

Curriculum Vitae

Name: Dr. Yash Paul Singh
Date of Birth: 09.09.1969.
Address: Dr. Yash Paul Singh, Additional Director (Engg.), Technical Education Department Haryana, Bays No.7-12, Sector-4, Panchkula, Mobile: 9416490800
Correspondence Address: H. No. 875, Amrawati Enclave, Pinjore Road, Panchkula – 134105.

Academic Qualification

Sr. No.	Qualification	University/ Board	Passing Year	%age
1.	Ph.D. Area of specialization:- Analysis and Development of Adaptive Routing Algorithms in Computer Networks	N.I.T. Kurukshetra	2010	Awarded
2.	M.E. Computer Technology & Appls.	Delhi University (DCE)	2000	69
3.	B.E. Computer Engg.	Amravati University	1990	77 First Class with Distinction

Members of Professional Bodies:

- Indian Society for Technical Education (ISTE)
- Institution of Engineers (India) (IE(I))
- International Association of Engineers. (IAENG)

Employment Details

Sr. No.	Designation	Department	Period
1.	Additional Director (Engg.)	Technical Education Department Haryana Panchkula	27.11.2019 to till date
	Director Principal (Addl Charge)	Ch. Devi Lal Memorial Govt. Engg. College, Panniwala Mota (Sirsa)(SIET)	15.11.2021 to till date
2.	Additional Secretary	Haryana State Board of Tech.Edu.(HSBTE),PKL	01.06.2016 to 26.11.2019
3.	Additional Director (Engg.)	Technical Education Department Haryana Panchkula	28.12.12 to 31.05.2016
4.	Director-Principal (Additional Charge)	Govt. Engineering College, Nilokheri	11.1.2016 to 08.06.2018
5.	Director-Principal	Ch. Devi Lal Memorial Govt. Engg. College, Panniwala Mota (Sirsa)	13.8.2013 to 27.12.2013

6.	Director	All India Council For Technical Education, New Delhi	25.5.2010 to 3.12.2012
7.	Principal (Engg.)	Technical Education Department, Haryana	29.8.2003 to 24.5.2010 4.12.2012 to 27.12.2012
8.	Sr. Lecturer (Computer Engg.)	Technical Education Dept., Haryana	6.10.2000 to 28.8.2003 June 2001 to May 2003 worked as Off. HOD/ Principal
9.	Lecturer/Programmer	Technical Education Dept., Haryana	12.12.90 to 5.10.2000

Experience

- Working as Director Principal, CDL State Institute of Engineering & Technology, Panniwala Mota Sirsa w.e.f. 15.11.2021 as well as Additional Director(Engg.) in Technical Education Department, Haryana and worked as Additional Secretary, Haryana State Board of Technical Education(HSBTE) cum Additional Director w.e.f. 1.6.2016 to 26.11.2019 in addition to it also worked as Director Principal, Govt. Engineering College, Nilokheri from 11.1.2016 to 8.6.2018 as a dual charge and earlier looked after the duties of all branches of the Directorate of Technical Education, Haryana, Panchkula like Administration, Technical Universities, Engineering Colleges, Polytechnics, Development, Policy Planning & Coordination, TEQIP, World Bank Projects, Post Matric scholarship Schemes etc. at the state level.
- Worked as Additional Director (Engg.), Technical Education Dept., Haryana w.e.f. 28.12.2012 to 31.05.2016.
- Worked as Director-Principal at CDLM Govt. Engg. College Panniwala Mota, Sirsa w.e.f. 13.8.2013 to 27.12.2013.
- Worked as Director in AICTE New Delhi w.e.f. 25.05.2010 to 3.12.2012. Looked after the duties as Bureau Head for Policy Planning and Co-ordination Bureau, Internal Audit Cell, RTI Cell and Complaint Cell. In addition, Approval Bureau work also executed. Previously worked in Academic Bureau in AICTE, New Delhi w.e.f. from May, 2010 to March, 2011.
- Worked as Convener of the Committee for framing the Norms, Rules and Regulations for Imparting Technical Education through Distance Education Mode at the National Level.
- Worked as Convener of the Committee for Model Curriculum development for Diploma, Degree and Post Graduate at the National Level.
- Total Work Experience is 29 years and six months in Technical Education Department.
- Worked at Chaudhary Devi Lal Memorial Government Engineering College, Panniwala Mota, Sirsa as well as at Govt. Polytechnic for Women, Sirsa as Officiating HOD

(Computer Engineering) / Senior Lecturer (Computer Engineering) from May 2003 to August / September 2003.

