

CURRICULUM VITAE



I. Personal Information

SURNAME: Bista
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DATE OF BIRTH: 23rd August 1975
NATIONALITY: Nepalese
SEX: Male
MARITAL STATUS: Married

II. Educational Status

Level	Institution/Department	Board/Univ.	Year
Ph. D.	Computer Engineering	Chonbuk National Univ. S. Korea	2007 ~ 2011
M.E.	Computer Engineering	Chonbuk National Univ. S. Korea	2005 ~ 2007
B.Sc. IT	Information Technology	Sikkim Manipal Univ., India	2001 ~ 2004
PCL	Patan Multiple Campus, Lalitpur, Nepal	Tribhuvan Univ.	1995
S.L.C.	Shree Bagh Bhairab M. V., Champadevi, Kirtipur-4	Govt. of Nepal	1992

III. Academic Honor and Award

1. **ERASMUS+ Scholarship** for Teaching Mobility to University of Malaga, Spain, November 29 – December 03, 2021
2. **Panel Moderator:** The 12th International Conference AVANCA | CINEMA 2021- Art, Technology, Communication, July 28 – August 01, 2021
3. **AeHIN Country Dialogue Panelist** in the 7th Asia eHealth Information Network (AeHIN) General Meeting, 7, 14, 21, & 28 January 2021
4. **Scholarship for studying two online courses** from *Asia eHealth Information Network (AeHIN)*: (i) Health Informatics and Specialization and (ii) eHealth: More than just an Electronic Record, 2020
5. **Keynote Speaker and Session Chair** in 2nd *International Conference on Recent Innovations in Engineering and Technology (ICRIET-2020)*, 29-30 January 2020, Bhivarabai Sawant College of Engineering & Research in association with Savitribai Phule Pune University, Pune, India
6. **Invited Speaker** *International Youth Conference on Science, Technology, and Innovation (IYCSTI)*, 21-23 October 2019 in Kathmandu, Nepal
7. **ERASMUS+ Scholarship** for *ERASMUS+ Staff Mobility Programme* at the University of Porto, Portugal, July 22-26, 2019
8. **Keynote Speaker and Session Chair** in *International Conference on Green Energy for Sustainable Development (ICGESD-19)*, 26-27 February 2019, Government Polytechnic, Nagpur, India
9. **Keynote Speaker and Session Chair** in *International Conference on Recent Innovations in Engineering and Technology (ICRIET-19)*, 15-16 February 2019, Bhivarabai Sawant College of Engineering & Research in association with Savitribai Phule Pune University, Pune, India
10. **Session Chair** 23rd *International Conference of International Academy of Physical Sciences (CONIAPS XXIII)*, November 16-18, 2018, Nepal Academy of Science and Technology (NAST), Kathmandu, Nepal
11. **Best Paper Award** in 2018 *International Symposium on Information Technology Convergence (ISITC 2018)*, Chonbuk National University, Jeonju, S. Korea, October 24-27, 2018
12. **Invited Speaker and Session Chair** in 2018 *International Symposium on Information Technology Convergence (ISITC 2018)*, Chonbuk National University, Jeonju, S. Korea, October 24-27, 2018
13. **ERASMUS+ Scholarship** for *ERASMUS+ Staff Mobility Programme* at the Wroclaw University of Science and Technology, Poland, May 18- 22, 2018
14. **Travel Grant** from *Nepal Academy of Science and Technology (NAST) Khumaltar, Lalitpur, Nepal* to participate in the 11th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2017), 6-8 December, 2017, Colombo, Sri Lanka
15. **Travel Grant** from *University Grants Commissions (UGC), Bhaktapur, Nepal* to participate in the 11th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2017), 6-8 December, 2017, Colombo, Sri Lanka
16. **Keynote Speaker** in the *International Conference on Communication, Computing, Storage & Energy (IC₃SE-18)*, 15-17 February 2018, Zeal College of Engineering & Research, Narhe, Pune, India
17. **Session Chair** The 11th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2017), 6-8 December, 2017, Colombo, Sri Lanka

18. **ERASMUS+ Scholarship** for ERASMUS+ Mobility Programme at the Bialystok University of Technology, Poland, May 15-19, 2017
19. **Chief Guest and Keynote Speaker** in the *International Conference on Emerging Trends And Research in Engineering (ICETRE2017)*, 23-25 March 2017, Navsahyadri Group of Institutes, Faculty of Engineering, Naigaon, Pune, India
20. **Nepal Bidhya Bhusan “Ka” Medal with Letter of Acknowledgement** from **President of Nepal** on the Occasion of *National Education Day*, September 08, 2016, Kathmandu, Nepal
21. **Letter of Appreciation** from **Vice-President of Nepal** on the occasion of *Silver Jubilee Celebration* program of Shree Bagh Bhairab High School, May 07 2016, Kirtipur-4, Kathmandu, Nepal
22. **Keynote Speaker** in the *Third International Conference on Emerging Trends and Research In Engineering (ICETRE2016)*, 1-3 April, 2016, SND College of Engineering & Research Centre (SNDCOE&RC), Maharashtra, India
23. **Session Chair** The 9th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2015), 15-17 December, 2015, Kathmandu, Nepal
24. **App Camp Winner: NCell App Camp 2015**, Category: Tourism, App Name: PINPEAK, December 2015 (Project Supervisor)
25. **Travel Grant** from *HISP India and MoHP, Nepal*, to participate in DHIS 2 Academy India 2015, jointly organized by HISP India and University of Oslo (UiO) Norway, 16-24 November, 2015 Goa, India
26. **Travel Grant** from *Nepal Academy of Science and Technology (NAST) Khumaltar, Lalitpur, Nepal* to participate in the Second International Conference on Interdisciplinary Research in Engineering, Management, Pharmacy and Science (ICIREMPS 2K15), 19-22 February, 2015 at Sagar Society of Interdisciplinary Research & Technology (SSIRT), Bhopal, India
27. **Travel Grant** from *University Grants Commissions (UGC), Bhaktapur, Nepal* to participate in the 8th IEEE International Conference on Advanced Computing and Communication Technologies (ICACCT14), 15 November, 2014 at Asia Pacific Institute of Information Technology (APIIT), Panipat, Haryana, India
28. **Seed Money** from NORHED, for proposal preparation on *Networked Masters and Professional Programme in Health Information Management in South Asia*, 2013
29. **Grant** from *University Grants Commission, Bhaktapur, Nepal*, to establish **Research Management Cell (RMC)** in School of Engineering, Kathmandu University, Jan-Feb 2013 - Feb 2014
30. **Best Paper Award** *The 1st IEEE International Conference on Networked Embedded Systems for Enterprise Applications (NESEA 2010)*, November 25-26, 2010; Suzhou, China (Oral Presentation)
31. **Brain Korea (BK21) Grant** (2010~2011) to study PhD, funded by Korean Government
32. **Korea Research Foundation Grant** (2007~2010) and **Brain Korea (BK21) Grant** to study PhD, funded by Korean Government (MOEHRD) (KRF-2007-211-D00103)
33. **Korea Research Foundation Grant** (2005~2007) and **Brain Korea (BK21) Grant** to study MS, funded by Korean Government (MOEHRD) (KRF-2005-211-D00322)
34. **100% Scholarship in Tuition Fee** (2001~2004) for every semester of B.Sc. IT (on the basis of the score in semester examination) and topped B. Sc. IT Batch 2001
35. **Gold Medal** from the **Asst. Minister of Education and Culture**, Top in First Division in S.L.C Examination held in the year 2048 B.C. (*among the students of South Region of Kathmandu District*)

