

# CURRICULUM VITAE

## PERSONAL DETAILS

Name **AYON KUMAR TARAFDAR** (Mr.)  
Present Residence Vijayawada – 520008, Andhra Pradesh, India.  
City of Permanent Residence Kolkata – 700002, West Bengal, India.  
E-mail address aktarafdar@yahoo.com | aktarafdar@gmail.com  
Year of Birth 1978  
Identification Mark Brown Mark on spine, Brown Mole on right wrist



## EDUCATIONAL QUALIFICATIONS

<u>Qualification</u>	<u>Name of Institute</u>	<u>Period of Study</u>	<u>Marks Obtained</u>
Ph.D. in Planning (with Norwegian Govt. Fellowship)	Norwegian University of Science and Technology, Trondheim, (NTNU) Norway	Aug 2006 – Sep 2010	PhD Approved & Completed
MSc in 'Urban Ecological Planning' (with Norwegian Govt. Scholarship)	Dept. of Urban Planning & Design, Faculty of Architecture, NTNU, Norway.	Aug 2000 - June 2002 (2 Year, 4 Sem Degree)	Overall Grade - A (Excellent)
Bachelor of Physical Planning	School of Planning and Architecture (SPA), Delhi	Aug 1996 - May 2000 (4 Year, 8 Sem Degree)	70.32 % (Batch/Univ Rank- 3)
Indian School Certificate (Year 12)	Calcutta Boys School, Kolkata.	July 1994 - April 1996	78.2 %
ICSE (Year 10)	Frank Anthony Public School, Kolkata.	March 1982 - April 1994	93 %

## PROFESSIONAL EXPERIENCE

*Has OVER 22 YEARS OF EXPERIENCE IN THE INDIAN PRIVATE INDUSTRY, RESEARCH and GOVERNMENT – (18+ years of experience excluding the period utilized for acquiring doctoral degree)*

### A) School of Planning and Architecture, Vijayawada SPAV (03.11.2009 till date)---

A premier autonomous CFTI Centrally Funded Technical Institute of National Importance under the Ministry of Education, Government of India (formerly Ministry of Human Resource Development) created by an Act of the Parliament of India --- Working as:

- Professor** at the **Department of Planning** (from 12 Jan 2024 onwards);
- Dean – Academics, SPA Vijayawada** (from 21 Nov 2022 onwards);
- Associate Professor** at the Dept of Planning (12Feb2014 to 11Jan2024) at Level 13A1 of VII th CPC Govt of India;
- Associate Professor** at the Department of Planning (03Nov 2009 to 11Feb2014) at 8000 AGP of VI th CPC Govt of India;
- Dean - Planning & Development, SPA Vijayawada** (from 01.02.2019 till 25.09.2020)
- Head, Department of Planning** (for 2 terms of durations: April 2011 – Aug 2013 and 05 May 2016 - 11 Sept 2017).

Presently working at Payscale of Level 14 of VII-th Central Pay Commission CPC of Government of India.

### - (Teaching and Administrative Experience)

Other than regular teaching assignments for B.Planning, M.Planning (Urban and Regional Planning), M.Planning (Environmental Planning and Management), M.Planning (Transportation and Infrastructure Planning) and M.Arch (Sustainable Architecture) and for PhD in Planning, undertook several key administrative roles in the School with respect to institution building and programme development, as follows –

### **Important Roles and Positions at SPAV**

- **Dean – Academics** – of SPA Vijayawada (entire University) from 21.11.2022 onwards.
- **Dean – Planning & Development** – of SPA Vijayawada (entire University) 01.02.2019 - 25.09.2020.
- **Controller of Examinations** – of SPA Vijayawada (entire University) 08.06.2022 - 29.11.2022.
- **Coordinator of PhD Programmes** of SPA Vijayawada (entire University) 30.08.2021-06.02.2023.
- **HoD – Department of Planning** (05 May 2016 – 11 Sept 2017 & 01 April 2011 - 05 Aug, 2013)
- **Chairman** – Central Library Advisory Committee (entire University) from Aug 2023 onwards and earlier between 14.11.2017-05.11.2019.
- **Chairman** – Institutional Purchase Committee (entire University) (from June 2010 to July 2011) & (March 04, 2016 to Feb 01, 2019)
- **Chairman** – Doctoral Research Committee – Planning, SPAV (01 Sept 2016 to 11 Sept 2017 & earlier 24 July, 2011 to 05 Aug 2013)
- **Chairman** – Campus Development Committee, SPAV (entire University) 16.12.2017 - 01.02.2019
- **Member** – Board of Governors, SPA Vijayawada (09 April, 2011 - Jan, 2013 and Dec 2016 till 11 Sept 2017)
- **Member** – Senate of SPA Vijayawada (Dec 2016 onwards till 11 Sept 2017, & from 01.02.2019 till 25.09.2020. Again, from 05.10.2020 till date)
- **Member** – Building Works Committee, SPAV (from 16.12.2017 till 25.09.2020) wherein assisted in developing of campus development budgets, long term planning of infrastructure and effectively obtained approvals.
- **Chairman** - Board of Studies, Planning, SPA Vijayawada (01 April 2011 - 05 Aug, 2013)
- **Member Secretary** - Academic Council, SPA Vijayawada (12 May, 2011 till Aug, 2013)
- **Member** - Board of Studies, Planning, SPA Vijayawada (05 Jan, 2014 onwards)
- **Member** – Committee to Monitor Swachh Bharat Mission in Campus since 16.01.2018 - 01.02.2019
- **Admissions in Charge** for SPAV (CCB) for academic years : 2010-11 and 2011-12 and 2012-13
- **Deputy Admissions in Charge** for SPAV (JoSAA) for academic years : 2016-17 & 2015-16
- **Chief Warden** of SPAV Boys and Girls Hostels - from Jan 2014 to July 2014
- **Placement Coordinator** – SPA Vijayawada - from Mar 2014 to Feb 2017.

### **Important Contributions at SPAV**

- **As Dean Academics**, has been instrumental in :
  - Conducting the integrated 7<sup>th</sup> and 6<sup>th</sup> Convocation (offline) in Jan 2023 and Jan 2024 respectively, with over 600 and 900 guests respectively, along with the Director and Registrar of the Institute;
  - Formulating and implementing the new Academic Regulations of UG, PG and PhD in 2023 in line with NEP objectives;
  - Initiating procedures to constitute and award SPAV Merit Scholarship for all top three merit holders on each programme;
  - Initiated procedures to start a new 2 years masters Design programme in the university from A.Y. 2024-25;
  - Initiated formulation of many committees and teams towards streamlining academic administration and bringing in innovation in pedagogy
- **As Dean- Planning and Development**, instrumental in :
  - Monitoring the works of CPWD and Consulting Architect towards completion of SPAV's permanent campus and its handing over and occupation in September 2018. Building was Inaugurated by Vice-President of India;
  - Was instrumental in developing several infrastructures of the campus: IT systems, Security Systems, Solar Panels; Rainwater Harvesting; AMCs for Campus Utilities, Landscaping, etc.
- **As Chairman Central Library Advisory Committee** - Instrumental in procurement of library books (over 2800 titles), journals and library furniture as Chairman of Library Advisory and Purchase Committee since Dec 2017 till Nov 2019 (05.11.19).
- **As HoD Planning** instrumental in :
  - Worked towards starting the "credit patterned academic regulations (CGPA)" in the Dept of Planning – made effective from 2011-12 Batch (first amongst all three SPAs in India).
  - Worked towards revising the B.Planning course structure and syllabus as per AICTE and ITPI standards - made effective from 2011-12.
  - Worked towards developing and getting the PG Programme of M.Planning (Environmental Planning & Management) approved for the Dept of Planning, SPAV. Programme, got initiated from 2013-14 A.Y.
  - Worked towards initiating the Doctoral Programme at Dept. of Planning, SPAV – Programme initiated in 2012-13 A.Y.

- Worked towards developing the Equivalence Course Structure as a bridge between old and new syllabus - implemented between 2011 and 2014. Developed the Environmental Monitoring Laboratory for the M.Planning (Environmental Planning and Management)
- Worked towards developing a detailed Academic Manual for Dept. of Planning, SPAV in 2017 for expanding outreach in public domain.

Assisted in several other portfolio/assignments related to Examinations, Proposal Development for Research Projects, Disciplinary Actions, Recruitment, Procurement, Development of Labs, etc.