- Worked as Principal (Engg.), in Technical Education Deptt., Haryana w.e.f. 29.8.2003 to 24.05.2010. In addition to it, I prepared the proposals (Reports) for getting several projects like EDC, MODROB, Seminar Grants, World bank project for improvement of infrastructure of the Technical Institute.
- Worked as Chief Coordinator for monitoring & executing several Projects sponsored by Ministry of Human Resource Development, Government of India like Community Development Scheme, Community Development through Polytechnics and sponsored by All India Council for Technical Education (AICTE), New Delhi like Entrepreneur Development Programme for different disciplines of engineering students like MODROB etc from 2003 to 2010.

Awards & Honors

- Got Appreciation letter on 14.3.2004 from the Financial Commissioner & Secretary, Technical Education Department Haryana for dedication about duty and for the contribution in the Establishment of Ch. Devi Lal Memorial Govt. Engineering College, Panniwala Mota (Sirsa).
- Got “Rajaram Bapu Patil National Award” on 17.12.2007 by Indian Society for Technical Education (ISTE), N. Delhi for promising work in Technical Education.
- Honored by Dist. Administration Sirsa, Haryana on 26.1.2008 for better contribution in Technical Education.
- Awarded “Outstanding teacher award” on 4th Sept 2013 celebrating “Teacher Day” in Somany (PG) Institute of Technology & Management Rewari- 123401
- Best Case Study Award 2017-18 (NON- TRADITIONAL AREA) for the research paper titled as “SUCCESS FACTORS TO SMART CITIES IN INDIA: AN EMPIRICAL INVESTIGATION” published in Vol. X, Issue No. 4 of Industrial Engineering Journal in April 2017.
- Certificate of Appreciation by Convener of International Web Conference on Impact of COVID-19 on Education System on 30.05.2020.

Achievements

- Contributing and Contributed as member of Various bodies of State Universities like Executive council, Academic council, University Court etc. of Technical Universities of Haryana like J.C. Bose YMCA University of Science & Technology, Faridabad, Guru Jambheshwar University of Science & Technology, Hisar, Deen Bandhu Chhotu Ram University of Science & Technology, Murthal (Sonapat), State University of Performing &

Visual Arts (SUPVA), Rohtak, Shri Vishavkarma Skill University, Palwal, Ch. Ranbir Singh University, Jind, I.I.T. Roorkee, National Institute of Technology, Kurukshetra, NITTTR, Chandigarh, IIM Rohtak time to time from 2012 to till date.

- Worked as member of BOG of NIT Kurukshetra, NITTTR Chandigarh, IIM Rohtak etc. time to time from 2012 to till date.
- Delivered Lecture on “Role of ICT for Transformation of Higher Education in India including many issues” to the faculty of B.R. Ambedkar Aurangabad University Marathwada, Maharashtra attending the UGC refresher course as Resource Person at National Level through Video Conferencing tools
- Invited by AICTE as expert for Expert Visit Committee on 27.3.2017 and other dates.
- Worked as Research Paper Reviewer for International Journal of IEEE Communication Letters in 2007, 2013, 2017,2019,2020,CSI Journal of Computing in 2020
- Nominated as State Nominee in the UGC Team on the request of UGC for granting the autonomous status to technical institution (i.e. PD Memorial College of Engineering, Bahadurgarh, Jhajjar) vide UGC Letter No. F.2-98(1)/2010 (AC) dated 29.09.2015 and DTE Letter No. 1331/Colleges dated 27.11.2015.
- Editorial Board Member of CSI Journal of Computing e-ISSN-2277-7091.
- Ph.D. candidate Supervised One i.e. Mrs. Parul Sharma completed Ph.D. in CSE in 2020 and 10 UG candidates guided.
- Empanelled and worked as Ph.D. Examiner for Computer science & Engineering in Amravati University Maharashtra, B.R. Ambedkar Aurangabad University Marathwada,Maharashtra .
- Evaluated approx. 9 thesis of Ph.D. in CSE and 10 UG Projects .
- Addressed the Experts / Research Scholars and students of Engineering Colleges on 03.05.2014 in the International Conference held at Ganpati Institute of Engineering & Management, Bilaspur, Jagadhari, Yamuna Nagar being a Chief Guest of the function.
- Contributed in the Establishment of CDL Govt. Engg., College, Panniwala Mota, Sirsa & Govt. Engg. College, Nilokheri (Karnal).
- BOG meeting of Ch. Devi Lal Memorial Government Engineering College, Panniwala Mota, Sirsa got conducted successfully on 26.09.2013 being a Director-Principal Cum Member Secretary of BOG.
- Established Govt. Engineering College, Nilokheri in 2016 and got the approval from the All India Council for Technical Education, New Delhi for running the four Courses of Engineering disciplines and after that took the affiliation from the University of Kurukshetra as Director-Principal.