36. **School First in Grade XII and Grade IX** scored the highest Marks in academic years 1988 and 1990 among all students of the Shree Bagh Bhairab M. V., Champadevi, Kirtipur, Kathmandu
37. **The Most Disciplined Student of the Year 1988** among all students of the Shree Bagh Bhairab M. V., Champadevi, Kirtipur, Kathmandu, Nepal
38. **100% Scholarship in Tuition Fee** (1987~1991) during middle school and high school education from Grade VI to Grade X for being the First in the respective classes

IV. Main Scientific Publication

i. Thesis and Dissertation

1. *An Energy-Efficient Data Aggregation Scheme with Privacy and Integrity in Wireless Sensor Networks: Ph. D's Dissertation*, Department of Computer Engineering, Chonbuk National University, Jeonju, South Korea, August 22, 2011
2. *Trajectory Search Algorithm Based on Spatio-temporal Similarity for Moving Objects in Spatial Network: MS's Thesis*, Department of Computer Engineering, Chonbuk National University, Jeonju, South Korea, February 22, 2007

ii. Book Chapters

1. *Energy Distance Neighborhood Based Weighted Hierarchical Clustering Algorithm: Rabindra Bista* and Ajay Thapa; Handbook of Wireless Sensor Networks: Issues and Challenges in Current Scenario, Springer Proceedings Book-AISC (Advances in Intelligent Systems and Computing) Series, ISSN: 2194-5357, pp 239-259, February 2020
2. *Randomized Distance Based Clustering Algorithm for Energy Efficient Wireless Sensor Networks: Rabindra Bista* and Anmol Shakya; Advanced Computing and Communication Technologies as Part of the Advances in Intelligent Systems and Computing Book Series (AISC, volume 452), ISBN 978-981-10-1023-1, Springer Publication, pp 377-389, January 2016
3. *Energy Efficient Data Aggregation for Wireless Sensor Networks: Rabindra Bista* and Jae-Woo Chang; Sustainable Wireless Sensor Networks, ISBN: 978-953-7619-X-X, INTECH Open Access Publisher, 2010

iii. International Journals

1. *A Framework for the Detection of Banking Trojans in Android: Subarna Adhikari, Sushil Nepal, and Rabindra Bista*; International Journal of Network Security & Its Application(IJNSA) November 2022, Volume 14, Number 6 ISSN: 0974-9330pp 27-39
2. *Challenges, Opportunities and Future Directions of Smart Manufacturing: A State of Art Review: Sudip Phuyal, Rabindra Bista* and Diwakar Bista; Sustainable Futures (Elsevier) ISSN: 2666-1888 Status: Published DOI: 10.1016/j.sft.2019.100023
3. *Design and Implementation of Cost-Efficient SCADA System for Industrial Automation: Sudip Phuyal, Diwakar Bista, Jan Izykowski and Rabindra Bista*; International Journal of Engineering and Manufacturing ISSN: 2306-5982 (Online) Status: Published DOI: 10.5815/ijem.2020.02.02
4. *A New Approach to Enhance Efficiency of Object Oriented Programming: Rabindra Bista, Loojah Bajracharya, and Deeyoranjan Dongol; TECHNIA – International Journal of Computing Science and Communication Technologies, VOL. 8 NO. 1, July, 2015 (ISSN 0974-3375) pp 1058-1065*

5. *An Efficient Approach to Elliptic Curve Cryptography*: **Rabindra Bista** and Gunendra Bikram Bidari; *International Journal of Scientific and Engineering Research (IJSER)* - (ISSN 2229-5518), IJSER Volume 6, Issue 8, August 2015 pp 595- 601
6. *Fault Tolerance in Preserving Privacy and Assuring Integrity in Wireless Sensor Networks*: **Rabindra Bista**, Nabin Raj Dahal, and Shambhu Prasad Khanal; *Journal of Engineering, Management & Pharmaceutical Sciences (JEMPS)* (ISSN 0976-8416) Volume: 5 Issue: I, February 2015, Pages 6-13
7. *A Model for Software Risk Management (Extended Version)*: **Rabindra Bista** and Deeyoranjan Dongol; *TECHNIA – International Journal of Computing Science and Communication Technologies*, VOL. 7 NO. 2, January, 2015 (ISSN 0974-3375) pp 1028-1035
8. *Improving Data Confidentiality and Integrity for Data Aggregation in Wireless Sensor Networks*: **Rabindra Bista**, Yong-Ki Kim, Myoung-Seon Song and Jae-Woo Chang; *IEICE TRANS. INF. & SYST.*, VOL.E95-D, NO. 1 JANUARY 2012
9. *Privacy-Preserving Data Aggregation Protocols for Wireless Sensor Networks: A Survey*: **Rabindra Bista** and Jae-Woo Chang; *Sensors* 2010, 10(5), 4577-4601
10. *A Data Aggregation Scheme based on Designated Path for Efficient Energy Management of Sensor Nodes in Geo-sensor Networks*: Min Yoon, Yong-Ki Kim, **Rabindra Bista** and Jae Woo Chang; *Journal of Korea Spatial Information System Society*, VOL 12 NO. 1(2010), pp.1-9
11. *Classification and Comparative Analysis of Wireless Sensor Network Middleware Based on Application Area*: Hyun-Jo Lee, **Rabindra Bista** and Jae-Woo Chang; *Electronic & Information Research Information Center (EIRIC)*, VOL 15 NO. 02 PP. 0245 ~ 0248 (2008. 11)
12. *A Survey on Middleware for Wireless Sensor Networks*: **Rabindra Bista**, Jae-Woo Chang, Choon-Bo Shim; *Database Research* Vol. 24, No. 2, August 2008: pp.43-74
13. *Spatio-temporal Similarity Measure Algorithm for Moving Objects on Spatial Networks*: Jae-Woo Chang, **Rabindra Bista**, Young-Chang Kim, Yong-Ki Kim; *LNCS* 4707 (3) 2007: 1165-1178
14. *Design of Spatial Similarity Measure for Moving Object Trajectories in Spatial Network*: **Rabindra Bista**, Jae-Woo Chang; *KIISE* Vol. 33 (2C) 2006.10, Seoul, South Korea, pp. 83-87