**B) Norwegian University of Science and Technology, Norway --- Full Time Research Fellow (Sep 2006 till Dec 2009)**

**- (Research Experience)**

Employed from Sep 2006 till Dec 2009 at B) Norwegian University of Science and Technology, in the city of Trondheim, as full time research fellow with fellowship by the Norwegian Government. Worked on several funded research projects underway during the time in the Department of Planning and Urban Design with particular focus on environmental impact assessment of sub-city urban ecological transformations.

**C) GIS Development Pvt Ltd --- Team Leader, Research & Contents. (16 Aug 2003 till 15 Sept 2006)**

**- (Industrial, Research and Managerial Experience)**

Employed from 16 Aug 2003 till 15 Sept 2006 at National Capital Region of Delhi, India. GIS Development is presently named as Geospatial Media and Communications Pvt. Ltd. Responsibilities included heading operationally the entire research division for the company. This involves management of all research activities related to different development projects, budgeting, vision development, team building etc. Responsibilities also included overall content management of a GIS portal, managed by the company. Key projects:

- 'Incremental Regional Plan' for Almora District (India). Worked as Team Lead (Physical Planning) in this intensive field-oriented project. It involved making of integrated 'land use and development plan' for neighbourhoods, in a participatory approach using GPS and GIS and satellite imageries. 10 local high schools and their students were involved. Neighbourhood level plans were amalgamated to make a district level plan. 1.5 year project was sponsored by Department of Science and Technology, Govt of India, and served as pilot project for other federal states in India. Project mentioned and lauded by President of India in 2005.
- 'National Disaster Response Plan (NDRP)' document: Research & Development. Specific responsibility of development of a process-accountability-model for district-level preparedness for disasters. Project done for National Centre for Disaster Management, Ministry of Home Affairs, Govt of India supervised under the Prime Minister of India. Duration – 18 months.
- Nation Spatial Database Infrastructure (NSDI) research. Research Partner in the national Govt' project by Department of Science and Technology to develop an integrated NSDI that can serve across various fields of government's administration, planning and security needs. Role was to contribute on 'interoperability aspects of data' that will feed into the massive NSDI model from different sources. Personally, made series of presentations at government level. Project still underway with Government of India.

**D) Centre for Spatial Database Management and Solutions (CSDMS) --- As Senior Research Associate. (02 June 2002 to 14 August 2003)**

**- (Industrial & Research Experience)**

Employed from 02 June 2002 to 14 August 2003 months at Delhi, India. CSDMS is presently known as Centre for Science, Development and Media Studies. Responsibilities included conceptualization, analysis, and execution of developmental and social projects within the ambit of GIS, GPS and its application in urban planning, for national and international clients. Wrote detailed project proposals for funding. Represented in national and international occasions. Key research projects:

- Constituency Management System, Maharashtra: Project funded by the Government of Maharashtra, and Ministry of Information Technology, Govt of India, was done in collaboration with IIT Mumbai and IIT Delhi. Objective was to develop detailed socio-economic, infrastructure, and utilities "information system" for key constituencies in Maharashtra, India. The system was used to develop a "Constituency Management System (CMS)" aimed to aid the local elected representative in deciding upon the development projects to be undertaken.

- Health GIS for Revised National Tuberculosis Programme (RNTP), Orissa: A pilot project, funded by WHO and Orissa Government. Involved detailed mapping of the distribution of tuberculosis affected patients in Deogarh district and the location of 'DOTs'. Project involved development of a planning and management model for the monitoring of the disease and actions of DOTs.
- Community-based Water Resource Management Plan, Faridabad. Sponsored by Media Lab Asia, MIT, USA and Ministry of Information Technology, Govt of India, the project assessed water resource and management practices of 7 large villages (1 block) of Faridabad, India. Objective was to develop a plan for water management in the arid regions. 'GramChitra', a community based GIS model for water management was developed. Project successfully completed in 12 months.

**E) M/s Consulting Engineering Services (India) Ltd. --- As Project Trainee**  
- **(Industrial Experience)**

Was involved at Calcutta from 14/6/99 to 30/7/99 in the following projects:

- Detail Sector Design, Rajarhat New Township, Calcutta: Involved in the design of four physical sectors of the new township (Phase 1 & 2) and presentation in front of WB HIDCO, the development agency. Involved also in development of zonal level land-use guidelines.
- Land use Planning for Haldia Industrial Township: Was involved in making a 'Strategic Plan' aiming at improving accessibility of Haldia with the city of Calcutta. Work included regional demographic pattern studies and land suitability analysis.

**F) M/s India Property Research --- As Project Associate**  
- **(Industrial Experience)**

Was involved for six weeks from 16/9/99 to 30/10/99 at New Delhi in the final stages of the preparation of the book: *The Dynamics of Delhi Property Market, 1999*. The report received the prestigious award of the 'UK- Best Research Work on Property Markets' for the year 1999 by the PriceWaterHouse.

**G) M/s Jones Lang Lasalle --- As Project Trainee**  
- **(Industrial Experience)**

Was involved for eight weeks at New Delhi from 10/4/99 to 10/6/99 in the following projects:

- Proposals for Residential Development Options in Gurgaon for Larsen & Toubro. Preparation of 'Preliminary Report' involving analyzing existing residential developments in Gurgaon and conducting primary survey to capture market demand and preferences. Report included 'desired housing mix, sizes pricing and facilities' for a residential complex of 200 households.
- Development options along the MRTS Corridor (Phase I) New Delhi for Delhi Metro Rail Corporation: Was involved in the analysis and conduction of 'household and retail market surveys' and development of 'Detailed Land Use Proposals' along 3 station sites of Phase I, MRTS corridor, New Delhi. Land use analysis were aimed at strategizing commercial nodes around the stations.

**H) M/s Transport Planners Associates --- As Project Trainee**  
- **(Industrial Experience)**

Was involved for six weeks from 18/5/98 to 30/6/98 in the following projects:

- Feasibility study for Shahdra MRTS station, New Delhi
- Kamptee Kanhan Bypass Alignment on environmental parameters, Nagpur, India
- Design of intersection at Zanda Chowk, Silvassa, Dadar Nagar Haveli, Gujarat, India

## CAREER ACHIEVEMENTS

### As External Expert and Advisory Roles:

1. Has been a member of **Advisory Board** for **Department of Science and Technology** Govt of India for their project appraisals.
2. Has been a member of **Advisory Board** for **Ministry for Housing and Urban Affairs (MoHUA)** Govt of India for their project on 'City Beautification Contest'.
3. Is a **Technical Advisory Member** for **Vijayawada Municipal Corporation** for evaluation of development projects from Sept 2020 onwards till date.
4. Has been an **Advisory Panel Member** to **Union Public Service Commission (UPSC)**, Govt. of India, New Delhi, which assists in UPSC recruitments in 2015.

5. Has been an **Advisory Member** for **Haryana Public Service Commission (HPSC)** for assistance in recruitments in 2020.
6. Has been an **Evaluation Committee Member** for the National Level Competition on "Streets for People" an initiative of the Smart Cities Mission, **Ministry of Housing and Urban Affairs (MoHUA), Government of India**, in Jan 2021.
7. Served on **Selection and Interview Committee** for **Govt of Andhra Pradesh** for recruitment of posts of Planning at State Govt level (2017).
8. Served on **Selection and Interview Committee** for **SPA Vijayawada** for recruitment of posts of Assistant Professor and Asst. Librarian (2013 and 2019 respectively).
9. Has been an **Advisory Member** for **erstwhile VGTM-UDA** (Vijayawada Urban development Authority) on setting of benchmarks for the Regional Plan preparation of Vijayawada Region.
10. Has been an **Expert Member** for **Andhra Pradesh Capital Region Development Authority (AP-CRDA)** for Master Plan Preparation for CRDA region.
11. Invited and attended as Planning Expert Member in the Roundtable Discussion on Revisiting Planning Curriculum in India conducted by **National Institute of Urban Affairs (NIUA)**, Ministry of Urban Development, Government of India in May 2017 at Delhi.