- The draft service rules framed for Govt. Engineering Colleges (Teaching & Non Teaching cadre) of Haryana State Under my Chairmanship.
- Full Efforts have been applied for getting the budget allocation, creation of posts and opening of new head, E-posting of data of posts for the Govt. Engineering College, Nilokheri.
- Efforts have been applied for making admissions of UG courses in Engg. at Govt. Engg. College, Nilokheri and being a new Govt. Engg. College, the admission response was best among other Govt. Engg. Colleges.
- The work related to Govt. Engg. College, Nilokheri like fixation of fees for UG Courses and Fixation of fees for Hostel Students, Fixation of remuneration for Guest Faculty as well as workshop Instructors was being initiated and got finalized from the State Govt. and performed the duties after being acute shortage of staff (Teaching as well as Non-teaching).
- Eleven Memorandum of understanding (MoUs) with reputed industries signed in connection with the placement, training of students and delivering expert lectures by the industry people to the B.Tech students of Govt. Engg. College, Nilokheri under my leadership.
- Served as Member Secretary for the Committee for preparation of Annual Report 2010-11, 11-12 of AICTE, New Delhi at the National Level.
- Nominated as Associate Editor for the International Journal of Networking, Information Science and Technology.
- Worked as Convener of the committee of All India Board of Studies for framing the norms for running Part- Time programmes in Engineering at the level of Diploma, Degree and Post Graduation in technical institutions approved by AICTE, New Delhi.
- Sponsored by Govt. of Haryana to present a research paper titled as, "Bandwidth Sensitive Multi-Path Routing Algorithm", in the 8th IASTED International Conf. on Wireless and Optical Communications held **at Quebec City, Canada, in May 2008.**
- Chaired the session of Computer Science & Engineering research papers being the expert during the National Conference titled as 1st Futuristic Trends in Engineering & Technology (FTET-08) on 28.1.2008 at JCD Memorial College of Engineering, Sirsa.
- Worked in Chaudhary Devi Lal Memorial Government Engineering College, Panniwala Mota for establishment of Lab, Internet facility, Procurement, Finalization of tender documents etc. from May 2003 to August 2003 and again from 15.11.2021 to till date.
- The Institute has applied three projects in the Scheme Technology customization, Sensostar System & Solar Water Harvesting System and approved by IIT Delhi under Unnat Bharat

Abhiyan. An amount of Rs. 50,000/- for each project and Rs. 50,000/- has also been sanctioned for development in adopted villages under Unnat Bharat Abhiyan and the total amount Rs. 1,50,000/- has been received in Institute Bank Account from IIT, Delhi.