iv. [International Conferences](#)

1. *A New Fault Detection Approach in Wireless Sensor Networks*: **Rabindra Bista** and Madhusudhan Chaudhary; 14th International IEEE Conference on Software, Knowledge, Information Management and Applications (SKIMA 2022) 02-04 December 2022, CamTech University, Phnom Penh, Cambodia
2. *Spatiotemporal Gait Analysis for Cardio-Vascular Disease*: Subhadra Joshi, Santosh Khanal, and **Rabindra Bista**; 14th International IEEE Conference on Software, Knowledge, Information Management and Applications (SKIMA 2022) 02-04 December 2022, CamTech University, Phnom Penh, Cambodia
3. *Image-based Malware Classification using Deep Convolutional Neural Network and Transfer Learning*: Dipendra Pant and **Rabindra Bista**; AISS 2021: 2021 3rd International Conference on Advanced Information Science and System (AISS 2021) November 26-28, 2021, Sanya, China, ACM Digital Library
4. *Performance Analysis of New SCADA Interface Developed in C# Environment*: Sudip Phuyal, **Rabindra Bista**, Jan Izykowski and Diwakar Bista; 2020 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), Bhopal, India, February 22-23, 2020

5. An Energy-Efficient and Stable Routing Protocol for Mobile Ad hoc Networks: **Rabindra Bista** and Peshal Bhattarai; 2nd International Conference on Recent Innovations in Engineering and Technology (ICRIET-2020), Bhivarabai Sawant College of Engineering & Research in association with Savitribai Phule Pune University, Narhe, Pune, India, January 29-30, 2020, pp. 112-117
6. Internet of Things in Power Industry: Current Scenario of Nepal: Sudip Phuyal, Jan Izykowski, Diwakar Bista, and **Rabindra Bista**; International Symposium on Current Research in Hydropower Technologies (CRHT-IX), Kathmandu University, Dhulikhel, Nepal, April 09, 2019
7. A New Fault Detection Approach using K-Nearest Neighbor Algorithm in Wireless Sensor Networks: **Rabindra Bista** and Madhusudhan Chaudhary; 2018 International Symposium on Information Technology Convergence (ISITC 2018), Chonbuk National University, Jeonju, S. Korea, October 24-27, 2018 [**Best Paper Award**]
8. Analysis of Doctors' Behavior Using Medical Notes: **Rabindra Bista** and Awanish Ranjan; 2018 International Symposium on Information Technology Convergence (ISITC 2018), Chonbuk National University, Jeonju, S. Korea, October 24-27, 2018
9. A New Approach for Software Risk Estimation: **Rabindra Bista**, Sushama Karki, Deeyoranjan Dongol; 11th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2017), 6-8 December, 2017, Colombo, Sri Lanka
10. A Hybrid Approach to Java Virtual Machine Used in Wireless Sensor Networks: **Rabindra Bista** and Sapan Aryal; 11th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2017), 6-8 December, 2017, Colombo, Sri Lanka
11. A New Approach To Extract Meaningful Clinical Information From Medical Notes: **Rabindra Bista**, and Awanish Ranjan; 11th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2017), 6-8 December, 2017, Colombo, Sri Lanka
12. A New Energy Efficient Clustering Algorithm for Wireless Sensor Networks: **Rabindra Bista**, and Anmol Shakya; Third International Conference on Emerging Trends and Research In Engineering (ICETRE2016), 1-3 April, 2016, SND College of Engineering & Research Centre (SNDCOE&RC), Yeola, Nasik Dist., Maharashtra, India
13. A Survey on Java Virtual Machines used in Wireless Sensor Networks: **Rabindra Bista** and Sapan Aryal; 9th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2015), 15 - 17 December, 2015, Kathmandu, Nepal
14. Analytical Study of Aspect Oriented Programming in Java: **Rabindra Bista**, Loojah Bajracharya, Deeyoranjan Dongol, Purushottam Kharel and Santosh Khanal; 9th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2015), 15 - 17 December, 2015, Kathmandu, Nepal
15. Randomized Distance Based Clustering Algorithm for Energy Efficient Wireless Sensor Networks: **Rabindra Bista** and Anmol Shakya; The 9th International Conference on Advanced Computing and Communication Technologies (ICACCT15), 27-29 November, 2015 at Asia Pacific Institute of Information Technology (APIIT), Panipat, Haryana, India, Springer Publication
16. Comparing Different Data Models and Predicting Future Risk of a Patient Using Healthcare Data: Biswas Lohani, Santosh Khanal, and **Rabindra Bista**; eHealth Asia 2015 - ICT for Post 2015 Health Challenges, 13th and 14th October 2015 - Cinnamon Grand, Colombo, Sri Lanka
17. Unstructured to Structured Information Conversion for Extracting Meaningful Clinical Information From Medical Notes: Awanish Ranjan and **Rabindra Bista**; eHealth Asia 2015