### For Invited Lectures:

12. **Invited to Deliver Public Lecture** at **University of Gloucestershire UK** on Nov 15, 2022 on "Carrying Capacity Based Planning - Bringing Climate Consciousness into Forefront of Physical Planning" to students of University of Gloucestershire and students of Rotterdam University of Applied Sciences.
13. **Invited to Deliver Public Lecture** at the **UN Habitat Workshop Series** on 03.01.2023 together with UN-Habitat Data and Analytics Section Nairobi. Lecture titled "Restructuring Planning Process – Internalizing Inclusivity and Resilience in Planning in the context of Climate Concerns". Attended by about 90 participants in hybrid mode.
14. **Invited to Deliver Public Lecture** at **DTCP AP** organized **Seminar Climate and Disaster Risk** on Aug 12, 2023 at Vizag. Delivering speech on "Evidence Based Analytical Approach towards Climate and Disaster Risks in Planning" to about 70 senior Planning officials of the State of Andhra Pradesh.
15. **Invited to Deliver Public Lecture** at **WIPRO Foundation and CEPT Ahmedabad** organized **Brainstorming Session on Planning Education** on July 08, 2023 at Bangalore. Delivering speech on "Contemporary Planning Techniques for the Classroom – What Industry Wants" to about 40 senior Planning academicians and IT professionals from across India.
16. Delivered **Invited Opinion Talk** on "PMAY and Beyond - Convergence with Livelihood Program" to officials of **Ministry of Housing and Urban Affairs, Govt of India, Delhi**. Talk was titled as "Vulnerabilities, Informal Urban Housing and Livelihoods - How Linked are they?" and delivered on 07.03.222.
17. Delivered **Invited Public Lecture** at **NIAS at IISc Bangalore** in March 2022 on "Unravelling STIP for Climate resilient Urban Development" to Grade A Officers of Govt of India.
18. Delivered an **Invited Lecture** titled "Carrying Capacity as a tool for Sustainable Settlement Design: The 'Ecological Footprint' Approach" at **NIT Hamirpur** on 29.12.2021 as a part of the "National Seminar on Sustainable Practices in the Built Environment" funded by AICTE, MoE, Govt of India. Lecture attended by over 65 participants.
19. Invited and Chaired the Technical Session on "Climate Risk Management" in the International Conference 'Annual Research on Cities Summit' organised by **XIM Bhubaneswar** on 10.02.2022
20. Delivered an **Invited Lecture** titled "Planning Education: Reconciling The Pedagogical Approaches Across Global North and Global South" at **SPA Vijayawada** on 05.10.21 as a part of the "Faculty Development Program on "National Education Policy, Sustainable Change Management in Planning and Architecture" by SPA Vijayawada. Funded by AICTE, MoE, Govt of India. Lecture attended by over 80 participants.
21. Delivered **Invited Public Lecture** at **NIAS at IISc Bangalore** in July 2019 on "Computation in Planning" to Grade A Officers of Govt of India.
22. Delivered **Invited Public Lecture** at **AP Human Resource Development Institute (AP HRDI)** for training of GRADE A officers of AP-Public Service Commission, Govt of Andhra Pradesh, during June 2016 and March 2017.
23. Delivered **Invited Public Lecture** at **SPA Bhopal** during October 2015 for all PG batches in Urban, Regional and Environmental Planning.

### As Jury Member:

24. Was the **PhD External Examiner** for final thesis report of Mr. Pranav Gupta for the award of PhD degree at the Department of Architecture and Planning at **MANIT Bhopal (MP)**, an Institute of National Importance under MHRD, GoI, during Dec 2023.

25. Was the **PhD External Examiner** for final thesis report of Ms. Sutapa Joti for the award of PhD degree at the Department of Architecture and Planning at **IIEST, Shibpur (WB)**, an Institute of National Importance under MHRD, GoI, during Dec 2019.
26. Was the **PhD External Examiner** for Ms. N. R. Lambe for the award of PhD degree at the Department of Architecture and Planning at **V National Institute of Technology, Nagpur**, an Institute of National Importance under MHRD, GoI, during Sept 2017.
27. Is a **Member** of "Departmental Doctoral Research Progress Committee" for the Dept of Architecture and Planning at **NIT Trichy** since Aug 2018, for 5 PhD scholars.
28. Is a **Member** of "Departmental Doctoral Research Progress Committee" for the Dept of Physical Planning of **SPA Delhi** since May 2021 for 2 years.
29. Evaluated as **External Jury Member for M.CP Thesis** at **IIT Kharagpur** in 2013-14 for final assessment of M.Tech thesis of final year batch of Masters in City & Regional Planning.
30. Evaluated as **External Jury Member for M.Plan thesis** at **CEPT University, Ahmedabad** for 2019-20, and 2018-19 for assessment of thesis of final year batch of M.Planning (Infrastructure Planning).
31. Evaluated as **External Jury Member for M.Plan thesis** at **CEPT University, Ahmedabad** for 2019-20 and 2011-12 for assessment of thesis of two final year batches of M.Planning (Urban Planning Department and Environmental Planning).
32. Evaluated as **External Jury Member at SPA Delhi** in 2019-20 and 2018-19 for final assessment of Third Year Studio (Master Plan) and First Year B.Planning studio exercise (Physical Planning Department) respectively and in 2015-16 for Second Sem M.Planning (Environmental Planning) Studio Assessment.
33. Evaluated as **External Jury Member at SPA Delhi** for 2014-15 for final assessment of Third Year B.Planning Zonal Development Planning exercise (Physical Planning Department).
34. Evaluated as **External Jury Member at SPA Bhopal** in 2014-15 for final assessment of Masters in Environmental Planning II Sem Studio work.
35. Evaluated as **External Jury Member for B.Plan thesis** at **SPA Bhopal** in 2014-15 for final assessment of thesis of final year batch of B.Planning.

### **Prestigious Assignments - Coordination and Implementation:**

36. Has been the SPAV **Project Coordinator** of the **Erasmus+ NTNU-SPAV Global Mobility Project 2016-17**, which funded exchange of faculty and PhD students between NTNU Norway and SPA Vijayawada. Program led to exchange of faculty between SPAV and NTNU.
37. Has been the SPAV **Project Coordinator** of the **SAAR Project on Smart Cities**, which funded by MoHUA, Govt of India. Program led to post facto evaluation Smart City initiatives in Vizag.
38. Awarded full sponsorship from **Global Institutions Academic Network (GIAN)** programme, under **MHRD, Govt of India** and conducted 5-day National workshop together with Prof. Adam Sheppard from **University of West England, Bristol (UK)** and Mr. Prasanth Vardhan SPAV on theme of "Planning Implementation – Delivering with Awareness of Barriers" during *Oct 03-07, 2017* at SPA Vijayawada campus.
39. Has been a project team member in the **EU funded project "Building Inclusive Urban Communities"** which is a consortium project executed by Danube University Austria, ITC Netherlands, Lunds University Sweden, SPA Vijayawada, KRVIA Mumbai and CEPT Ahmedabad during 2016-2018.
40. Has been a project team member in the **GoAP funded project "Revision of AP Town and Country Planning Act"** (Ongoing 2019-20).
41. Has been a project team member in the **EU funded project "Building Resilient Urban Communities"** which is a consortium project executed by Danube University Austria, ITC Netherlands, SPA Vijayawada, KRVIA Mumbai, NIT Hamirpur and SPA Bhopal which is underway between 2019-2020.
42. Has been a project team member in the **MoPR, Govt of India** funded project **"Model Gram Panchayat Spatial Development Plan for Telaprolu and Paritala GPs, Andhra Pradesh"** (Project Completed in Dec, 2020).
43. Was **Team Member (Urban Planning Specialist)** in completed project titled "Re-delineation of VGTM-Urban Development Authority Area - 2010" for VGTM Urban Development Authority.

### **Nomination and Academic Supervision:**

44. Has been **Main Supervisor** of THREE completed PhDs in Dec 2020, Feb 2021 and May 2023. Has guided 19 B.Planning thesis and 40 M.Planning thesis between 2010-2023 (out of which 12 students secured Best Thesis Awards in thesis). Details in subsequent sections.
45. Nominated and attended training on **Government e-Market Place** conducted by National Institute of Financial Management, **Ministry of Finance, Govt of India** at Delhi on 20, Dec 2016.

## PROFICIENCY, FELLOWSHIPS AND AWARDS

1. Recipient of full sponsorship from **Global Institutions Academic Network (GIAN), Ministry of Human Resource Development (MHRD), Govt of India** to conduct a 5-day National workshop together with Prof. Adam Sheppard from **University of West England, Bristol** and Asst. Prof. Prasanth Vardhan on theme of "Planning Implementation – Delivering with Awareness of Barriers" during Oct 03-07, 2017 at SPA Vijayawada campus. Workshop conducted successfully.
2. Awarded acclaimed **Norwegian Government Research Fellowship** for full time doctoral research in 2006 for entire period of studies (2006-2009), leading to PhD degree
3. Awarded **Norwegian Government Scholarship for Masters Degree** studies for entire period 2000-2002 leading to MSc in UEP degree.
4. Won **NTNU Department of Planning's financial support** to attend one week Workshop in Oxford, February 2001 (see Conferences section).
5. Won **NTNU Department of Planning's financial support** to attend 3 day Seminar at Royal Danish Academy of Architecture and Planning, Copenhagen, May 2001 (see Conferences section).
6. Has been the SPAV **Project Coordinator** of the **Erasmus+ NTNU-SPAV Global Mobility Project 2016-17**. This project funded exchange of faculty and PhD students between NTNU Norway and SPA Vijayawada. Program led to exchange of faculty between SPAV and NTNU.
7. Qualified for **Graduate Aptitude Test in Engineering (GATE)** of India in 2000 with 91.8 percentile, which is a National level competitive exam conducted by MHRD, Govt. of India.
8. Received Overall Academic Proficiency Prizes – 'First' in SPA (Bachelors) for IInd and IIIrd Year.

