

Dr. M. NANDAKUMAR, Ph.D.,

**B.E. (P.Tech.), M.E.(ISE), M.Sc.(Psy), Ph.D, MCMI(UK)
PRINCIPAL**

**Arasan Ganesan Polytechnic College, Sivakasi – 626 130
Ph. 9486667293 E-mail. nanda_kumar_agp@yahoo.com**



Education

Ph.D. (Printing), Mepco Schlenk Engg. College, Sivakasi Anna University, Chennai, 2017

Certificate (Level 5 Management and Leadership), Chartered Management Institute, London, UK, 2016

M.E. (Industrial Safety), Mepco Schlenk Engg. College, Sivakasi, Anna University, Chennai, 2010

B.E. (Printing), College of Engineering and Technology, Poona University, Pune, 1993

Diploma (Printing), Institute of Printing Technology, Chennai, 1989

SSLC, Muthialpet Higher Secondary School, Chennai, Board of School Education, Chennai, 1986

Experience

Principal, Arasan Ganesan Polytechnic College, Sivakasi – 2012 to Till date (13 years)

Vice Principal, Arasan Ganesan Polytechnic College, Sivakasi – 2008 to 2012 (4 ½ years)

HOD / Printing, Arasan Ganesan Polytechnic College, Sivakasi – 2007 to Till date (12 years)

Senior Lecturer (Printing), Arasan Ganesan Poly. College, Sivakasi – 1998 to 2007 (9 years)

Lecturer (Printing), BMS College of Engineering, Bangalore – 1995 to 1998 (3 years)

Asst. Prod. Manager, Macmillan India Limited, Bangalore – 1993 to 1995 (3 years)

Awards

ISTE “Rajarambapu Patil National Award for Promising Engineering Teacher” by Indian Society for Technical Education, New Delhi – 2021

India’s Best Social Worker Award - ABJ 2020 VIP by ABJ Group of Companies, Virudhunagar, Tamil Nadu - 2020

AICTE – Visvesaraya National Best Teacher Award (for recognition of excellence and innovativeness in Teaching in Technical Education) by **All India Council for Technical Education, New Delhi** - 2020

Outstanding Academician Award (Saveetha Excellence Award) by Saveetha Engineering College, Chennai – 2019

ISTE “U.P. Government National Award for outstanding work done in a specified area of Engineering and Technology (Polytechnic)” by Indian Society for Technical Education (ISTE), New Delhi – 2019

ISTE “Arutchelvar Dr. N. Mahalingam Best Polytechnic Teacher Award” by Indian Society for Technical Education, New Delhi – 2013

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Journal Publications

1. Nandakumar. M & Bose. N 2017, '**Reducing VOC Emission in Offset Printing**', Journal of Press Institute of India - Research Institute for Newspaper Development (RIND)
2. Nandakumar. M & Bose. N 2016, '**Mathematical Regression Model - Print Analysis on Matte Coated Paper**', Journal of Press Institute of India - Research Institute for Newspaper Development (RIND)
3. Nandakumar. M & Bose. N 2016, '**Eco-friendly POME Offset Printing Ink Printability Analysis on Gloss Coated Paper**', Journal of Press Institute of India - Research Institute for Newspaper Development (RIND)
4. Nandakumar. M & Bose. N 2016, '**Offset Print Analysis with Mathematical Regression Model**', ACTA Graphica
5. Nandakumar. M & Bose. N 2015, '**Determination of the Deviations and Variations of Print Quality from the OK Print in Offset and Digital Process for Eco-friendly Printing**', Journal of Applied Sciences Research

Conference Publications

1. Nandakumar. M 2016, '**Print Analysis on Gloss Coated Paper by Using Offset Printing Process**', Fascinating Advancement in Mechanical Engineering (FAME) at MepcoSchlenk Engineering College, Sivakasi.
2. Nandakumar. M & Bose. N 2014, '**Eco-friendly Offset Printing Ink Using Palm Oil Ester and Its Printability Analysis**', 6th International conference on Intelligent Science and Technology, Sun College of Engineering Technology, Kanyakumari
3. Nandakumar. M & Bose. N 2013, '**Green Printing – Environmental Management in Offset Printing**', International conference on Advancement in Print Media, Manipal University, Manipal
4. Nandakumar. M & Bose. N 2013, '**Methods of Reducing VOC Emission in Offset Printing**', National conference on Emerging Trends in Material Manufacturing and Design, Mepco Schlenk Engineering College, Sivakasi
5. Nandakumar. M 2013, '**Methods of Reducing VOC Emission in Offset Printing**', Emerging Trends in Materials, Manufacturing and Design (ETMMD'13), Mepco Schlenk Engineering College, Sivakasi.
6. Nandakumar. M 2010, '**Design and Implementation of Active Learning System for Print Media Industry in Safety Education**', National Conference on Advanced Technologies in Electrical Engineering (NCEE'10), Kamaraj College of Engineering & Technology, Virudhunagar.
7. Nandakumar. M 2009, '**Safety in Printing Industry**', National Conference of Printing Engineers, Anna University, Chennai.

