



S4DS - Pioneering Data Science Initiative

Society for Data Science (S4DS)

- ▶ **S4DS** is a non-profit professional association to create a collaborative platform for bringing together technical experts across Industry, Academia, Government Labs and Professional Bodies to promote Innovation around Data Science.
- ▶ Recognized as a “one of its kind” initiative rallying the technical community around an INDIA FIRST agenda.
- ▶ S4DS welcomes all who are interested in data science, data mining, statistical modeling, big data analytics, machine learning, deep learning, artificial intelligence and the art of data visualization to turn it into a valuable asset for your academic researches and data science careers.
- ▶ S4DS is committed to serve members, improving the data science profession, eliminating bias and enhancing diversity, and advancing ethical data science throughout the world.

Vision and Mission of S4DS

VISION: Empowering people in the field of Data Science through spread of knowledge and wisdom in an intelligent environment to improve life, business and government and prepare tomorrow’s data science researchers to address grand challenge problems

MISSION: Enriching the knowledge of students, researchers, companies, governments and sponsors to structure their career to the glorious future in the field of Data Science.

Creating a pool of distinguished experts to transform all fields, professions, and sectors through the application of data science

Enhancing the academic ability to solve complicated business and societal problems through the analysis of large data sets

Adopting the unique multidisciplinary approach where domain specific knowledge is used to truly understand the power and limitations of data.

Ensuring the responsible use of data for the benefit of the society.

Objectives of S4DS

The prime objective of the Society for Data Science would be-

Provide a **forum for interchange** of ideas on Data Science among students, researchers, companies, governments along with other relevant stake holders.

Promote and create awareness about the Data Science in the rapidly-changing world, as an area where there is lots of opportunities for placement and research, in India and worldwide by connecting individuals, corporations and data scientists.

Gather data science enthusiasts and **empower** them to be ready for data science careers through hands-on practical workshops, trainings, public events, and distinguished guest lectures, to assure base-level data scientist competency.

Provide an enjoyable and interactive platform for **real-life applications** of data analysis.

Advocate adoption of **Data Science solutions** for all most all the domains, with a special focus on social problems.

Develop and deliver **educational initiatives** in the domain of data analytics and data sciences to support the next generation of data scientists.

Develop government and industry **partnerships** for research, education, and training.

Build **alliances** with industry partners to promote beneficial relationships in tackling practical problems related to data science.

Seek to **commercialize** its technology, methods, and patents related to data science to deliver solutions that will benefit industry and society at large.

Develop **outreach programs** to the community by creating new opportunities from data science.

Support a small numbers of new "**Centers of Excellence**" in the domain of data science.

Develop a **Think Tank** to advise and assist Government of India / state Governments and other such agencies for all data intensive projects with possible Data Science Solutions.

Provide an avenue for Data Science **Certification**.

Publish a Newsletter / Magazine/ Journal.

Organize **Seminars and conferences** regularly at different locations in the country as well as abroad.

Recognize the exemplary work done in the field of Data Science, Innovation and Start-ups

Setting **standards** for the ethical professional practice of data science.

Helping to **shape** a better future - not just for the powerful, but for the majority of people.

Membership of S4DS

Membership is open to data scientists, scientists, students, academicians, and others interested in science and the data science profession. Membership is available under three categories namely Academic Professional and Corporate Professional and Student.

Membership Benefits

- Free access to quarterly newsletter containing cutting edge updates in this domain
- Discounted rate on workshops and Certification programmes on disruptive technologies, conducted by experts
- Discounted registration fee to the flagship International Conference on Data Management, Analytics and Innovation (ICDMAI).
- Access to global list of mentors, especially for students to jointly undertake writing of papers, developing projects and open source packages
- Funding for quality student member's innovative ideas
- Opportunity to deliver workshop/training in collaboration with Society for Data Science (S4DS)
- Opportunity for networking with the S4DS members

Establish a Student Chapter

Student Chapter can be established at any institution with 12 Student members and 03 Professional members.

Benefits of Students Chapter

- Organizing events at S4DS Student Chapter shall help members develop administrative, technical, managerial and humanitarian skills.
- Establish center of excellence on many disruptive technologies.
- Conduct Certification Programmes on disruptive technologies.
- Resource and promotional support for Workshop, Lectures, Seminars, Conferences etc.

- Organize Faculty Development Programmes and Technical Training Programmes.
- Opportunity to organize activities to develop entrepreneurial skills, leadership skills, soft skills and other skill development activities.
- Opportunity to host or become partner in organizing the International Conference on Data Management, Analytics and Innovation (ICDMAI), a flagship conference of S4DS
- Networking with S4DS team and other Student Chapters, may help in projects and placements.
- Association with Technical Professional Body shall help in receiving recognition by Accreditation bodies.

Annual Membership Fee (Slide Number 23)

Sr. No.	Membership Category	Membership Fee	
		Indian	Others
1	Academic Professional member	3600 Rs	100 USD
2	Corporate Professional Member	4200 Rs	120 USD
3	Students	500 Rs	15 USD



Prof. Amol C. Goje is a President of Society of Data Science and has served as a Director, Vidya Pratishthan's Institute of Information Technology (VIIT), Baramati, Pune for last 19 Years. He has a total of over Twenty Five years of experience in the field of Information and Computer Technology (ICT). Dr. Amol's main area of interest is to work for under privileged people in the rural part of India and his note worthy innovation is Computer Mobile Van, which are economically sustainable to the rural schools and colleges. He has done lot of research work in Information Technology and its application for rural community. In appreciation to his exemplary work, Dr. Amol has received the Ashoka Fellow award in the year 2002. He is engaged as a Technical advisor on many government and non-government organizations. He was also a member of the Planning Commission, Government of India in Information Technology division. Dr. Goje has received the Marathwada Bhushan Award for spreading the IT education to the masses. He is the member of the Working group on Agricultural Extension Constituted by Planning Commission government of India. He is key player in setting up the Community Training and Learning Centers (CTLC) in Maharashtra, to provide Computer Training to the women from the Self Help groups (SHG). Dr. Goje has received the Manthan (AIF) award successively for two years in Year 2005 and 2006. Government of Maharashtra "Maharashtra IT award (IT HRD) in 2008. He is also the President of Community Radio Association (CRA) of India. Recently he has been bestowed with the honor of '**Best Director**' of Pune University -2016-17