## PAPERS AND PUBLICATIONS

**Citations:** Till March 2022, there have been 35 citations (in total) by other authors in their publications from amongst my publications.

### 2023

1. **BOOK** - Sai Sesidhar Vullapu, Jagrati Jain and Ayon Kumar Tarafdar (2023): "*Streamlining Freight Transport Through Planning Interventions in Vijayawada City*". Book Chapter in '**Urban Commons, Future Smart Cities and Sustainability**', pp 847-885. Springer Geography.  
**My Role:** Article is based on a Masters thesis, of which, the main supervisor is myself. Specific contribution is section 4 onwards till end.

### 2022

2. Tania Berger, Faiz Ahmed Chundeli, Rama Umesh Pandey, Minakshi Jain, Ayon Kumar Tarafdar, Adinarayanane Ramamurthy (2022): "*Low-income residents' strategies to cope with urban heat*". Published in '**Land Use Policy**', (Submitted Aug 2021, accepted and published in May, 2022) Vol 119 (2022), pp 1-10. Elsevier. Open Access Article 0264-8377/©

### 2021

3. Vardhan P., and Tarafdar A. K. (2021): "*Exploring Potential of Public Land Based Revenues to Finance City Infrastructure: An assessment using linear programming for Guntur Municipal Corporation*". Published in '**International Journal of Built Environment and Sustainability**', (Jan, 2021) Vol 08, Issue No. 1 2021, pp 1-13. Universiti Teknologi Malaysia, Malaysia. eISSN 2289-8948. ISSN: 1511-1369. DOI: <https://doi.org/10.11113/ijbes.v8.n1.559>. Open Access Article.  
**My Role:** Was the corresponding author for the article. Article is based on a PhD research, of which, the main supervisor is myself. Specific contribution is section 5 onwards till end.
4. **Editor, BOOK** – Tarafdar A K. et al (2021, Editors): *Conference Proceedings of International Conference on Resilient and Liveable City Planning 2020*. Organised by SPA Vijayawada on Feb 10-14, 2021, 492 pages. ISBN 978-93-90211-61-6. Feb, 2021, BSP Publishers, Hyderabad.
5. Roy R. and Tarafdar A. K. (2021): "*Planning in The Context of Urban Heat Vulnerability: A Case of North East District, Delhi*" in Edited Book – '**Conference Proceedings of International Conference on Resilient and Liveable City Planning 2020**'. Pages 234-240. ISBN 978-93-90211-61-6. BSP Publishers, Hyderabad.  
**My Role:** Was the corresponding author for the article. Article is based on a Master's research, of which, the sole supervisor is myself. Specific contribution is sections 2.2, 2.3 3 and 7.
6. Teja C. and Tarafdar A. K. (2021): "*A Planning Framework Towards Inclusive of Resilience and Liveability in Vijayawada, India*" in Edited Book – '**Conference Proceedings of International**

**Conference on Resilient and Liveable City Planning 2020.** Pages 234-240. ISBN 978-93-90211-61-6. BSP Publishers, Hyderabad.

**My Role:** Was the corresponding author for the article. Article is based on a Master's research, of which, the sole supervisor is myself.

7. Vasudevan K. R. and Tarafdar A. K. (2021): "*A Framework towards Child Friendly Inclusive Neighbourhood Planning in Chennai, India*" in Edited Book – '**Conference Proceedings of International Conference on Resilient and Liveable City Planning 2020.**' Pages 234-240. ISBN 978-93-90211-61-6. BSP Publishers, Hyderabad.  
**My Role:** Was the corresponding author for the article. Article is based on a Master's research, of which, the sole supervisor is myself. Specific contribution is section 4.1 onwards till end.
8. Vardhan P. and Tarafdar A. K. (2021): "*Potentials of Public Leasehold Systems for Urban Infrastructure Investments in Guntur Municipal Corporation*" in Edited Book – '**Conference Proceedings of International Conference on Resilient and Liveable City Planning 2020.**' Pages 234-240. ISBN 978-93-90211-61-6. BSP Publishers, Hyderabad.  
**My Role:** Was the corresponding author for the article. Article is based on a PhD research, of which, the sole supervisor is myself.

## **2020**

9. Tarafdar A. K., Jain M, Adinarayanane R, Vardhan P, Kumar A., Verma P. (2020): '*Gram Panchayat Spatial Development Plan 2041 for Paritala GP and Telaprolu GP, Krishna District*'. A report prepared for the Ministry of Panchayati Raj, Government of India by the School of Planning and Architecture Vijaawada.
10. Vardhan P. and Tarafdar A. K. (2020): "*Revenue Potential of Public Leasehold System for Urban Infrastructure: A Case of Guntur Municipal Corporation*". Published in '**Journal of Critical Reviews**', (Jun, 2020) Vol 07, Issue No. 12 2020, pp 476-486. Advanced Scientific Research, Malaysia. ISSN 2394-5125. DOI: <http://dx.doi.org/10.31838/jcr.07.12.85>. Open Access Article.  
**My Role:** Was the corresponding author for the article. Article is based on a PhD research, of which, the main supervisor is myself. Specific contribution is pg 476-479.
11. Vardhan P., and Tarafdar A. K. (2020): "*Land based Revenues and its Sufficiency for Infrastructure Investments in Small and Medium Towns of Andhra Pradesh, India*". Published in '**Journal of Advanced Research in Dynamical and Control Systems**' Volume 12(6), Year 2020, Pages 369-381. Kansas City, USA. DOI:10.5373/JARDCS/V12SP6/SP20201042. ISSN: 1943-023X. Open Access Article.  
**My Role:** Was the corresponding author for the article. Article is based on a PhD research, of which, the sole supervisor is myself. Specific contribution is concluding section.
12. Vardhan P., Razak A. and Tarafdar A. K. (2020): "*Public Land as a Resource to Finance Urban Infrastructure*". Published in '**International Journal of Advanced Science and Technology**', (Jun, 2020) Vol 29, Issue No. 06 - 2020, pp 6672-6686. SERSC, Sandy Bay Australia. ISSN: 2005-4238 (Print), 2207-6360 (Online). Open Access.  
**My Role:** Was the corresponding author for the article. Article is based on a PhD research, of which, the sole supervisor is myself.

## **2019 - 2016**

13. Tarafdar A. K., Jain M, Adinarayanane R, Faiz Ch. (2019): Urban Heat and Spatial Dynamics: Planning Towards Climate Resilience. A Case of Bangalore. Report prepared in the BReUCom (Building Resilient Urban Communities) project, funded by the Erasmus+ Program of the European Union.
14. Tarafdar A. K. (2018): "*Exploring Relations Between Vulnerability, Tenure And Physical Conditions In Slums Along Sewerage Channels Of Vijayawada City*" published as a report for the European Union project titled 'Building Inclusive Urban Communities (BInUCom)', funded by the Erasmus+ Programme of the European Union, Krems, Austria. Open Access. Published at - [https://mdl.donau-uni.ac.at/binucom/pluginfile.php/405/mod\\_page/content/38/SPAV\\_3.pdf](https://mdl.donau-uni.ac.at/binucom/pluginfile.php/405/mod_page/content/38/SPAV_3.pdf)
15. Tarafdar A K. (2016): "*Unraveling the Smart Conundrum*". Published in '**Journal of New Building Material & Construction World**'. Volume 22 (01). NBM Media P Ltd. New Delhi. ISSN: 0973-0591
16. **BOOK** - Tarafdar A K. (2016): "Systems Approach to Settlement Planning- Dealing with Uncertainties in Planning". A chapter published in the book titled - '**Manual of Urban Planning and Development**'. Published by Andhra Pradesh Human Resource Development Institute, Govt of Andhra Pradesh.