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Ph.D. Guidance

‘Exploring Various Possibilities for Enhancing the Color Gamut of Non-ISO Substrates Using Digital Print Platform’, Guru Jambheshwar University of Science and Technology, Haryana, 2018 (ongoing)

Additional responsibilities held at AGP College

- Secretary, Governing Council
- Patron, College Bulletin
- Patron, College Magazine
- Warden, Saraswathi Ganesan Students Hostel
- Chairman, ISTE Staff Chapter
- Project Coordinator, Canada India Institutional Co-operation Project (CIICP)
- Project Coordinator, Persons With Disability (PWD) Project
- Project Coordinator, Community Development Through Polytechnic (CDTP)
- Project Champion, Persons With Disability Project (2008-2012)
- Public Information Officer (2006-2012)
- Project Champion, Canada India Institutional Cooperation Project (2002-2004)
- Continuing Education Manager, Canada India Institutional Cooperation Project (2001-2002)
- Secretary, Policy and Planning Committee (1999-2000)
- Staff Development Manager, Canada India Institutional Cooperation Project (1999-2001)

Professional Membership

Indian Society for Technical Education (ISTE) – Life Member

Books written

- Handbook of Offset Printing
- Advanced Printing Technologies
- Printing Processes
- Offset Printing Technology
- Designing Software
- Design and Planning for Print Production
- Digital Printing
- Desktop Publishing

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Sponsored Projects

Establishment of **Modernization of Packaging Technology Laboratory with Quality Control Equipments**, MODROBS by AICTE, New Delhi, Rs. 7,00,000, 2011

Member / Chairman in Boards and Committee

- External **Expert Member of the Technical Committee**, Department of Printing, Avinashilingam University, Coimbatore
- **State Level Syllabus committee Convener** for framing 3-year **Diploma Program in Printing technology, Paper Technology and Packaging Technology** by Directorate of Technical Education (DOTE), Chennai, Tamil Nadu
- Coordinator, **National level Common Syllabus committee for Printing Technology**, All India Federation of Master Printers, New Delhi
- **State Facilitator**, State Project Coordination Unit, Canada India Institutional Cooperation Project (CIICP), Directorate of Technical Education (DOTE), Chennai
- **School Management Committee Member**, Mount Litera Zee School, Sivakasi

Key Role in bringing laurels to the Institute

- AGPC - Received the **Institution of Engineers (India) Award as the National Level Best Polytechnic Students' Chapter** for the year 2016-17, 2017-18. 2018-19, 2019-20, 2020-21 and 2021-22.
- **State Level Best NSS Volunteer Award** to M. Santhanam and K. Krishiga for the year **2015-16**, R. Gopinath for the year **2016-17**, R. Hemachandran for the year **2017-18**, R. Selvakumar for the year **2018-19** and R. Saravanaperumal for the year **2019-20** by the **Directorate of Technical Education, Chennai**
- AGPC – Received **Outstanding JCI Chapter Award** for 2017, 2018 and 2019.
- Subash, III Yr. Mech. has received the **ISTE Best Student**, 2017
- AGPC Received **IAB Blind Empowerment Champions 2017 Silver Zone Award** from Indian Association for the Blind
- AGPC - Received **Best Rotract Club Award** in 2017
- AGPC - Received **Sustainable Institute Industry Partnership (SIIP) Award** 2015 and 2017 at IIT, Chennai
- AGPC - Received (Brazil, Russia, India, China and South Africa Submit) **BRICS Award** 2016 at Chennai
- AGPC - Received Best NSS – **National Youth Leadership Program (NYLP) Award** 2015-16 at Chennai
- AGPC Received **Redefining Abilities Re-scripting Lives Certificate of Appreciation Award** in 2016 from Indian Association for the Blind
- AGPC - Received **E yantra Robotics Lab - Second Place** with Cash prize of Rs. 50,000 in **National Level Robotics Competition for Teachers** held at IIT Bombay, 2015

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- AGPC - Received **ISO 9001-2008 Quality Management System (QMS)**, 2015
- AGPC – Received the **Best Polytechnic College Award with cash prize of Rs. 40,000** towards the implementation of National Youth Leaders Programme (NYLP) for the year 2015-2016 by **NSS Regional Centre, Chennai**
- AGPC - Received E –Yantra Robotics Lab - **Second Place** with Cash prize of Rs. 16,000 in **Regional Level Robotics Competition for Teachers** held at Sona College of Engineering, Salem, 2015
- Selvi.K.Krishiga, III year Civil Engineering and Selvan. M.Santhanam, III year P.Tech have received **Best NSS Volunteer award** 2013-2014 by the Directorate of Technical Education, Chennai
- AGPC - Received **Best NSS unit Award** for the year 2013-14
- Mr. K. Sundararajan, Ex-Programme Officer has received the **Best NSS Programme Officer** award for the year 2012-2013 from the state NSS cell , Chennai from the State NSS Cell, Chennai
- Mr. R. Rajasekaran, Lecturer (SG) / Civil Engineering has received the **Best NSS Programme Officer** award from the Commissioner of Technical Education, DOTE, Chennai, 2013
- N. Maheswaran, III year MOP and P. Arumugam, III year Civil Engg. have received **Best NSS Volunteer** award for the year 2012-2013 by the Directorate of Technical Education, Chennai, 2013
- AGPC – **JCI Received Permanent Affiliation from Junior Chamber International – India**
- AGPC – **JCI Received Certificate of Excellence from Junior Chamber International – India**