- ICT for Post 2015 Health Challenges, 13th and 14th October 2015 - Cinnamon Grand, Colombo, Sri Lanka
18. Translating Unstructured Texts into Structured Data: A State of the Art; Awanish Ranjan and **Rabindra Bista**; The 11th International Conference "ASIAN Community Knowledge Networks for the Economy, Society, Culture, and Environmental Stability", 30 March – 3 April 2015, Kathmandu, Nepal
 19. Choosing an Appropriate Software Development Process Model: **Rabindra Bista**, Deeyoranjana Dongol, and Samyadeo Yadav; Second International Conference on Interdisciplinary Research in Engineering, Management, Pharmacy and Science (ICIREMPS 2K15), 19-22 February, 2015 at Sagar Society of Interdisciplinary Research & Technology (SSIRT), Bhopal, India
 20. A Model for Software Risk Management: **Rabindra Bista** and Deeyoranjana Dongol; The 8th IEEE International Conference on Advanced Computing and Communication Technologies (ICACCT14), 15 November, 2014 at Asia Pacific Institute of Information Technology (APIIT), Panipat, Haryana, India, IEEE Computer Society (Delhi Section, 2014)
 21. Preserving Privacy and Assuring Integrity in data aggregation for Wireless Sensor Networks: **Rabindra Bista**, Myoung-Seon Song, Jae-Woo Chang; IEEEENESEA2010, IEEE Computer Society (2010) [**Best Paper Award**]
 22. Integrity-Protecting Sensitive Data Aggregation for Wireless Sensor Networks: **Rabindra Bista**, Hee-Dae Kim and Jae-Woo Chang; EDB2010
 23. Scalability in Privacy-Preserving Data Aggregation for Wireless Sensor Networks: **Rabindra Bista**, Young-Sung Shin, Jae-Woo Chang; IEEEISPA2010, IEEE Computer Society (2010)
 24. Achieving Scalable Privacy Preserving Data Aggregation for Wireless Sensor Networks: **Rabindra Bista**, Hye-Kyeom Yoo, Jae-Woo Chang; IEEEICISS2010, IEEE Computer Society (2010)
 25. A New Sensitive Data Aggregation Scheme for Protecting Integrity in Wireless Sensor Networks: **Rabindra Bista**, Hye-Kyeom Yoo, Jae-Woo Chang; *IEEE ScalCom2010*, IEEE Computer Society (2010)
 26. A New Private Data Aggregation Scheme for Wireless Sensor Networks: **Rabindra Bista**, Hee-Dae Kim, Jae-Woo Chang; IEEEECIT2010, IEEE Computer Society (2010)
 27. A New Approach for Energy-Balanced Data Aggregation in Wireless Sensor Networks: **Rabindra Bista**, Yong-Ki Kim, Jae-Woo Chang; IEEEECIT (2) 2009: 9-15, IEEE Computer Society (2009)
 28. A New Energy-Balanced Data Aggregation Scheme in Wireless Sensor Networks: **Rabindra Bista**, Yong-Ki Kim, Young-Ho Choi, Jae-Woo Chang; IEEEECSE (2) 2009: 558-563, IEEE Computer Society (2009)
 29. A Designated Path Scheme for Energy-Efficient Data Aggregation in Wireless Sensor Networks: Yong-Ki Kim, **Rabindra Bista**, Jae-Woo Chang; IEEEISPA 2009: 408-415, IEEE Computer Society (2009)
 30. A New Approach to Secure Aggregation of Private Data in Wireless Sensor Networks: **Rabindra Bista**, Kyoung-Jin Jo, Jae-Woo Chang; IEEEEDASC 2009: 394-399, IEEE Computer Society (2009)
 31. A New Trajectory Search Algorithm Based on Spatio-temporal Similarity on Spatial Network: Jae-Woo Chang, **Rabindra Bista**, Ji Hee Kim, Young-Chang Kim; IEEEECIT 2007: 110-115, IEEE Computer Society (2007)
 32. Spatial Similarity of Moving Object trajectories Using Signature Files: **Rabindra Bista**, Jae-Woo Chang; EITC 2006; Jeonju, South Korea (December 8, 2006)

V. Conference/Workshop/Training Participation

1. *Health Informatics Initiatives of Kathmandu University: Digital Health Conference 2022*, Organized by BPKIHS, Dharan, 28-29 November 2022 Kathmandu, Nepal (Invited Speaker)
2. *Workshop to Develop the Propose of User manual/Management, SOP and Data Security/Sharing Policy*: Organized by Ministry of Health and WHO, 15-17 November 2022 Dhulikhel, Nepal
3. *AeHIN General Meeting and Conference 2022 “Accelerating Digital Health Towards Universal Health Coverage (UHC)”*: 10-12 October 2022, Ascott Makati, Philippines
4. *AeHIN FHIR (R4) Proficiency Training*, 5th – 7th August 2022
5. *Regional Conference on Strengthening Health Information System to Support Evidence-based Policy and Decision-making*, held virtually, July 6-8, 2021, Organized by WHO
6. *7th Asia eHealth Information Network (AeHIN) General Meeting*, 7, 14, 21, & 28 January 2021
7. *The Global Digital Health Forum*, 7-9 December 2020
8. *OpenMRS 2020 Virtual Implementer’s Conference*, 30 November - 4 December 2020
9. *The Future of Health* : 12 November 2020
10. *DHIS2 Academy: the Digital DHIS2 Annual Conference*, 21 - 25 September 2020
11. *AeHIN: openIMIS Online Training- Health Financing Module*, 22-25 September 2020
12. *Intelligent Health 2020*, September 9th–10th, 2020
13. *2nd International Conference on Recent Innovations in Engineering and Technology (ICRIET-2020)*, 29-30 January 2020, Bhivarabai Sawant College of Engineering & Research in association with Savitribai Phule Pune University, Narhe, Pune, India (**Keynote Speaker and Session Chair**)
14. *Scienta Simula Met: Effective Software Development and Management*, November 12, 2019, Kathmandu, Nepal
15. *International Youth Conference on Science, Technology, and Innovation” (IYCSTI)*, 21-23 October 2019 in Kathmandu, Nepal (**Invited Speaker**)
16. *An Information Meeting on Erasmus+ for Nepalese higher education institutions* - 26 September 2019, Kathmandu, Nepal
17. *ICM Training Week- ERASMUS+ Staff Mobility Programme at the University of Porto*, Portugal, July 22-26, 2019
18. *International Conference on Green Energy for Sustainable Development(ICGESD-19)*, 26-27 February 2019, Government Polytechnic, Nagpur, India (**Keynote Speaker and Session Chair**)
19. *International Conference on Recent Innovations in Engineering and Technology (ICRIET-19)*, 15-16 February 2019, Bhivarabai Sawant College of Engineering & Research in association with Savitribai Phule Pune University, Narhe, Pune, India (**Keynote Speaker and Session Chair**)
20. *23rd International Conference of International Academy of Physical Sciences (CONIAPS XXIII)*, November 16-18, 2018, Nepal Academy of Science and Technology (NAST), Kathmandu, Nepal (**Session Chair**)
21. *2018 International Symposium on Information Technology Convergence (ISITC 2018)*, October 24-27, 2018, Chonbuk National University, Jeonju, S. Korea (**Invited Speaker & Session Chair**)
22. *International Staff Week- A Workshop on Power of Social Media in Academic Branding: ERASMUS+ Mobility Programme at the Wroclaw University of Science and Technology*, Poland, May 18- 22, 2018