## 2012 - 2006

17. **BOOK** - Tarafdar A K. and Bjønness H. C. (2012): "*Sustainability in Practice*". (**Chapter 26 of Book**) in Fitzgerald J and Michael M. Jr. (Eds) **Cities and Sustainability**. Routledge. ISBN: 978-0-415-67099-9.
18. Tarafdar A.K. (2011): "*PRETAB Planning Model: Local Information Infrastructure (LII) as DSS for Local-level Urban Planning*". Published in "**Full Paper Proceedings – International Conference: Geospatial World Forum 2011: Dimensions and Directions of Geospatial Industry.**" Hyderabad, India. Jan 18-21, 2011. GIS Development Publications, Noida. Web Publication: <http://geospatialworldforum.org/2011/conference/CE.htm>
19. **BOOK PhD.** - Tarafdar A.K. (2010): "*Bridging the Dichotomy: Exploring Linkages between Urban Environmental Challenges and Local development Practices. Neighbourhoods of Kolkata, India*". Trondheim: **NTNU University Press**. ISBN: 978-82-471-2117-7.
20. Tarafdar A K. and Bjønness H. C. (2010): "*Environmental Premises in Planning for Sustainability at the Local Level in Large Southern Cities. Case Study: Calcutta, India - Suggesting the PRETAB Planning Process Model*". Published in '**International Journal of Sustainable Development & World Ecology**', (Feb 2010) Vol 17, No. 01, pp 24-38. **Taylor and Francis, New York & London**. (ISSN 1350-4509 print / ISSN 1745-2627 online. DOI: 10.1080/13504500903481581)
21. **BOOK** - Tarafdar A K., Kumar D., Mishra, S. and Sengupta, R. (2010): "*Portraying the status, potential and prospects of GIS industry*". (**Chapter 4 in Book**) in Joshi R G., and Seshagiri S. (Eds.) **Geographic Information System: Management and Technology Perspectives**. **Saujanya Books**, Mumbai and Delhi. ISBN-13 : 978-81-31411-93-3 / 9788131411933.
22. Tarafdar A K. (2009): "*Critical Reflections on the Relations between Sustainability, Urban Environmental Challenges, and Livelihood Issues at a Local Scale. Case Study: Fringe areas of Kolkata, India*". Published in "**Full Paper Proceedings - 11th International Conference on Humane Habitat (ICHH) 2009.**" **Mumbai, India**. Jan 29-31, 2009. Rizvi Publications, Mumbai (ISBN 87-217-0370-7).
23. Tarafdar A K. (2008): "*Unravelling the Plight of Local Urban Environment in Planning Practices Aimed at Sustainability in Large Southern Cities. Case Study: Kolkata, India*". Published in "**Proceedings of 2<sup>nd</sup> International Sustainability Conference 2008.**" University of Basel Press: Basel, Switzerland, Aug 21-22. (ISBN 978-3-906129-48-8).
24. Tarafdar A K. (2008): "*Changing urban environment in the context of multiple stakeholders and urban planning. Case Study: Calcutta, India*". Published in proceedings of '**The UK-Ireland Planning Research Conference 2008**', Mar 18-20, Queen's University Press, Belfast, Ireland. (ISBN 978-0-853899-25-9)
25. Tarafdar A K. (2007): "*Planning the Urban Environment in Developing Countries – A Dilemma between Theory and Practise. Case Study: Calcutta, India*". Published in '**Proceedings of 2nd International Congress on Environmental Planning and Management.**' Technical University of Berlin Press, Germany, Aug 2007. (ISBN 978-3-7983-2050-5)
26. **BOOK** - Tarafdar A K., SatyaPrakash, and Gupta R. (2006): '*GeoICT and Development - The Inverted Pyramid Syndrome*'. (**Chapter 12 in Book**) In Rana, Sanjay; Sharma, Jayant (Eds.) **Frontiers of Geographic Information Technology**. **Springer**: New York. (ISBN: 978-3-540-25685-4)
27. Tarafdar A K. (2006): "*Does Urban Planning Ensure a Better Local Environment?*". Published in international journal - '**GIS Development Asia Pacific**'. Vol 10 Issue 11 Nov: p34-38. (ISSN 0971-9377)

## 2005 – 2002

28. **BOOK** - Tarafdar A K. and Gupta R. (2005) '*Rethinking Community Geographic Information Systems*'. (**Chapter 5 in Book**) In book by Roy, P.S. (ed.) **Geoinformatics for Tropical Ecosystems**. **Vedam Books**: New Delhi. (ISBN 81-211-0370-3)
29. **BOOK** - Gupta R., Tarafdar A K., & Krishna B. (2005): '*GramChitra - Taking GIS to Grassroots*'. **Chapter 7 in Book** by Haqqani A B. (Ed.). *The role of information and communication technologies in global development : analyses and policy recommendations*. xvi, 383 pp. **United Nations ICT Task Force**: New York. (ISBN 9211045320)
30. Tarafdar A K. (2005): '*Map Policy of India: Policy for whom?*'. Published in the international journal '**Information for Development**', Vol 1 Issue 6, June 2005. <http://i4d.eletsonline.com/map-policy-of-india/> (ISSN 0972-804X)
31. Tarafdar A K. (2005): '*Cartography Takes A Leap Forward*'. Published in the international journal '**GIS Development India**', Vol 9 Issue 6, June 2005. (ISSN 0971-9377)

32. Tarafdar A K. (2005): *Realising the Critical Steps to Urban Renewal in India*. Published in Proceedings of '**NSDI – V. An International Workshop on Spatial Data Infrastructure for Bharat Nirman, Hyderabad, India (18th - 21th Dec)**'. Published by Government of India.
33. Tarafdar A K. (2003): '*Interoperability Issues of a NSDI*', published in the **Proceedings of International Workshop on National Spatial Data Infrastructure (NSDI) IV**, Lucknow, India. Published by Government of India. Feb, 2003.
34. Gupta R., Tarafdar A K., & Krishna B. (2002): 'GramChitra - Taking GIS to Grassroots', Published in the '**Proceedings of International Development by Design 2002 Conference**', Bangalore. Published By CBA Publications, MIT, USA. Online access - <http://cba.mit.edu/pubs/papers.html>
35. '*Revisiting Solid Waste Management Practices of Kolkata, India*' published in **Proceedings of the NORASIA II Conference** - "Conflicts and development in Asia" - at the Norwegian University of Science and Technology, Trondheim, Norway, August 29-31, 2002.
36. '*Community GIS vs 'GIS Community*', Published in the international journal '**GIS Development India**', Vol 6 Issue 9, Sept 2002. (ISSN 0971-9377)
37. '*In the Maze of Disaster Management*', Published in the international journal '**GIS Development India**', Vol 6 Issue 10, Oct 2002. (ISSN 0971-9377)

## SUPERVISION OF RESEARCH

**PhD:** Main Supervisor for completed PhD Thesis, as below:

1. **Completed PhD (Jan 2021):** Karteek Guturu (PhD Approved and Completed in Jan 2021) – "Floor Space Index and Liveability in Residential Neighbourhoods. Establishing Linkages for Retrofitting"
2. **Completed PhD (Dec 2020):** Prasanth Vardhan (PhD Approved and Completed in Dec 2020) – "Assessment of Land based Fiscal Tools to Municipal Services in Small and Medium Towns. Case of Guntur Municipal Corporation"
3. **Completed PhD (May 2023):** Valliappan AL. (PhD Approved and Completed in Dec 2020) – "Re-thinking Universal and Inclusive Access in Planned Public Spaces. The Case of Inter State Bus Terminals in Andhra Pradesh and Tamil Nadu"
4. **Ongoing PhD:** Shalini V. (PhD Expected to complete in 2025) – "Informality and Appropriation of Urban Public Spaces. A Framework towards Livelihood Security. Case of Hyderabad"
5. **Ongoing PhD:** (PhD Expected to complete in 2027) – "Equity and Access of Urban Greens and Blues"
6. **Ongoing PhD:** (PhD Expected to complete in 2027) – "Urban Carrying Capacity and Its Implications on Plan Making Process"

### Supervision of Master of Planning (PG Thesis):

Has been **Main Supervisor** of **40** M.Planning thesis and **19** B.Planning thesis between 2010-2023 (out of which **TWELVE** secured **Best Thesis Awards** in thesis in their respective batch), as detailed below:

#### **Master of Environmental Planning and Management**

1. **Adjudged as the Best Thesis of the Batch:** Karan K (2023) – "*Land Degradation. Desertification and Water Security. Integrated Approach toward Water Sensitive Land Development. The Case of Belgaum, Karnataka*".
2. Manogna M (2023): "Forest Risk Assessment. Towards Enhanced Forests Based Livelihoods. The Case of Forest Divisions in Madhya Pradesh".
3. Mayuri I (2023): "Urban Decentralised Water Management Strategy – A Circular Economy Approach for Warangal Municipal Corporation".
4. Manjusha Manchala (2022) – "An Integrated Ecosystem Approach towards Achieving Land Degradation Neutrality. Case - semi-arid regions of Anantapur District, Andhra Pradesh"
5. Deepa Mohanty (2022) – "Groundwater Capacity and Stress –Implications for Planning in Coastal Areas, A Case of Puri, Odisha"
6. Arunsharan (2022) – "A Framework for Coastal Biodiversity Corridor Planning - Applying a Cybernetic Approach. A case of Rameswaram, Tamil Nadu"
7. **Adjudged as the Best Thesis of the Batch:** Sabari P (2021) – "*Establishment of Spatial Linkages between Energy Consumption and Land Use Pattern at Sub-City Level. Chennai Municipal Corporation.*"
8. Vipul Jain (2021) – "A Planning Approach towards Regional Flood Risk Mitigation and Adaptive Capacity. Udupi District."