- The Institute has organized its 1st Faculty Development Programme in offline mode on the Topic “Harnessing Innovation through IPR and Entrepreneurship” in coordination with NITTTTR, Chandigarh from 21.03.2022 to 25.03.2022.
- For improvement in Technical Education and to provide the quality education to the students and better training of the faculty and staff, the process for NAAC Accreditation has been started.
- In order to make aware the Principals / DDs of Government Senior Secondary Schools in the State about Technical Education and to enhance the admissions in SIETs, various online Admission Awareness Programmes have been conducted in 07 Districts namely Sirsa, Hisar, Fatehabad, Jind, Kaithal, Kurukshetra, Ambala and Karnal.
- As internet plays the key role for the development of the students and character building as well as to provide effective study material, an internet lease line of 40 mbps has been extended to the Girls Hostel of the Institute to provide the internet facility during off periods. However, the process for extend the internet facility to the inmates of Boys Hostel, is in process.
- My Name was approved for Foreign Fellowship Training Program on Multi-Media Package, Computer Graphic & Video Graphic during 1998-99 by Govt. of Haryana for **Australia under World Bank Project.**
- Got and successfully executed AICTE sponsored projects like EDC, MODROB for E&C Engg. Lab, MHRD sponsored projects like CDC, CDTP, and Community Polytechnic Scheme (CPS), Creation of Employment Generation Oriented Programmes (CEGO), SC Scheme sponsored by Govt. of Haryana, centrally funded scheme for infrastructure development sponsored by MHRD, Govt. of India.
- Served as Member State Board of Technical Education, Haryana, Computer Engg. Subject Expert in HPSC for the post of Lecturer, Haryana and member of several other committees at state level Haryana like member of UMC committee, Convener of Rationalization Committee of Haryana Technical Education Department, Vice President sports committee, Technical Education Dept., Haryana.
- Invited by NITTTTR, Chandigarh as an expert for deciding & finalizing the qualifications for the faculty in the Computer Engineering discipline for diploma programmes in Haryana State.

- Conducted several short term courses like Computer Awareness Course for Industry people, AutoCAD course for Civil and Architecture Engineers and diploma holders etc. for generating internal revenue for the Institute. In addition to it conducted the Entrepreneur awareness program for faculty and students of different Technical Institutes of Haryana state.
- Participated in Hindi Workshop on 18.11.2010 conducted by AICTE, New. Delhi.
- Got appreciation letter for promoting Hindi in official work of AICTE by M.S. AICTE, New Delhi.
- Attended several short term courses like Examination reforms, Accreditation & ISO 9001,2000, Performance appraisal, Management Development training programme, Excellence in Technical Education Through innovation sponsored by ISTE, New Delhi, Efficient handling of personnel related legal cases, Regional Summit on Quality in Education etc.
- Worked as Expert Jury Member of Hindi Speech Competition organized by AICTE in September 2011.
- Contribution towards implementing the Official Language Policy of Govt. of India in AICTE and progressive use of Hindi in the working of AICTE.
- Project of constructing SC Hostel in Ch. Devi Lal Memorial Government Engineering College, Panniwala Mota, Sirsa with the help of AICTE grant of Rs. 2.0 Crores initiated.
- Contributed in the preparation of ACT of State University of Performing & Visual Arts (SUPVA), Rohtak.
- Member of Selection Committee for the post of Registrar in State Technical Universities.

Publications

International Journals	Seven
International Conferences	Three
National Journal	Six
Asian/National Conference	Four
National Seminar	One
Book on DBMS	One

Journals

- Luthra Sunil, D. Grag, S. K. Mangla and Yash Paul Singh (2017). Analyzing challenges to Internet of Things (IoT) adoption and diffusion: An Indian context. Procedia Computer Science, Vol. 125, pp. 733-739 (**Scopus Indexed**).
- Sachin K. Mangla, Sunil Luthra, Suresh Jakhar, Yash Paul Singh Berwal, "SUCCESS FACTORS TO SMART CITIES IN INDIA: AN EMPIRICAL INVESTIGATION",

Published in the Industrial Engineering Journal, Vol. X, Issue No. 4, pp.6-12, April 2017(ISSN 0970-2555).