Innovation in Teaching and Learning

- A new club **“Teaching Through Technology (T3)”** is functioning in the institution for the staff members to use innovative teaching methods for better teaching learning process.
- **“T³ Tech News”**, the newsletter carrying the activities of the faculty members related with Teaching Through Technology and Innovation in Teaching are being regularly published.
- All the faculty members have received the **Microsoft Innovative Educator (MIE) Certificate** from Microsoft, USA
- Creation and Maintenance of a full pledged **Website for Printing Technology**(<http://agpcptech.weebly.com>)
- Creating and maintaining a **BlogSopt for the T3 Forum**(<http://agpcshivakasi.blogspot.in>)
- **Online Quiz for the students** - Department wise Monthly Quiz Competition for the students through College Website (<http://arasanganesanpoly.org/exam/index.php>)
- **Online Technical Test** for Students
- Classrooms equipped with **Smart Boards**.
- Full pledged software for **Academic Administration System**.
- Premium license for using **Canva AI software** to all the faculty members and students.

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Industry Institute Partnership (IIP)

■ **Signed Memorandum of Understanding (MoU) with 23 Industries**

1. Jeyam CNC CAD/CAM Technologies, Chennai
2. CADD Centre Training Services, Sivakasi
3. Waxwing Automation Systems, Sivakasi
4. Association of Master Printers, Sivakasi
5. VSG Vel Constructions (P) Ltd, Madurai
6. Prince Builders and Promoters, Kodaikanal
7. Arasan Aluminium Industries, Melamathur
8. Sri Balaji Fine Arts, Sivakasi
9. Emerald Print-Tech, Chennai
10. Pamban Packaging, Chennai
11. Government School, Naranapuram, Sivakasi
12. BELL Printers, Sivakasi
13. 2 DCON, Sivakasi
14. Kavi Graphics, Sivakasi
15. Pabanas Computers, Sivakasi
16. Sun Focus Inspection & Testing Services Pvt. Ltd, Singapore
17. Weuphoria Technologies, Sivakasi
18. RJ Automation, Virudhunagar
19. RK Motors, Sivakasi
20. RICOH India Pvt.Ltd., New Delhi
21. Elite Electro-medical Equipments (P) Ltd., Madurai
22. Kalasalingam Univeristy, Krishnankoil
23. The Standard Fireworks, Sivakasi

■ **Laboratories established in collaboration with industries**

1. Sun focus Pte Ltd, Singapore has recognized our Mechanical Department and sanctioned 4 Lakhs worth of equipment and established Non Destructive Test Training Centre in 2016.
2. RICOH has recognized our printing Technology Department as the only department in the state of Tamilnadu and sanctioned 40 Lakhs worth of Digital equipment (Installation of RICOH Digital color & B/W machine) in 2015.

■ **Consultancy services to Industries**

1. Civil Engineering department undertakes various Civil Engineering Consultancy services in the field of Surveying, Material Testing and concrete Mix Design etc.(Average 5 to 10 jobs per month)
2. Technical consultancy services to Arasan Aluminum Industries, Sivakasi have been rendered by ECE, EEE, Mechanical, Computer and Civil department staff members regularly (Average 3 to 5 Visits per month)

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3. Department of printing technology undertakes consultancy on quality control and packaging testing
4. Department of ECE has offered consultancy services to M/S Elite Electro medical Equipment (p) ltd Madurai into the development of android based Embedded Medical services.
5. Department of Printing Technology is offering consultancy services to Senthil Plastic Containers, Virudhunagar for implementing and maintaining global quality standards

Abroad Placements to Students

- **No. of Abroad placements (308 placements)**
 - ❖ 39 Placements in 2023-24, 54 Placements in 2024-25
 - ❖ 52 Placements in 2021-22, 08 Placements in 2022-23
 - ❖ 52 Placements in 2019-20, 08 Placements in 2020-21
 - ❖ 06 Placements in 2017-18, 41 Placements in 2018-19
 - ❖ 11 Placements in 2015-16, 09 Placements in 2016-17
 - ❖ 12 Placements in 2023-14, 16 Placements in 2014-15
- **Efforts taken**
 1. Industrial visits
 2. Career Guidance Programs
 3. Training for Online Tests
 4. Mahendra Pride School – 6 days Soft Skill Training
 5. Mock Interviews
 6. Workshop on Communication Skills
 7. Interacting with Alumni in abroad through Skype Online
 8. Motivation lectures by experts
 9. Special Passport campaigns
 10. Counseling to Students and Parents
 11. Entrepreneurship training programs
 12. In-plant training in Industrial exposures
 13. Cross Major Courses