9. **Adjudged as the Best Thesis of the Batch:** Rahul Roy (2020) – "Urban Heat Vulnerability and Planning Implications – The Case of North East Delhi"
10. Bibhuprakash Saha (2020) – "Changing Aquatic Biodiversity and Livelihood. The Case of Chilika Lake, Odisha"
11. Dipika M (2019) – "Changing Capacities of Ecosystem Services of Urban Wetlands. The Case of Ennore Creek, Chennai"
12. Rajendra Prasad Naik (2019) – "Building Resilience of Agriculture Sector to Climate Change – A Case of Anantapur District".
13. **Adjudged as the Best Thesis of the Batch:** Ajay Kumar (2018) – "Understanding Relations between Backwardness and Ecosensitivity. Case of Pithoragarh District in Uttarakhand"
14. **Adjudged as the Best Thesis of the Batch:** Lokenath Saha (2018) – "Ecosystem Services Assessment of East Kolkata Wetlands"
15. **Adjudged as the Best Thesis of the Batch :** Tulika (2017) – "Water Footprint Assessment: A case of rural areas of Bhiwani District"
16. Bitumoni Chaudhuri (2017) – "Ecosystem Services of Bio-diversity Regions in Urban Context – Case Area of Yamuna Biodiversity Park and Northern Ridge, Delhi"
17. Akshaya S (2016) – "Implications of Socio-economic and Spatial Factors on Energy Consumption in Residential Layouts, Chennai"
18. Ganesh S (2016) – "Vulnerability Assessment of Coastal Settlement due to Sea Level Rise. Goa"
19. Amanpreet K (2016) – "Decarbonisation of Urban Transport. Amritsar"
20. **Adjudged as the Best Thesis of the Batch :** Babita Pilonia (2015) – "Urban Green As Carbon Sink For Industrial Emission"
21. Priya Johnson (2015) – "Changing Land Use and Its Impact on Ground Water. Guntur City"

#### **Master of Urban and Regional Planning**

22. Poorani Balaji (2023) – "Framework for Energy Efficient Land Use Planning at the Sub-City Level in Chennai"
23. Ankur Karmakar (2023) – "Circular Migration and its Implications of Changing Urban Forms, The Case of Kolkata"
24. **Adjudged as the Best Thesis of the Batch:** Heerendra (2022) – "Revisiting the Planning Approach towards Coastal Commons. Chennai City"
25. Arnavee Phukan (2022) – "Exploring Utility of Urban Green Spaces Integrator Network for Urban Heat Resilient Planning : Case of Guwahati, Assam"
26. Sneha (2021) – "Assessing Planning Implications of Vizhinjam International Sea Port at Thiruvanantham on Its Surroundings"
27. Chiranjeevi Teja (2020) – "Linkages between Resilience to Natural Disasters and Liveability. Case of Vijayawada"
28. Manoj V (2020) – "Land as a tool for enhancing Municipal Finance in Nandiyal Municipality"
29. **Adjudged as the Best Thesis of the Batch:** Pooja G Auropremi (2019) – "Planning and Management of Coastal Ecosystem Services of Puducherry Coastal Region".
30. Kastury Biswas (2019) – "Safety in Urban Public Spaces at the Neighbourhood Level. Kolkata"
31. Arpita Sahu (2019) – "Composite Vulnerability Assessment of Slums in Bhubaneswar, Odisha"
32. **Adjudged as the Best Thesis of the Batch :** Vasudevan (2018) – "Child Safety in Urban Planning. The Case of Chennai".
33. Sai Sahithi Ch (2017) – "Role of Urban Green Spaces in Residential Neighbourhoods. Vijayawada".
34. Anjana James (2016) – "Age Friendly Cities. Trivandrum"
35. Manisha K (2016) – "Implications of Water, Sanitation and Hygiene on Educational Performance. Greater Warangal Municipal Area"

#### **Master of Transport and Infrastructure Planning**

36. Nivedha N. (2023) – "Fuzzy Logic Based Choice Modelling for Last Mile Connectivity Enhancement of METS, Bangalore"
37. Prudhvi R. (2022) – "Pedestrian friendliness & walkability in the core city neighbourhood. A case of Kurnool city"
38. Soumik Acharya (2021) – "Intelligent Traffic Management System (ITMS) with priority for emergency vehicles. Kolkata".
39. V Sai Sesidhar (2021) – "Streamlining Freight Transport Through Planning Interventions in Vijayawada City"
40. Anirudh K. (2020) – "Planning for the Last Mile Connectivity for Improved Ridership in Public Transport Systems. Case Study Vijayawada"

#### **Supervision of Bachelor of Planning:** Main Supervisor for completed Thesis as below:

1. **Adjudged as the Best Thesis of the Batch:** Haripriya Kesavan (2023) – "An Ecosystem Service Based Approach to Coastal Eco sensitive Zones. The Case of Ennore Creek, Chennai"

2. Mayukh Biswas (2023) – "Crime Prediction and its Relation with Urban Built Form Planning, Kolkata City"
3. Mounika P (2022) – "Establishing Relations Between Flood Risk And Vulnerability Of Livelihoods - Towards An Urban Flood Resilient Planning Framework For Bengaluru City"
4. Ritvika Dara (2022) – "Livelihood and Vulnerability Assessment for Coastal Zone Management: A Case of Kakinada – Coringa Coast"
5. Anjana Kondapalli (2021) – "Planning for Community resilience towards Urban Flooding – Chennai Municipal Corporation."
6. Satvik kumar Sahu (2021) – "Preparedness for Watershed Development and Land Use Planning – Chapra District, Bihar"
7. Bijoya Ganguli (2020) – "Vulnerability of Rural Communities due to sea level rise in the Sundarban Mangrove Areas"
8. Prateeksha Sehgal (2018) – "Relations between Energy Consumption and Income Patterns of Female Headed Households. Case of Delhi"
9. Sandeep Kumar (2018) – "Integrated Urban Water Management. Applicability and Challenges in Jaipur City".
10. M Bala Eshwari (2017) – "Cultural Tourism Strategies and its Linkages to Predominant Art Forms, Krishna District, Andhra Pradesh"
11. Nishtha Saha (2017) – "Impact of Disaster on Local Economy: A Case Study of Siliguri, West Bengal"
12. Srilikitha K (2016) – "Community Based Eco-Tourism In Aruku Valley, Andhra Pradesh"
13. Ravalli Vadalli (2015) – "A Framework To Enhance The Functions Of Urban Wetlands. Case Area: Bellandur Wetland, Bengaluru, Karnataka"
14. Vikram Kumar (2013) – "Participatory Planning Process: A Critical Evaluation. Slum Upgrading in Muzaffarpur"
15. S. Lakshmi Priya Mukherjee (2013) – "Redensification of Housing Areas to contain Urban Sprawl. Greater Imphal"
16. **Adjudged as the Best Thesis of the Batch :** Rajeev Saxena (2013) – "Evolving Parameters for Development Control for Medium Towns. Lakhimpur, U.P"
17. Harshbir Kaur (2012) – "Environmental Issues in Transformation of Urban Fringe Areas. Ludhiana"
18. Ashish Mohan (2012) – "Risk Assessment of Flood Prone Areas. Darbhanga, Bihar"
19. Suraj Kumar (2012) – "Networking Informal Settlements. Identifying Indicators for Growth. Vijayawada"

## CONDUCT OF CONFERENCES AND TRAINING

Instrumental in the organization and conduct of following workshops/seminars/training programmes at SPA Vijayawada:

1. **2021:** Has been the **Secretary, Technical Committee** for the "**International Conference on Resilience and Liveable City Planning**" held during 10-13 Feb 2021 in which 96 full papers were published with ISBN publication and presented during the conference.
2. **2020:** Conducted 6 Day e-STTP on "**Urban Dynamics and Climate Resilience**" on 28Nov-03Dec, 2020 at SPA Vijayawada with speakers from SPA Vijayawada, Ministry of Environment and Forests (Govt of India), SPA Delhi, IIT Roorkee, IIPA Delhi, NIH Roorkee, NIT Calicut, NIT Bhopal, NIT Nagpur, GEC Karnataka, Indian Green Building Council (IGBC) Delhi and two planning consultancy firms from USA. In total, 67 participants registered and participated from various professional organisations representing four different countries including India.
3. **2020:** Conducted one day *National Seminar* on "**Planning and Preservation of Heritage Zones**" on 13 Jan, 2020 at SPA Vijayawada campus with speakers - Prof. Micheal Tomlan from Cornell University, USA Thomas Richmond from New York State Department of Conservation, Dr. P. Pavan K from University of Bangalore amongst others. 52 participants attended.
4. **2020:** Organised a one-day webinar on "**Rethinking Cities: Resilient and Liveable Futures**" on 27.05.2020 which was attended by 85 participants Online.
5. **2020:** Organised a one day seminar on "**Application of Geospatial Technology Towards Urban & Regional Planning**" on 09.03.2020. Lecture was delivered by Shri. P.L.N.Raju, Director Noreast Space Application Centre, Dept. of Space, Govt of India.
6. **2019:** Was part of the Organizing Team which conducted a **3 day National Conference on "Building Inclusive Communities"** attended by over 80 participants (including 12 international participants) in Feb 08-10, 2019.
7. **2017:** Conducted 5-day GIAN workshop together with Prof. Adam Sheppard from University of West England, Bristol and Mr. Prasanth Vardhan SPAV on theme of "**Planning Implementation – Delivering with Awareness of Barriers**" during Oct 03-07, 2017 at SPA Vijayawada campus.

Workshop attended by 22 participants from all over India. Workshop sponsored by **MHRD, Govt of India** under **Global Institutions Academic Network (GIAN)** programme.

8. **2015:** Conducted One day workshop on "Affordable Housing Practices" on World Habitat Day – 2015 – attended by about 60 participants
9. **2015:** Conducted Two-day National Seminar on Sustainable Water Resource Management – 2015 – attended by about 50 participants

## PROJECTS UNDERTAKEN

1. **"Rehabilitation Planning for Polavaram Irrigation Project"**. Has been a Core Team Member. The project funded by Government of India and requires SPAV to detail out the rehabilitation plan in terms of layouts and socio-economic development of the affected 15,000 families. The project started in 2023 and is underway.
2. **"Regional Development Plan for Tiruchirapalli District in Tamil Nadu"**. Has been a Core Team Member. The project funded by Government of Tamil Nadu and requires SPAV to prepare a detailed regional development plan for the district. The project started in 2023 and is underway.
3. **"SAAR- Smart Urban Infrastructure - Visakhapatnam"**. Has been a Project Coordinator. This is an ongoing project and is funded by MoHUA Govt of India funded Project titled. It started in Jan 2022 and aims at undertaking critical appraisal of smart city project components of Visakhapatnam.
4. **'Model Gram Panchayat Spatial Development Plan'** for villages in Andhra Pradesh **(Completed successfully in Dec 2020)**: Has been a Project Team Member (representing SPA Vijayawada) for the Government of India project (funded by Ministry of Panchayati Raj, Govt of India) for developing a model GP Spatial Development Plan covering 7 sectors of development and using satellite imageries and GPS data. Project successfully completed in Dec 2020.
5. **"Building Inclusive Urban Communities (BINUCOM)" - (Completed successfully in Dec 2018)**: Has been a Project Team Member (representing SPA Vijayawada) in the European Union (EU) funded project titled "Building Inclusive Urban Communities" which is a consortium project executed by Danube University Austria, ITC Netherlands, Lunds University Sweden, SPA Vijayawada, KRVIA Mumbai and CEPT Ahmedabad. Project duration was 2016-2018. Was responsible for research case study 03 under BINUCOM titled "Vulnerabilities of Slum Dwellers residing in Slums along Sewer Canals of Vijayawada" and was responsible for developing and conducting the OpenCourseWare (OCW) titled 'Vulnerabilities Studies in Slums' at PG level.
6. **"Re-delineation of VGTM-Urban Development Authority Area - 2010"**: Was Project Team Member (Urban Planning Specialist) (representing SPA Vijayawada) in project titled "Re-delineation of VGTM-Urban Development Authority Area - 2010" for VGTM Urban Development Authority executed by SPA Vijayawada for Govt of Andhra Pradesh. Project was completed in 2010. Govt of Andhra Pradesh extended the VGTM jurisdiction subsequent to this project.
7. **"Building Resilient Urban Communities" (Ongoing since 2019)**: Has been a Project Team Member (representing SPA Vijayawada) for the European Union (EU) funded project titled **"Building Resilient Urban Communities"** which is a consortium project executed by Danube University Austria, ITC Netherlands, SPA Vijayawada, KRVIA Mumbai, NIT Hamirpur and SPA Bhopal which is underway between 2019-2021.
8. **"Revision of AP Town and Country Planning Act" (Ongoing since June 2019)**: Has been a project team member (representing SPA Vijayawada) in the Govt of Andhra Pradesh funded project "Revision of AP Town and Country Planning Act". Project duration is 2019-2021.

*In addition, has been instrumental in preparation of several project proposals for funding for serving organisations, some of which are presently under execution and/or completed with different executive teams.*

## PRESENTATION IN CONFERENCES

### INTERNATIONAL

1. **Symposium on 'Resilient Cities', Krems & Vienna, Austria 2019** organised at and by Danube University, Krems on Oct 23-25, 2019. Invited and presented a paper on *'Urban Heat Stress and Its Implications of Land Use Planning'*.
2. **International Conference on Future of Cities 2019** by IIT Roorkee on Dec 10-12, 2019: Two full papers published in Conference Proceedings, titled as below -

- *"Conservation and Development of Ecologically Sensitive Regions, Case: Pithoragarh District, Uttarakhand, India"* where Mr. Ajay Kumar is Main Author and Ayon Kumar Tarafdar is co-author, and;
  - *"Composite Vulnerability Assessment of Slums of Bhubaneswar, Odisha"* where Ms. Arpita Sahu is Main Author and Ayon Kumar Tarafdar is co-author.
3. **International Conference of Planning Education 2014** by Institute of Town Planners, India, (ITPI) and Institute of Development Studies (IDS), Mysore: Made an invited presentation titled "Pedagogy of Planning Education in India".
  4. **Geospatial World 2011, Hyderabad** (Jan 19-21, 2011): Made an invited presentation titled "PRETAB Planning Model: Local Information Infrastructure (LII) as DSS for Local-level Urban Planning" at the Symposium of GIS and RS for Design and Engineering.
  5. **South East Asia Survey Congress (SEASC 2005), Brunei**, (Nov 21-25, 2005): Made a powerpoint presentation on 'Status of Surveying Industry in India: Challenges and Prospects'.
  6. **Map Asia 2005, Jakarta, Indonesia** (Sept 2005): Was a participant of the 3-day international conference on geospatial sciences. Participant and member of Technical Committee of conference.
  7. **Map Middle East 2003, Dubai, UAE** (April 2005): Was a participant of the 3 day international conference on spatial sciences. Made company presentation on 'GIS in Solid Waste Management'.
  8. **NASA Meet, Washington DC, USA** (May 2004): Made a concept presentation at NASA headquarters on invitation, on 'Use of space technology and GPS for rural development in Southern Countries'.
  9. **GeoSpatial World 2004 Conference, Miami, Florida, USA** (May 2004): Was a participant of the conference on GIS, GPS, digital photogrammetry and Remote Sensing. Made company presentation on 'Open GIS and GIS applications on Disaster Management'.
  10. **Bentley International User Conference, Orlando, Florida, USA** (May, 2004): Was a participant of the conference on GIS and related technologies. Responsible for conference technical reporting.
  11. **Map Asia 2004, Beijing, China** (August 2004): Was a participant of the 3-day international conference on geospatial sciences. Participant and member of Technical Committee of conference.
  12. **GeoSpatial World 2003 Conference, New Orleans, Louisiana, USA** (May 2003): Was a participant of the conference on GIS, GPS, digital photogrammetry and Remote Sensing. Was responsible for detailed analysis of certain technical sessions on behalf of the organizers.
  13. Presented a paper in **NOFUA Conference on 'Compact Cities' held in Copenhagen, Denmark** (May, 2001): 5 day international conference organized by the Royal School of Architecture and Planning, Copenhagen.
  14. Workshop on **'Sustainable Settlement Design' held in Oxford, UK** (February 2001): Was a participant in this one week international workshop organized by Oxford Brooks University, UK and Massachusetts Institute of Technology, USA.
  15. Presented a paper in **"The 11th International Conference on Humane Habitat (ICHH) 2009, Mumbai"** (Jan 29-31) organized by International Association for Humane Habitat (IAHH). *See Publication List.*
  16. Presented a paper in **"2nd International Sustainability Conference 2008, Basel, Switzerland"** (Aug 21 – 22, 2008) organised by University of Applied Sciences Northwestern Switzerland and the University of Basel. *See Publication List.*
  17. Paper published in **"The UK-Ireland Planning Research Conference 2008, Belfast, Ireland"** (Mar 18-20, 2008), organized by Queen's University, Ireland. *See Publication List.*
  18. Presented a paper in **"2nd International Congress on Environmental Planning and Management, Berlin, Germany"** (Aug, 2007) organized by Technical University of Berlin. *See Publication List.*
  19. Presented a paper in **NOFUA Conference on 'Compact Cities' held at KTH, Stockholm, Sweden** (Feb, 2007): Paper Title: *'Raising questions related to the linkages between development and urban environment. The case of Kolkata and its fringes'.*