- Yash Paul Singh, M.K. Soni and A. Swarup, “Simulation study of Multi-Path Routing Algorithm in different situations”, IJCSNS International Journal of computer science and network security, Vol.7, No.11, pp. 295-297,2007 (ISSN1738-7906).(SCI Indexed)
- Yash Paul Singh, M.K. Soni and A. Swarup, “Throughput Analysis of SSP, SWP and MLS Routing Algorithms in Core Networks”, IJCSNS International Journal of computer science and network security, Vol.8, No.8, pp.340-342, 2008. (ISSN 1738-7906) (SCI Indexed)
- Yash Paul Singh, and M.K. Soni, “Comparison of Distance Vector and Link State Routing Algorithms”, Journal of Multidisciplinary Engineering and Technology, Vol.1, No.2, Jan-July06, Bharti Vidhya Peeth College of Engg., New Delhi.(Indexed by J-Gate, Google Scholar) Available at www.bvcoend.ac.in
- Yashpaul Singh, and A. Swarup,” Analysis of Equal cost Adaptive Routing Algorithms using Connection-Oriented and Connectionless Protocols,” International Journal of Electrical, Computer, Energetic and Communication Engineering, Vol.3 No.3 2009, (available at scholar.waset.org/1999.5/3473).
- Yash Paul Singh, M.K. Soni and A. Swarup,” Performance comparison of single path and multi-path adaptive routing algorithms in core networks”, Published in the Journal of the Institution of Engineers, IE (I) - CP, Vol. 91, May 2010. (Scopus Indexed)
- Yash Paul Singh, M.K. Soni and A. Swarup,” Comparison of various features of dynamic routing algorithms”, Published in the MR International Journal of Engineering and Technology, Vol.2, No.2, December 2010. (ISSN 0975-4997).
- T.R. Mudgal, Susheel Kumar, Latika Chaudhary, Y.P.S. Berwal “Autonomic Computing Revolutionizing the way of managing complex system”, International Journal of Advanced Research in Computer Science and Software Engineering, Vol.4, Issue 1, Jan 2014.
- Parul Sharma, Yash Paul Singh Berwal, Wiqas Ghai, “Enhancement of plant Disease Detection Framework (PDDF) using GPU computing and cloud computing”, Published in the International Journal of Engineering and Advanced Technology (IJEAT), Volume-9, Issue-1, October, 2019. It will be available at <http://www.ijeat.org/download/volume-9-issue-1>, ISSN: 2249-8958 (Scopus Indexed)
- Parul Sharma, Yash Paul Singh Berwal, Wiqas Ghai,” Krishimitr: A cloud computing platform for disease detection in Agriculture”, Published in the International Journal of Innovative Technology and Exploring Engineering,” Volume-8, Issue-12, October,2019. It is available at <http://www.ijitee.org/download/volume-8-issue-12>. ISSN: 2278-3075 (Scopus Indexed).

- Parul Sharma, Yash Paul Singh Berwal, Wiqas Ghai,” Performance analysis of deep learning CNN Models for disease detection in plants using image segmentation”, Published in the Journal of Information Processing in Agriculture, Vol.7, Issue 4, December 2020, Pages 566-574, available at www.sciencedirect.com/Journal homepage www.elsevier.com/locate/inpa.
- Sunil Luthra, Yash Paul Singh Berwal, Kamaljeet Motia,”Key Success Factors to Adopt Internet of Things Systems in Indian Context”, Accepted for Publication in the Journal of The Institution of Engineers (India): Series B, Manuscript ID: IEIB-D-19-00013R1,2021.(Scopus Indexed).

Conferences

- Parul Sharma, Yash Paul Singh Berwal, Wiqas Ghai,” KrishiMitr (Farmer's Friend): Using Machine Learning to Identify Diseases in Plants”, Proceedings of the 2018 International Conference on Internet of Things and Intelligence System (IoTaIS 2018). This conference was organized by the IEEE Indonesia Signal Processing Society Chapter, Technically Co-Sponsored by IEEE Com Soc Indonesia Chapter, and Supported by IPv6 Forum and the IEEE IoT TsC.
- Yash Paul Singh, M.K. Soni, “Hybrid Routing Algorithms”, Proc. of Asian Conference on Intelligent Systems & Networks (AISN-06) Conf. held at Haryana Engg. College, Jagadhari, PP. 111-114, Feb.,2006.
- Yash Paul Singh, M.K. Soni, “Overview of Connection-oriented and Connectionless Protocols”, Proc. National Seminar at CITM Engg. College, Faridabad, Sept. 2007.
- Yash Paul Singh, M.K. Soni and A. Swarup,” Bandwidth Sensitive Multi-Path Routing Algorithm”, Proc. of 8th IASTED International Conf. on Wireless and Optical Communications (WOC 2008) held at Quebec City, Canada, PP 184-187, May 2008. (ISBN 978-0-88986-743-7)
- Yash Paul Singh, M.K. Soni and A. Swarup,” Review of Different Dynamic Routing Algorithms/ Protocols”, Proc. of First National Conference on Futuristic trends in Engineering & Technology (FTET-08) held at JCD Engineering College, Sirsa, Haryana, PP. 35-37, 28th & 29th Jan. 2008.
- Paper titled as “Development of the Rural Economy “Published in the Proceedings of National Conference on Managing Growth of Indian Economy at JCD Engg. College, Sirsa on 05.03.2008.
- Paper titled as “Total Quality Management (TQM) in Engineering Institution”, was published in the Proceeding of National Conference on Managing Growth of Indian Economy at JCD Engg. College, Sirsa on 05.03.2008.

