuli Roy and Somprakash Bandyopadhyay, "A Community-Driven Information System to Develop Next Generation Collaborative and Responsive Rural Community (NCoRe)", Presented in ITU Kaleidoscope 2016 - ICTs for a Sustainable World, Bangkok, 14-16 Nov 2016.
26. Somprakash Bandyopadhyay, Priyadarshini Dey, Arina Bardhan and Srimoyee Das "Education for All" in a connected world: a social technology-driven framework for e mobilizing dormant knowledge capital through sharism and mass collaboration *Procedia Engineering*, Elsevier, Proc. of the Humanitarian Technology: Science, Systems and Global Impact 2016, Volume 159, Pages 284-291 (SEP 2016)
27. Moumita Basu, Somprakash Bandyopadhyay, Saptashi Ghosh, "Post Disaster Situation Awareness and Decision Support through Interactive Crowdsourcing", *Procedia Engineering*, Elsevier, Proc. of the Humanitarian Technology: Science, Systems and Global Impact 2016 Volume 159, Pages 167-173 (SEP 2016).
28. Pragna Debnath, Saniul Haque, Somprakash Bandyopadhyay, Siuli Roy, "Post-disaster Situational Analysis from WhatsApp Group Chats of Emergency Response Providers", *Proceedings of the ISCRAM 2016– Rio de Janeiro, Brazil*
29. Anubrata Das, Neeratyoy Mallik, Somprakash Bandyopadhyay, Sipra Das Bit, Jayanta Basak, Interactive Information Crowdsourcing for Disaster Management Using SMS and Twitter: A Research Prototype", Proc. of the 3rd International Workshop on Crowd Assisted Sensing Pervasive Systems and Communications (CASPer 2016), Sydney, Australia 14-18 March 2016.
30. Souvik Basu, Siuli Roy, Sipra Das Bit, Somprakash Bandyopadhyay, "A Human Mobility Based Knowledge Sharing Approach for Post Disaster Need Assessment using DTN", Proc. of 17th International Conference on Distributed Computing and Networking (ICDCN 2016), Singapore 4-7 January 2016
31. Moumita Basu, Kripabandhu Ghosh, Somenath Das, Somprakash Bandyopadhyay, Saptarshi Ghosh: Microblog Retrieval During Disasters: Comparative Evaluation of IR Methodologies. FIRE Workshop 2016: 20-38
32. Tryambak Gangopadhyay, Somprakash Bandyopadhyay, "Resource Mobilization through Mass Collaboration using Social Media: A Measurement Framework to Valuate Social Mediators", Third International Conference on Business Analytics and Intelligence, Indian Institute of Management Bangalore 17 to 19 December 2015
33. Somprakash Bandyopadhyay, Shrabastee Banerjee, Arina Bardhan, Priyadarshini Dey and Srimoyee Das, "A Social Knowledge Management Framework for Harnessing Collective Knowledge Capital of Senior Citizens" Proc of the 12th International Conference on Intellectual Capital, Knowledge Management & Organisational Learning (ICICKM 2015), Bangkok, Thailand 5 – 6 November 2015.
34. Souvik Basu, Suman Bhattacharjee, Siuli Roy, Somprakash Bandyopadhyay, "SAGE-PROPHET: A Security Aided and Group Encounter based PROPHET Routing Protocol for Dissemination of Post Disaster Situational Data", in Proceedings of the 16th International Conference on Distributed Computing and Networking (ICDCN) 2015, ACM Digital Library, doi: 10.1145/2684464.2684492. ICDCN, January, 2015
35. Apratim Mukherjee, Souvik Basu, Siuli Roy, Somprakash Bandyopadhyay, "Developing a Coherent Global View for Post Disaster Situation Awareness using Opportunistic Network", in Proceedings of the 7th International Conference on COMMunication Systems & NETWORKS (COMSNETS) January, 2015

#### **TEACHING CASES : RECENT [2015-till date]**

36. Parthiban R., Shalini, and Bandyopadhyay S. (2020) "Green Agrevolution Pvt. Ltd.: Evolution of an ICT Enabled Ecosystem", IIM-C Case Research Centre, 2019 (Domain: Rural Agricultural Sector)  
[https://www.iimcal.ac.in/sites/all/files/case\\_studies\\_portal/green\\_agrevolution\\_case\\_sneak\\_peek.pdf](https://www.iimcal.ac.in/sites/all/files/case_studies_portal/green_agrevolution_case_sneak_peek.pdf)
37. Rishikesan Parthiban, Shalini and Somprakash Bandyopadhyay (2019). "NexConnect Ventures Pvt. Ltd.: Mainstreaming the Marginalized through the Gig Economy". IIMC Case Research Center (IIMCCRC), January 2019. <https://www.iimcal.ac.in/case-studies-search-result-lists>
38. Parthiban R., Singh R., & Bandyopadhyay S. (2018) "NCoRe Ventures Pvt. Ltd.: Architecting the Virtual Factory Approach", IIM-C Case Research Centre, June 2018

## **JOURNALS AND CONFERENCES: PROJECT-WISE [2000-2014]**

### ***Ageing Well: Using Pervasive Information System for Empowerment of Indian Elderly People***

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39. Priyadarshini Dey, Arina Bardhan and Somprakash Bandyopadhyay, "Architecting a Social Media based e-Learning Environment for Primary Education of Underprivileged Children by Senior Citizens of India", Presented at the Social Media 2014: 19th Int'l Education and Technology Conference, Hong Kong. 15 -17th April, 2014.
40. Kalyan S Mandal, Somprakash Bandyopadhyay, Shrabastee Banerjee, and Priyadarshini De, "Role of ICT In Mitigating Social Problems", Presented in XVIII ISA World Congress of Sociology on Facing an Unequal World: Challenges for Global Sociology, Yokohama, July 13-19, 2014, Japan.
41. Arina Bardhan , Priyadarshini Dey ,and Somprakash Bandyopadhyay, " Connecting Generations: Creation of Web based Virtual Communities for Imparting Formal and Informal Education to the Underprivileged Children by Elderly Community," Presentated in IFA 12th Global Conference on Ageing, Hyderabad, India, June, 2014
42. Arina Bardhan, SomprakashBandyopadhyay and Kalyan S Mandal, "Redefining the role of elderly as facilitator to educate young generation through Information and Communication Technology", Presented in International Conference on Ageing Well-Social and Managerial Challenges (ICAW) held in Kochi, Kerala.17- 19th January 2014.
43. Somprakash Bandyopadhyay, Sagar Bose, Arpan Pal, " Creation of an Assisted Living Environment for Elderly People using Ubiquitous Networking Technologies" Presented at CSI – 2012: 47th Annual National Convention of CSI: International Conference on Intelligent Infrastructure, Kolkata, Dec 2012.

### ***Social Inclusion through Digital Inclusion: A Social Media Based Knowledge Management Framework To Educate The Underprivileged By The Elderly Community***

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