23. *International Conference on Communication, Computing, Storage & Energy (IC₃SE-18)*, 15-17 February 2018, Zeal College of Engineering & Research, Narhe, Pune, India (**Resource Person: Keynote Speaker & Session Chair**)
24. *A Symposium on Health Informatics in Nepal-Challenges and Opportunities*, Dhulikhel Hospital, Kathmandu University Hospital, Dhulikhel Nepal, January 05, 2018 (**Resource Person**)
25. *The 11th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2017)*, 6-8 December, 2017, Colombo, Sri Lanka (**Session Chair & Oral Presentation**)
26. *International Training Week: ERASMUS+ Mobility Programme at the Bialystok University of Technology*, Poland, May 15-19, 2017
27. *International Conference on Emerging Trends And Research in Engineering (ICETRE₂₀₁₇)*, 23-25 March 2017, Navsahyadri Group of Institutes, Faculty of Engineering, Naigaon, Pune, India (**Chief Guest**)
28. *Hackathon Competition for PAANI Project*, 02-07 January 2017, Mid-Western University, Surkhet, Nepal (**As an Expert**)
29. *Erasmus+ Regional Seminar for Asia*, 16-17 November 2016, Bangkok, Thailand
30. *Erasmus Mundus INTACT and LEADERS Selection Committees Meeting*, 12-13 April 2016, University of Limerick, Ireland
31. *Third International Conference on Emerging Trends and Research In Engineering (ICETRE₂₀₁₆)*, 1-3 April, 2016, SND College of Engineering & Research Centre (SNDCOE & RC), Yeola, Nasik, Maharashtra, India (**Keynote Speaker**)
32. *The 9th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2015)*, 15 - 17 December, 2015, Kathmandu, Nepal (**Session Chair**)
33. *DHIS₂ Academy Level 1*, 16-24 November, 2015 The International Center Goa (ICG), Dona Paula, Goa, India
34. *eHealth Asia 2015 - ICT for Post 2015 Health Challenges*, 13-14 October 2015 - Cinnamon Grand, Colombo, Sri Lanka (**Oral Presentation- two papers**)
35. *The Practical Way of Project Management*, September 23-30, 2015, Dhulikhel Nepal, organized by Nepal AOTS Alumni Society, JICA Nepal Office and SOE, KU
36. *The 11th International Conference on ASIAN Community Knowledge Networks for the Economy, Society, Culture, and Environmental Stability*, 30 March - 3 April 2015, Kathmandu, Nepal
37. *The Second International Conference on Interdisciplinary Research in Engineering, Management, Pharmacy and Science (ICIREMPS 2K15)*, 19-22 February, 2015 at Sagar Society of Interdisciplinary Research & Technology (SSIRT), Bhopal, India (**Oral Presentation**)
38. *The 8th IEEE International Conference on Advanced Computing and Communication Technologies (ICACCT₁₄)*, 15 November, 2014 at Asia Pacific Institute of Information Technology (APIIT), Panipat, Haryana, India (**Oral Presentation**)
39. *National e-Health Strategy Development: Consultative Meeting*, 28-29 August 2014, Kathmandu; Organized by Ministry of Health and Population, Government of Nepal (**Oral Presentation**)
40. *Second International Conference on Information Technology for Development (IT₄D)*, July 25-27, 2014, Kathmandu, Nepal
41. *National Workshop on the "Primer Series on ICTD for Youth": Project Management and ICTD*, Kathmandu University and UN-APCICT/ESCAP, July 7-8, 2014, Kathmandu Nepal
42. *Workshop on Outcomes-Based Pedagogical Process*, January 27-28, 2014, Kathmandu University, Nepal

43. *NORHED Kathmandu Workshop on Networked Masters and Professional Programmes in Health Information Management in South Asia*, February 14-16, 2013, Kathmandu University, Nepal
44. *NORHED Delhi Workshop on Networked Masters and Professional Programmes in Health Information Management in South Asia*, January 25-26, 2013, IIITD, Delhi (**Oral Presentation**)
45. *International Conference on Information Technology for Development (IT4D)*, July 27-29, 2012, Kathmandu, Nepal
46. *The 1st IEEE International Conference on Networked Embedded Systems for Enterprise Applications (NESEA 2010)*; November 25-26, 2010; Suzhou, China (**Oral Presentation**)
47. *The Second International Conference on Emerging Databases (EDB 2010)*; August 30-31, 2010; Jeju, South Korea (**Oral Presentation**)
48. *The 10th IEEE International Conference on Scalable Computing and Communications (ScalCom2010)*; 29 June - 01 July, 2010; Bradford, UK (**Oral Presentation**)
49. *The 7th IEEE International Conference on Embedded Software and Systems (ICESS2010)*; 29 June - 01 July, 2010; Bradford, UK (**Oral Presentation**)
50. *2009 Ninth IEEE International Conference on Computer and Information Technology (CIT09)*; October 11-14, 2009; Xiamen, China (**Oral Presentation**)
51. *International Conference on Electronics & Information Technology Convergence (EITC2006)*; December 8, 2006; Jeonju, South Korea (**Oral Presentation**)
52. *Korea Institute of Information Scientists and Engineers Conference (KIISE 2006)*; October, 2006; Seoul, South Korea (**Oral Presentation**)