- Yash Paul Singh, and A. Swarup, “Analysis of Equal-cost Adaptive Routing Algorithms using Connection-Oriented and Connectionless Protocols”, Proc. of PWASET International conference held at Hong Kong, Volume 39, PP 310-315, March 2009. (ISSN 2070-3740)

Projects:

Sr. No.	Project Got & Executed	Sponsored by	Grant Amount	Grant received on dated
1	CDC	MHRD	5.52 Lakhs 7.00 Lakhs	15.04.2004 07.03.2007
2	CDTP	MHRD	10.25 Lakhs	15.09.2009
3	EDC	AICTE	5.00 Lakhs 3.00 Lakhs	06.02.2007 20.07.2007
4	MODROB	AICTE	9.50 Lakhs	07.04.2010
5	CEGO (Creation of Employment Generation Opportunity for Schedule Caste)	Govt. of Haryana	25 Lakhs	09.03.2010
6	UEP (Up-gradation of Existing Polytechnics)	MHRD	10 Lakhs	18.03.2010

Reports:

- Project reports prepared for EDC;
- MODROB;
- Seminar Grants;
- Community Development Scheme through Polytechnics;
- Result Framework Document of Technical Education Department Haryana (RFD);
- Annual Report of AICTE for the year 2010-11 and 2011-12;

Dr. Yash Paul Singh

The Institute has applied three projects in the Scheme Technology customization, Sensostar System and Solar Water Harvesting System and approved by IIT Delhi under Unnat Bharat Abhiyan. An amount of Rs. 50,000/- per project has been sanctioned and the amount will be issued by IIT, Delhi.

The Institute has organized its 1st Faculty Development Programme in offline mode on the Topic “Harnessing Innovation through IPR and Entrepreneurship” in coordination with NITTTR, Chandigarh from 21.03.2022 to 25.03.2022.

One day Intellectual awareness programme was organized on 24.01.2022 in the Institute for the students in order to aware them about IPR activities, project trademarks design etc. This programme was organized by coordination with Directorate Office.

The Institute has organized the two days Annual Sports Meet - 2022 on 18.04.2022 & 19.04.2022 with a motive to encourage the students regarding sports activities. During the opening ceremony, Worthy Deputy Commissioner, Sirsa was the Chief Guest and during Prize Distribution Ceremony, Dr. Ajay Singh Chautala, Former Member of Parliament.

There is main focus of Training & Placement of the students and in this matter several innovative sessions, quiz, debate and counseling sessions were organized by Training & Placement Cell of the Institute.

For improvement in Technical Education and to provide the quality education to the students and better training of the faculty and staff, the process for NAAC Accreditation has been started.

In order to make aware the Principals / DDs of Government Senior Secondary Schools in the State about Technical Education and to enhance the admissions in SIETs, various online Admission Awareness Programmes have been conducted in 07 Districts namely Sirsa, Hisar, Fatehabad, Jind, Kaithal, Kurukshetra, Ambala and Karnal.

As internet plays the key role for the development of the students and character building as well as to provide effective study material, an internet lease line of 40 mbps has been extended to the Girls Hostel of the Institute to provide the internet facility during off periods. However, the process for extend the internet facility to the inmates of Boys Hostel, is in process.