Prof Amlan Chakrabarti is presently the Dean Faculty of Engineering and Technology and Director of the A.K.Choudhury School of Information Technology, University of Calcutta. He is an M.Tech. from University of Calcutta and did his Doctoral research at the Indian Statistical Institute, Kolkata. He was a Post-Doctoral fellow at the School of Engineering, Princeton University, USA during 2011-2012. He is the recipient of DST BOYSCAST fellowship award in the area of Engineering Science in 2011, Indian National Science Academy Visiting Scientist Fellowship in 2014, JSPS Invitation Research Award from Japan in 2016, Erasmus Mundus Leaders Award from European Union in 2017. He is the Team Leader of European Center for

Research in Nuclear Science (CERN, Geneva) ALICE-India project for University of Calcutta and also a key member of the CBM-FAIR project at Darmstadt Germany. He is also the Principal Investigator of the Center of Excellence in Systems Biology and Biomedical Engineering, University of Calcutta funded by MHRD (TEQIP-II).

He has published around 100 research papers in referred journals and conferences. He has been involved in research projects funded by DRDO, DST, DAE, DeITy, UGC, Ministry of Social Empowerment, TCS and TEQIP-II and has mobilized funding of around 8 crore INR. He is a Sr. Member of IEEE, Secretary of IEEE CEDA India Chapter and Member of ACM. His research interests are: Quantum Computing, VLSI design, Embedded System Design, Computer Vision and Analytics.



Dr. Neha Sharma is a Founder Secretary of Society for Data Science, India. Prior to this she has worked as Director, Zeal Institute of Business Administration, Computer Application & Research, Pune, Maharashtra, India and as Dy. Director, Padmashree Dr. D.Y. Patil Institute of Master of Computer Applications, Akurdi, Pune. She is an alumnus of a premier College of Engineering affiliated to Orissa University of Agriculture and Technology, Bhubaneshwar. Neha Sharma has completed her PhD from prestigious Indian Institute of Technology (ISM), Dhanbad. She is a Senior IEEE member, Website and Newsletter Chair of IEEE Pune Section and served as Student Activity Committee Chair for IEEE Pune Section as well. She is an astute academician and has organized several national and international conferences and seminars.

She has published several papers in reputed indexed journals, both national as well as international. She is a well known figure among the IT circle of Pune, and well sought over for her sound knowledge and professional skills. Neha Sharma has been instrumental in integrating teaching with the current needs of the Industry and steering the college to the present stature. Not only loved by her students, who currently are employed in reputed firms; for her passion to mingle freely with every one, Neha Sharma enjoys the support of her colleagues as well. She is the recipient of **“Best PhD Thesis Award”** and **“Best Paper Presenter at International Conference Award”** at National Level by Computer Society of India. Her area of interest includes Data Mining, Database Design, Analysis and Design, Artificial intelligence, Big data, Cloud Computing, Blockchain and Data Science.



Col Inderjit Singh Barara is a well-known personality in technical world especially in the world of Information System. An experienced Information Systems Professional with experience of more than 25 year across a wide spectrum of areas spanning solution architecture, program/ project management Telecom, IT Infrastructure Management, Info Security Advisory and Architecture, Cyber Security and Cyber Forensics, Data Centers Design and Operations, Cloud Computing and E-Commerce. He has consistently delivered mission-critical results and seamlessly managed diverse functions related to Project Management, Service Delivery and Key Account Management. He exhibits and models, influential leadership skills through efficient management of large and dispersed teams while promoting a cooperative working atmosphere. He delegates assignments according to skills and expects implementation of quality strategies. He demonstrates a strong work ethic and encourages teamwork, while clearly defining standards and expectations. He has a strong visioning and strategic thinking ability. He envisions opportunities and converts successfully into business through swift and analytical decision making. Keen eye for innovations in Technology. His Core Competencies are Creating business value supported by technology, Aligning IT with business, thought leadership, IT Transformation, turn around IT organization and improve effectiveness, Managing teams with focus on outcomes, Strategic Outsourcing and cost management, Business Process Improvement & Organizational Efficiency and Effectiveness, leading to applied cross-industry learning towards problem solving, thought leadership for E-Commerce start up.

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Saptarsi Goswami is currently working in A.K. Choudhury School of IT, University of Calcutta. He has 16+ years of professional experience, out of which he has spent 10 + years in IT Services Industry in companies like Cognizant, PwC and Tata Infotech. He has managed large data warehousing programs, as well as took active role in solutioning and designing. He has done his B.Tech from NIT, Jaipur and his M.Tech from University of Calcutta. He has completed his Ph.D in the area of feature selection in the year 2018 from University of Calcutta. He has authored 40 + Journal, conference articles and book chapters with 150 + citations. He has delivered tutorials in different conferences like ICDMAI, MAMI etc. and acted as reviewer to some of the conferences like IEMCON2015, IEMCON2016, IEMCON2017, ICISIM2017, ICCAIAIT2018. He is also working as the Tutorial chair for ICDMAI2019.

His area of interest is feature selection, outlier detection etc.

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