VI. Editorial Board Member/International Advisory Board Member/Technical Programme Committee Member/Reviewer

1. KU-IRDP Project and KOICA Project- Nominated by the PI from JBNU, S. Korea- Reviewer
2. Grants- UKRI Engineering and Physical Sciences Research Council (EPSRC), Healthcare Technology Theme-Reviewer
3. Sensors Journal- Reviewer
4. The 13th edition of AVANCA | CINEMA, International Conference Cinema- Art, Technology, Communication, 27-31 July, 2022, Portugal.
5. International Journal of Power Electronics and Drive Systems (IJPEDS)
6. International Conference on Communication, Information, and Computing Technology (ICCICT-2021), Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology, Mumbai, June 25-27, 2021
7. International Conference Cinema – Art, Technology, Communication, AVANCA | CINEMA, July 2021, Avanca, Portugal
8. 2nd International Conference on Recent Innovations in Engineering and Technology "ICRIET-20", TSSM's Bhivarabai Sawant College of Engineering and Research, Narhe, Pune, India, 29-30 February 2020
9. International Conference Cinema – Art, Technology, Communication, AVANCA | CINEMA, July 2020, Avanca, Portugal
10. Handbook of Wireless Sensor Networks: Issues and Challenges in Current Scenario Springer Proceedings Book - AISC Series 2019
11. International Conference on Advances in Engineering, Technology and Contemporary Management Trends (ICAETCMT-19) 20th September, 2019 Kathamandu, Nepal

12. 13th International Conference on Software, Knowledge, Information Management and Applications (SKIMA 2019), Island of Ulkulhas, Maldives, 26 to 28 August 2019
13. 4th International Conference on Information, Communication And Computing Technology (ICICCT 2019), India International Centre, New Delhi, India, May 11, 2019
14. International Conference on Recent Innovations in Engineering and Technology-19, "ICRIET-19", TSSM's Bhivarabai Sawant College of Engineering and Research, Narhe, Pune, India, 15-16 February 2019
15. Editorial Board Member: Journal of Information Engineering and Applied Computing, Whioce Publishing Pvt. Ltd., Singapore
16. 5th International Conference on Recent Trends in Computing (ICRTC-18), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, Delhi, India, 27-28 December 2018
17. 12th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2018), 3-5 Dec 2018, Phnom Penh, Cambodia
18. 23rd International Conference of International Academy of Physical Sciences (CONIAPS XXIII), November 16-18, 2018, Kathmandu, Nepal
19. International Conference on Communication, Computing, Storage & Energy (IC₃SE-18), 15-17 February 2018, Zeal College of Engineering & Research, Narhe, Pune, India
20. 3rd International Conference on Information, Communication and Computing Technology (ICICCT-2018), May 12, 2018, New Delhi, India
21. 7th World Conference on Applied Science Engineering and Technology (WCASET - 18), Malaysia, 5th - 6th January 2018
22. 11th International Conference on Software, Knowledge, Information Management & Applications, 6 - 8 December, 2017, Colombo, Sri Lanka
23. The 4th Rajabhat University National and International Research and Academic Conference (RUNIRAC IV), Buriram Rajabhat University (BRU), Thailand, 1 -2 November 2016.
24. Nepal Journal of Science and Technology, since 2015
25. International Journal of Vehicle Information and Communication Systems (IJVICS), since 2015
26. Wireless Personal Communications, Springer, since 2015
27. The 9th IEEE International Conference on Advanced Computing and Communication Technologies (ICACCT 2015), India
28. The 2015 11th International Conference on Natural Computation (ICNC'15), China
29. The 2015 12th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD'15), China
30. The 8th IEEE International Conference on Advanced Computing and Communication Technologies (ICACCT 2014), India
31. Journal of Information Processing Systems, ISSN: 2092-805X(Online)), Korea Information Processing Society, since 2014
32. International Journal of Cluster Computing, Springer, since 2014
33. 13th International Conference of IFIP on Social Implication of Computers in Developing Countries, 2015, Sri Lanka
34. The 3rd IEEE International Conference on Networked Embedded Systems for Every Application (NESEA 2012), UK
35. International Journal of Distributed Sensor Networks, since 2011

VII. Teaching Career

1. Associate Professor, Dept. of Computer Science and Engineering, Kathmandu University since March 21, 2022 (Chaitra 07, 2078)

2. Assistant Professor, Dept. of Computer Science and Engineering, Kathmandu University since July 2012
3. Lecturer, Dept. of Computer Science and Engineering, Kathmandu University from September 2011 to June 2012
4. Teaching Assistant, Chonbuk National University, S. Korea, Spring Semester 2006
5. Full Time Teacher in Taudaha Rastriya M.V., Kathmandu Nepal, March 2000~April 2001

VIII. Taught Courses

1. EGPG 601: Project Management (2021)- ME III-Semester Guided Course
2. EGPG 601: Health Informatics (2020)- ME/MTech III-Semester Guided Course
3. COMP 486: Software Dependability (2020 onwards)- CS-VIII Semester
4. COM 469: Software Engineering (2018-2020)- BBIS-VIII Semester
5. COMP 479: Wireless Sensor Networks (2017-2019)- CE-VIII Semester
6. COMP 401: Software Engineering (2011 - 2021)- CE and CS-VII Semester and CM form 2021
7. COMP 504: Software Engineering (2011 - 2021)- ME and MTech-I Semester
8. COMP 505/ITPG 503: Computer Network and Architecture/Computer Networks (2012 - 2021)- ME and MTech-II Semester
9. COMP 505: Computer Network and Architecture (2017 - 2018)- PhD Guided Course
10. COMP 103: Structured Programming (2012 - 2015, 2017)- CS-I Semester
11. COMP 116: Object Oriented Programming (2012 - 2015 and 2017)- CS-II Semester
12. Science, C. Math, Health and Physical Education for Lower Secondary Level (2000-2001)

IX. Administrative Career

1. Subject Committee Chairman, Health Informatics Program, Dept. of Computer Science and Engineering, School of Engineering, Kathmandu University, May 12, 2022- May 11, 2025
2. Subject Committee Member, Dept. of Management Informatics, School of Management, Kathmandu University, October 2021- September 2024
3. Treasurer: Kathmandu University Professors' Association, 2020-2023
4. Academic and Research Coordinator (EU Funded Projects) Erasmus Mundus Mobility Programs (INTACT and LEADERS), Erasmus+ projects (MOBILE+, Merging Voice Consortium (MVC), and others such as KA 101, KA 103, and KA 107)
5. Officiating Head of Department, Dept. of Computer Science and Engineering, Kathmandu University April 28, 2015 - May 05, 2015
6. Subject Committee Member, Dept. of Computer and Electronics, Purbanchal University, Nepal, 2014-2016
7. Subject Committee Member, Dept. of Computer Science and Engineering, Kathmandu University, Nepal, 2014-2016
8. Undergraduate Program Coordinator, B. Sc. in Computer Science (CS), Dept. of Computer Science and Engineering, Kathmandu University from October 2011- July 2015
9. Research Secretariat/Research Degree (MS by Research and PhD Programs) Coordinator, School of Engineering, Kathmandu University, from September 2011 to February 2019