### **NATIONAL (India)**

1. Invited and attended as Planning Expert in the Roundtable Discussion on Revisiting Planning Curriculum in India conducted by **National Institute of Urban Affairs (NIUA)**, Ministry of Urban Development, Government of India in May 2017 at Delhi.
2. International Workshop on **National Spatial Data Infrastructure (NSDI) IV, Lucknow** (Nov 2004): Presented a paper on *'Interoperability Issues of a NSDI: Issues and Prospects'* in the workshop organised by Department of Science and Technology, Government of India
3. Regional Conference on **State and District Level Disaster Management, Yashada, Pune** (August 2002): Participant of conference organized by National Centre for Disaster Management.
4. Workshop on **Technology Transfer and Capacity Building for Local level Planning, IIT Delhi** (September 2002): organized by the Department of Science and Technology, Govt of India and hosted by IIT Delhi, Department of Civil Engineering.

5. State Workshop on '**Bio-Medical Wastes Management**', **Calcutta** (August, 2001): Was a participant of the workshop organized by 'West Bengal Pollution Control Board' and 'Environment Department' (State Ministry of Environment).
6. Workshop on '**Disaster Management in India**', New Delhi (March, 2000): Was a participant in the workshop organized by School of Planning and Architecture (New Delhi), National Center for Disaster Management (NCDM) and Indian Institute of Public Administration (IIPA), Delhi.

## TEACHING EXPERIENCE – SUBJECTS TAUGHT

### **School of Planning and Architecture, New Delhi - Master of Planning (Environmental Planning)**

Was Visiting Faculty, from Aug 2005 to March 2006, for the course "Applications of GIS in Environmental Planning – Advanced Course" for final year Master of Planning (Environmental Planning) students at SPA, New Delhi. Was involved for one and half semester, ie., in this capacity. Work involved in conceptualizing study plans, giving weekly lectures (3 hours each week for 12 weeks), assignment, final evaluation.

### **NTNU --- For Undergrad' and Grad' Students**

Was course responsible for MSc and Bachelors level courses at the Faculty of Architecture and Planning, NTNU, Norway between 2006 and 2010.

- Approx 450 hours of teaching and supervision of MSc level students in NTNU, Norway
- Courses dealt: Planning Theory, Research Methods, Urban Ecological Planning - Process
- Primary Course Responsible for "Research Methods (Advanced Course for MS - AAR 5250)" and "Planning Theory and Process – FP 4350" in 2009 - 2010

### **School of Planning & Architecture, Vijayawada – For UG, PG and PhD levels**

As Associate Professor of Planning, taught following theory subjects -

#### **At UG Level –**

*Planning Theory, Geoinformatics in Planning, Techniques of Planning, Rural Resource Planning, Urban Management, Planning Information Systems, Planning for Informal Sector, Environmental Planning, Professional Practice, Planning Project I, Cities and Climate Change.*

#### **At Master of Environmental Planning level –**

*Theory of Environmental Planning & Design, Ecological Footprints Analysis, Environmental Impact Assessments, Geoinformatics in Planning, Advanced Research Methods, Planning Theory and Techniques*

#### **At Master of Urban and Regional Planning level –**

*Advanced Research Methods, Applications of Geoinformatics, Planning Theory and Techniques*

#### **At Master of Architecture (Sustainable Architecture) level –**

*Environmental Impact Assessments*

#### **At PhD level –**

*Research Methods for Doctoral Studies*

## PROFESSIONAL MEMBERSHIPS

- Institute of Town Planners, India (ITPI) - Associate Life Member (AITP 2007-166)
- International Association of Academicians and Researchers (INAAR) – Life Member (INAAR / 1041)

## OTHER RESEARCH EXPERIENCE (as student)

- **GIS Project for Xian Muslim District, China (2001):** Developing a detailed GIS database for NTNU's ongoing conservation project for the traditional and transforming Xian Muslim District.
- **Project Kathmandu 2000, Nepal:** Was involved in the project of 'Area Upgradation of Ward 19, Kathmandu' conducted by the Dept. of Town & Regional Planning, NTNU in collaboration with the Inst. of Engg., Kathmandu. The focus was on making of a 'strategic ward development plan' through participatory planning approach based on a detailed 2 month site visit.
- **Revisiting Solid Waste Management Practices of Calcutta:** Conducted a 1 year MSc level applied research at NTNU, Norway in conjugation with Calcutta Municipal Corporation (CMC). Work was adjudged best thesis – 2002 at NTNU.

## RELEVANT SUBJECTS STUDIED

### MSc/Doctoral level courses attended at NTNU, Norway

- Methods in Environmental Impact Assessments; Environment and Urban Planning- Theoretical Frameworks; Urban Ecological Planning; Environment, Development and Livelihoods; Landscape and Planning; Planning & Construction; Planning Theory.
- GIS in Urban Planning (Packages handled in GIS - Themaps, Idrisi, MapInfo, ArcGIS, ERDAS)
- Research Methods for Planners and Architects

### Undergraduate level courses attended at SPA, India

- Urban and Rural Planning, Architectural Design Basics, Environmental Sciences, Techniques in Land Use Planning, Planning theory
- Operation Research (Linear Programming Problems, Transshipment Problems, Transportation problems, PERT & CPM Networks, queuing models, replacement theory)
- Statistical Analysis (SPSS package), Welfare Economics, Traffic & Transportation Planning

## EXPERIENCE AS STUDENT OF SPA DELHI

- Developing 'Sector Planning Guidelines for the new township of Rajarhat next to Calcutta' collaborating with 'West Bengal Housing & Infrastructure Development Corporation' (Final thesis).
- **Block Development Plan (Sub-Regional Plan) Salcete Block, Goa, India** (population 3 lac): Policy guidelines framed for industrial sector preserving the rich eco-system of Goa. (IV Year)
- **Master Plan of Thodupuzha, Kerala, India** (population 45000): Involved in evolving a 'Comprehensive Transportation Plan' for the town as a part of the Master Plan document. (III Year)
- **Zonal Development Plan for Dwarka, Delhi, India**: Was specifically responsible for the *Detailed Land Use Plan* of the subcity and detailed *Sector Plans* of 3 sectors. (III Year)
- **Traffic Engineering and Transportation Planning**: Involved in studies, surveys, analysis and proposals of transport sector. Also undertook a **Site Planning Exercise** (area 10 Ha). (II Year)
- Delegate from SPA Delhi to the annual meet of 'National Organization of Students of Planning (NOSPLAN)' 1998 at CEPT, Ahmedabad.

## PERSONAL INTERESTS

- Swimming & Photography
- Instrumental Music
- Theatre
- Poetries
- Satyajit Ray and Film-making

## LANGUAGE SKILLS

	Speaking	Writing	Reading	
Bengali	Excellent	Excellent	Excellent	Mother Tongue
English	Excellent	Excellent	Excellent	TOEFL (292 / 300 CBT in 2001)
Hindi	Excellent	Excellent	Excellent	
Norwegian	Good	V.Good	V.Good	Passed Norwegian National Language Eligibility Test (Bergen Test equivalent)
Telegu	Satisfactory	Minimum	Minimum	

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