X. Association

1. Member: IEEE Computer Society
2. Member: IEEE
3. openMRS, 2020
4. Global Digital Health Network, 2020
5. National Innovation Indexing- NAST, Nepal, 2019

6. APUHC- Asia Pacific Ubiquitous Health Research Consortium, 2015
7. DHIS2 Academy, 2015
8. Health Informatics Society of Sri Lanka, 2015
9. Asia e-Health Information Network (AeHIN), 2015
10. National e-Health Strategy Development, Nepal, 2014

XI. Work Experience

1. *Project Coordinator*: Nepalese Education in E-health- Master (NEEM)- Proposal Number: 101083048, ERASMUS-LS, Jan 2023- Dec 2025 [Amount: € 800,000]
2. *Technical Lead*, openIMIS Regional Hub under the Asia eHealth Information Network, May 1, 2022 - June 30, 2022
3. *Program Specialist*, openIMIS Capacity-building in Nepal (KU) under the Asia eHealth Information Network, June 2021- April 2022
4. *Project Coordinator*: Hospital Patient Recommendation System in Real-Time - Global Challenges Research Fund (GCRF) with Kingston University, UK, 2020/2021 [Amount: £ 5020 GBP]
5. *Project Coordinator*: **UbiTheraPlay** (Phase III)- Global Challenges Research Fund (GCRF) with Kingston University, UK, 2020/2021 [Amount: £ 3521 (GBP)]
6. *Project Coordinator*: **GABLE+** (Phase II)- Global Challenges Research Fund (GCRF) with Kingston University, UK, 2019/2020 [Amount: £ 3600 (GBP)]
7. *Project Coordinator/PI*: ENGINNES EU funded ERASMUS+ Project- Development of Innovation Systems Linking Academic Education in Engineering and Informatics with Labour Market's Needs: 609543-EPP-1-2019-1-INEPPKA2-CBHE-JP [Amount: € 990,680]
8. *Project Coordinator*: **Erasmus+ International Credit Mobility (ICM) KA107 2020-2023** with University of Malaga, Spain [Scholarships: 6 Amount: € 22,260]
9. *Project Coordinator*: **Erasmus+ Key Action 1-** Higher Education Student and Staff Mobility 2019-2022 with University of Malaga, Spain [Scholarships: 14 Amount: € 62140]
10. *Project Coordinator*: **Erasmus+ Key Action 1-** Higher Education Student and Staff Mobility (2016-2021) with Bialystok University of Technology, Poland [Scholarships: 20 Amount: € 48400]
11. *Project Coordinator*: **Erasmus+ International Credit Mobility (ICM) KA107 2020-2023** with Wroclaw University of Science and Technology, Poland [Scholarships: 18 Amount: € 46160]
12. *Project Coordinator*: Erasmus+ + International Credit Mobility (ICM) KA107 2016-2021 **Merging Voices Consortium (MVC)** with 4 universities (U. Porto, UTAD, UNL, and UAlg) of Portugal [Scholarships: 26 Amount: € 80160]
13. *Project Coordinator*: **MOBILE+** Erasmus+ Project (MOBility for International Learning Experience) 2015-2017 with University of Porto, Portugal [Scholarships: 5 Amount: € 12860]
14. *Project Member (I-Phase) then Coordinator (II-Phase and III-Phase)*: **EM Leaders** with City London University (Coordinator) UK, with many other European Universities [Scholarships: 14 Amount: € 211500]
15. *Project Member(I-Phase) then Coordinator(II-Phase and III-Phase)*: **EM INTACT** with Frederick University (Coordinator), Cyprus, with many other European Universities [Scholarships: 13 Amount: € 143000]
16. *Coordinator*: 3-Day Workshop on Fundamental of Deep Learning- Funded by Erasmus+ KA 107 Project, Resource Person: Prof. Manuel Ujaldon, University of Malaga, Spain, November 15-17, 2021

17. *Coordinator: 3-Day Seminar on Social Network Analysis Using R Programming Language*-Funded by Erasmus+ KA 107 Project, Resource Person: Prof. Radoslaw Michalski, Wroclaw University of Science and Technology, Poland, June 26-28, 2019
18. *Coordinator: 1-Day Seminar on Audio-Visuals and Technologies*-Funded by MVC Erasmus+ Project, Resource Person: Prof. Antonio Valente, UTAD, Portugal, June 12, 2019
19. *Coordinator: 5-Day Seminar on Enhancing Human-Computer Interaction: The Collaboration-Accessibility Bridge*-Funded by MVC Erasmus+ Project, Resource Person: Prof. Hugo Alexandre Paredes Guedes da Silva, UTAD, Portugal, March 26-30, 2018
20. *Coordinator: 5-Day Workshop on Artificial Intelligence for Modeling, Control, and Fault Detection*-Funded by Erasmus+ KA 103 Project, Resource Person: Prof. Miroslaw Swiercz, Bialystok University of Science and Technology, Poland, November 06-10, 2017
21. *Coordinator: 5-Day Workshop on Wireless Sensor Networks*-Funded by Erasmus+ KA 107 Project, Resource Person: Prof. Jan Nekodem, Wroclaw University of Science and Technology, Poland, May 22-26, 2017
22. *Team Leader: Community Work*: On behalf of KU, donated 10 computers to Sindhuli Community Technical Institute (SCTI), Sindhulimadhi; Configuration and Installation of them; and Maintenance of the existing 10 computers of the lab at SCTI in order to enhance their computer lab in 2072/12/11 - 2072/12/12
23. *Coordinator: Telemedicine Video Consultation Training*, December 18-19, 2015, Kathmandu University, Dhulikhel, Nepal; South Asia Sub-regional Economic Cooperation- Information Highway (SASEC-IH) Project funded by the Asian Development Bank (ADB)
24. *Project Coordinator: Establishment of Research Management Cell (RMC) in School of Engineering*, Kathmandu University funded by Research Division University Grants Commission Sanothimi, Bhaktapur, Nepal, Jan-Feb 2013 - Feb 2014 [Amount: NRs. 10 Lakhs]
25. *Team Leader: Telemedicine Module NP 108 of SASEC RTN Project*, funded by ADB, March 2013 – January 2016 [Amount: NRs. 55 lakhs]
26. *Partner/Member: preparing proposal for NORHED Networked Masters and Professional Programme in Health Information Management in South Asia in 2013*
27. *Coordinator: NORHED Kathmandu 3-Day Workshop on Networked Masters and Professional Programme in Health Information Management in South Asia*, February 14-16, 2013 [Amount: NRs. 6 Lakh]
28. *Team Member: Development of Data Service Middleware Supporting Energy Efficient and Extensibility for Low-price Small-sized Sensor Devices Project*, CBNU, S. Korea
29. *Team Member: Development of Geographical Markup Language (GML) Document Storage/Indexing and Spatial Query Processing for Spatial Network Databases Project*, CBNU, S. Korea

XII. Thesis Supervision (MS by Research/ME/MTech) and Evaluation

1. An Evidence Based Software Risk Estimation Approach, Dipendra Panta 2021
2. Gait Analysis in Early Identification of Cardiovascular Disease, Sanjog Sigdel 2020
3. Prediction of Anemia Using Machine Learning Algorithm, Prakriti Dhakal 2020
4. Design and Implementation of Cost-Efficient SCADA System for Industrial Automation, Sudip Phuyal 2020 (MS by Research)
5. An Energy Efficient and Stable Routing Protocol for Mobile Ad-hoc Networks, Peshal Bhattarai 2019
6. Enhancing Lifetime of Wireless Sensor Network Using Clustering Approach- Ajay Thapa 2019
7. Spatiotemporal Gait Analysis for Cardiovascular Disease- Subhadra Joshi 2019

8. Improving Evaluation Measures Using Ensemble Technique in Diabetes Dataset- Binay Sharma, 2019
9. Analysis of Breast Cancer Classification Using Machine Learning- Deepak Ranabhatt 2019
10. Fault Detection using k-NN for Wireless Sensor Networks- Madhusudhan Chaudhary 2018
11. Model for Software Risk Management- Sushama Karki 2017
12. A Hybrid Approach to Java Virtual Machine used in Wireless Sensor Networks- Sapan Aryal 2017
13. Extracting Meaningful Information from Medical Notes- Awanish Ranjan 2017 (MS by Research)
14. Sentiment Analysis of Nepali Texts- Chandan Prasad Gupta 2016 (MS by Research)
15. A New Energy Efficient Clustering Algorithm for Wireless Sensor Networks- Anmol Shakya 2015
16. An Algorithmic Approach to Elliptic Curve Cryptography- Gunendra Bikram Bidari 2015
17. A Model for Software Risk Management- Deeyoranjana Dongol 2014
18. Fault Tolerance in Preserving Privacy and Assuring Integrity in Wireless Sensor Network- Shambhu Prasad Khanal 2014
19. Software Improvement via Software Process Model in Small and Medium Size Software Companies of Nepal- Samyadeo Yadav 2013
20. Ongoing: 2-PhD students and 2-Master's student
21. PhD Dissertation Evaluation Committee Member or Referee: 1 at KU and 1 at Anna University, India

XIII. Research Interest

1. Wireless Sensor Networks, Digital Health (e-Health, Health IT/Health Informatics/Telemedicine/AI in Healthcare), Software Engineering, and Cyber-security

XIV. Internationalization of Kathmandu University

1. **Coordinator:** Memorandum of Understanding (MoU)- between University of Malaga, Spain, and Kathmandu University, Nepal, 12 July, 2022 (Rector/Vice-Chancellor Level)
2. **Coordinator:** Memorandum of Understanding (MoU)- between Frederick University, Cyprus and Kathmandu University, 24 October 2021 (Rector/Vice-Chancellor Level)
3. **Contact Person:** *Cultural and Scientific Agreement*- between the University of Trás-os-Montes e Alto Douro (UTAD), Portugal and Kathmandu University (KU), Nepal, on September 2019 (Registrar/Vice-Rector Level)
4. **Coordinator:** *Cooperative Agreement*- between Bialystok University of Technology, Poland and Kathmandu University, Nepal, on 13th October 2017, at Kathmandu University, Nepal (Vice Chancellor/Rector Level)
5. **Coordinator:** *Memorandum of Agreement (MOA)*- between University of Porto, Portugal and Kathmandu University on 20th January, 2017 in Kathmandu, Nepal (Registrar/Vice-Rector Level)
6. **Coordinator:** *Memorandum of Understanding (MoU)*- between Health Informatics Society of Sri Lanka (HISSL) and School of Engineering, Kathmandu University on 14th October 2015 in Colombo, Sri Lanka (Dean/Director Level)
7. **Coordinator:** Hosting incoming faculties/staffs and students from European partner universities at KU and sending faculties/staffs and students from KU to European partner universities, about 100-mobility, through many Erasmus Mobility Projects like INTACT, LEADERS, MOBILE+, Merging Voices Consortium, Erasmus+ Key Action 1, Key Action 103, Key Action 107 and other HE Staff Mobility Programs

XV. Work Contribution to Kathmandu University

1. Member to upgrade KU website up to Contract Finalization 2018/2019
2. Volunteer Coordinator of Computer Science Program from late October 2011 to early January 2012
3. Volunteer Research Degree Coordinator in SOE for 7 years 6 months
4. Active participation for development and documentation of *IT Park Proposal*
5. Active participation for development and documentation of *CIKU Proposal*
6. *Contribution- Proposal to Pakistan Embassy* for constructing building of Dept. of Civil Engineering
7. Coordinator- *Scanning of Students' Record Files of KU* for more than one year
8. Coordinator- *Salary Information Software*
9. Coordinator- *Online Document Request Software for Examination Section*
10. Coordinator- *Students' Result Software for Examination Section*
11. Contribution- Recording Graduate Thesis of all departments, School of Engineering
12. Coordinator- Development and Documentation of *Proposal/Report for Reconstruction of CLL Lab* after devastating earthquake of April 25, 2015 to Simula Research Laboratory, Norway [Amount: NOK 186000 = NRs. 26,04000]
13. Coordination with Ministry of Education and Ministry of Finance for CIKU, KU Silver Jubilee, and ROD related to R&D KU and KOICA
14. Coordination with Ministry of Home and Office of Prime Minister related to Presence of KU in IT Park
15. Coordinator- *Designing Curriculum Catalog of School of Engineering, KU*

Referees

1. **Professor Jae-Woo Chang, PhD**
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